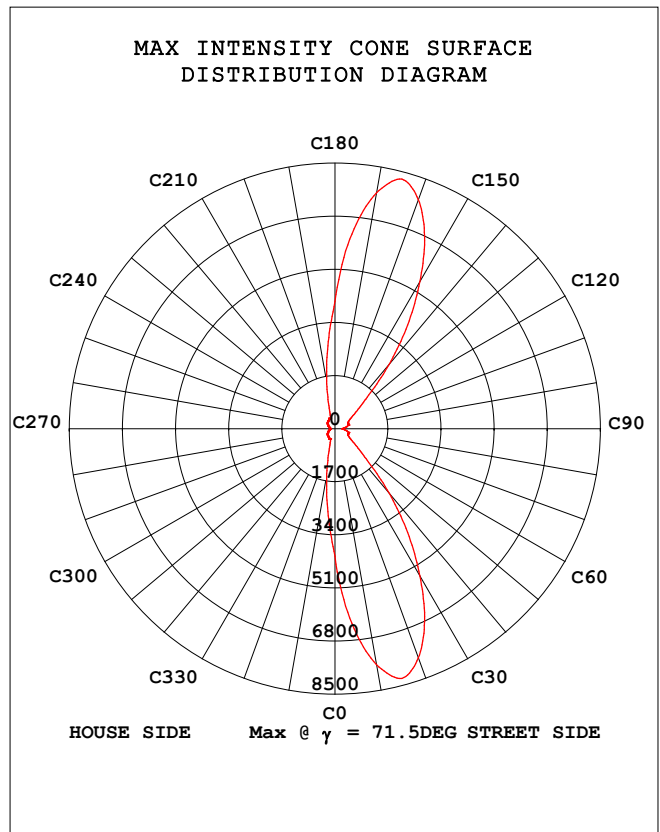
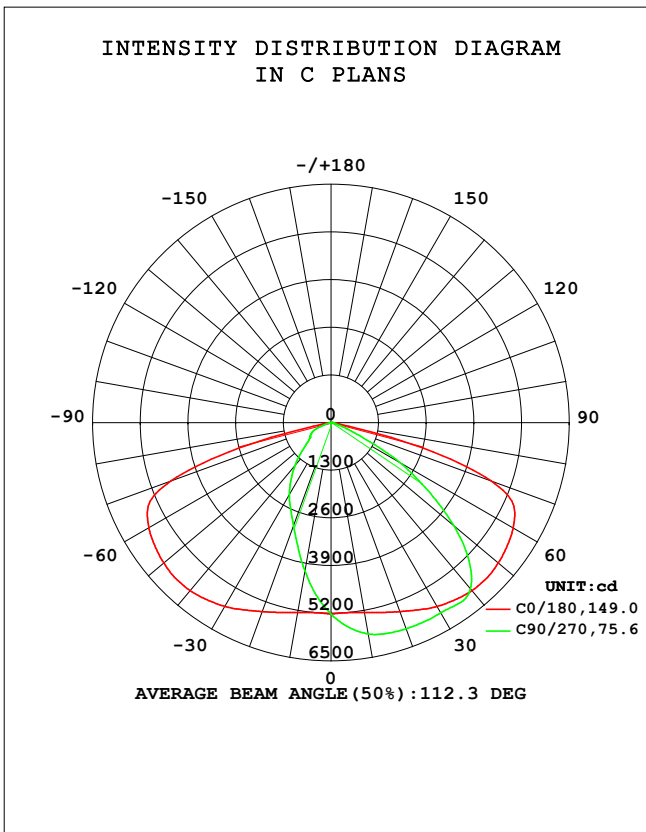


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.3V I:0.5580A P:124.8W PF:0.9713 Lamp Flux:17529.5x1 lm		
NAME: ST10-120KT	TYPE:120W	WEIGHT:
SPEC.:4070-T3M-R17601	DIM.:	SERIAL No.:
MFR.:	SUR.:0.26*0.275	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.48 lm/W			
MODEL	NI303	Imax (cd)	8271	η street_up (%)	0.0
NOMINAL POWER (W)	120	LOR (%)	100.0	η street_down (%)	68.9
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	17530	η house_up (%)	0.0
NOMINAL FLUX (lm)	17529.5	MAXIMUM @ (C, γ)	15,71.5	η house_down (%)	31.1
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	230	η down (%)	100.0	SLI	



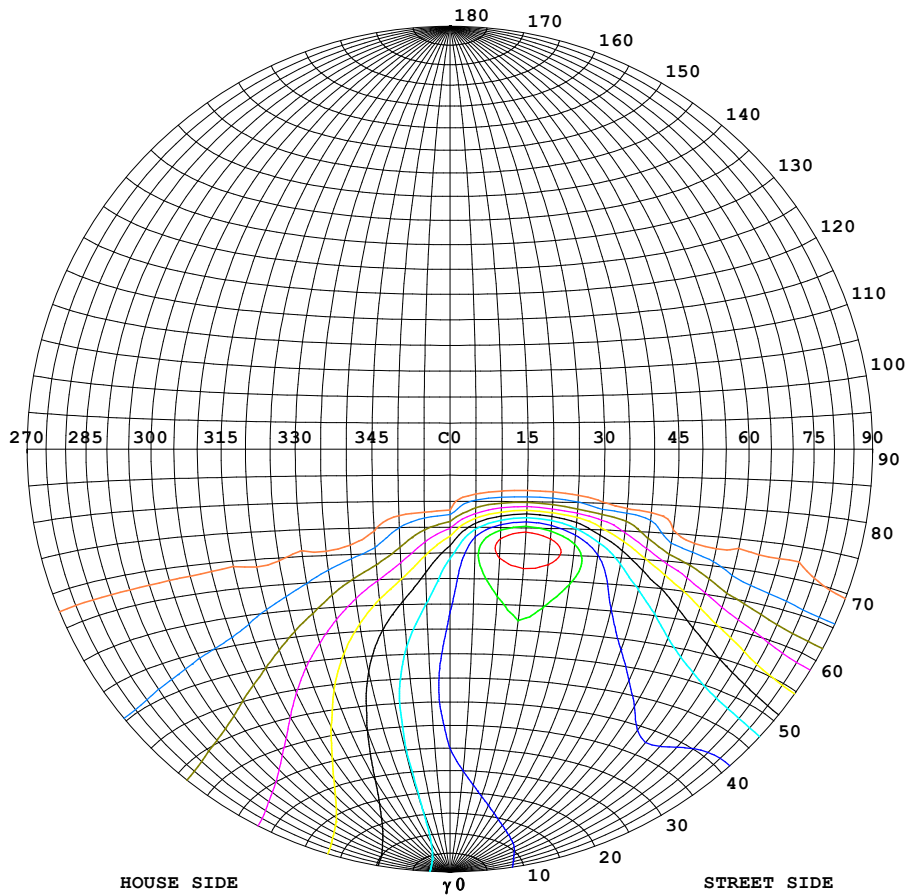
C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019-03-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 9.470m [K=1.0000]
 Remarks:

Checker: LI
 Note: SLI: Specific Luminaire Index

Assessor:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

IES:Type III - Medium
 CIE:Average - Long
 IES:Full cut-off
 CIE:Semi-cut-off
 Max.At80:87.01cd/klm
 Max.At90:0cd/klm
 Max.80-90:87.01cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	8271
90%	7444
80%	6617
70%	5790
60%	4963
50%	4135
40%	3308
30%	2481
20%	1654
10%	827
5%	414

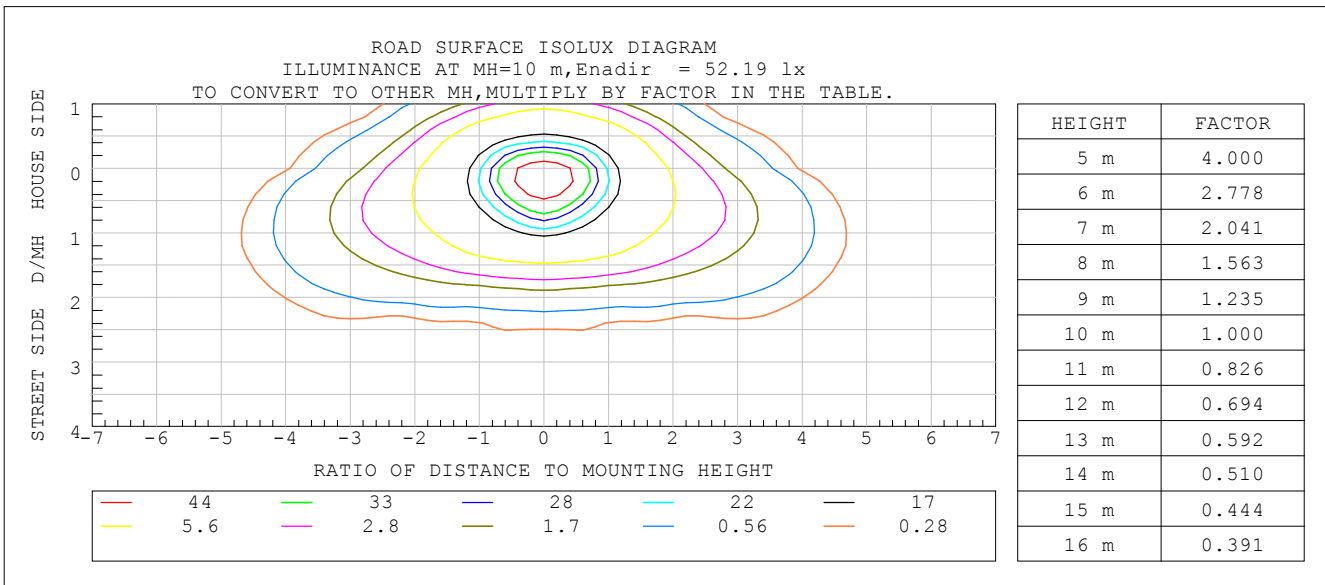
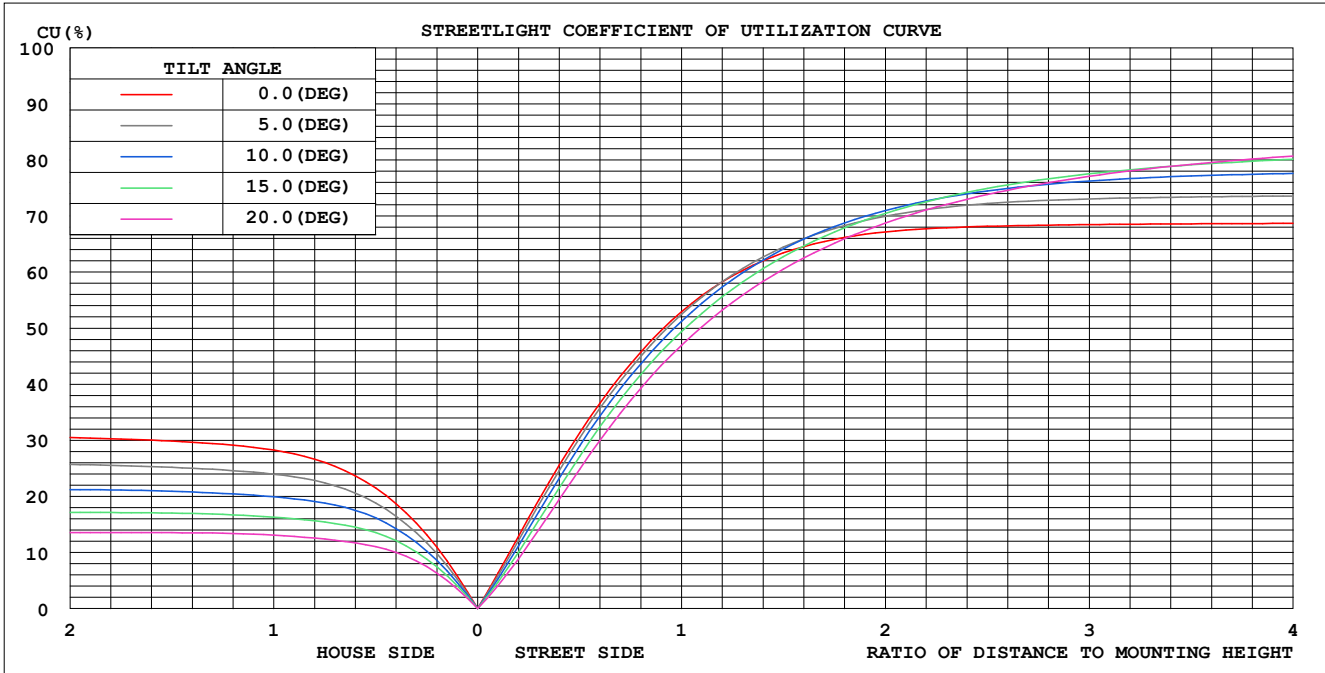
C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-11

gamma Range: 0 - 90DEG
 gamma Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-03-11

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.470m [K=1.0000]
Remarks:

Checker: LI

Assessor:

ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	5203	5479	5602	5479	5203	4848	4720	4848	0- 5	124.1	124.1	0.71,0.71
10	5261	5704	5850	5704	5261	4456	4111	4456	5- 10	367.1	491.1	2.8,2.8
15	5361	5886	5949	5886	5361	4068	3504	4068	10- 15	599.2	1090	6.22,6.22
20	5484	5984	5984	5984	5484	3709	2999	3709	15- 20	816.6	1907	10.9,10.9
25	5633	6024	5995	6024	5633	3390	2611	3390	20- 25	1021	2928	16.7,16.7
30	5788	6018	5990	6018	5788	3092	2284	3092	25- 30	1214	4142	23.6,23.6
35	5897	5979	6037	5979	5897	2792	1914	2792	30- 35	1386	5528	31.5,31.5
40	5982	5939	5914	5939	5982	2484	1540	2484	35- 40	1532	7060	40.3,40.3
45	6001	5861	5324	5861	6001	2104	1154	2104	40- 45	1636	8696	49.6,49.6
50	5955	5704	4374	5704	5955	1646	844.9	1646	45- 50	1676	10372	59.2,59.2
55	5865	5441	3221	5441	5865	1104	698.9	1104	50- 55	1645	12017	68.6,68.6
60	5736	5008	2165	5008	5736	727.1	632.9	727.1	55- 60	1554	13571	77.4,77.4
65	5511	4126	905.9	4126	5511	531.0	531.7	531.0	60- 65	1396	14967	85.4,85.4
70	4634	2235	349.6	2235	4634	384.7	242.4	384.7	65- 70	1185	16152	92.1,92.1
75	2296	473.5	72.75	473.5	2296	224.1	22.64	224.1	70- 75	899.5	17051	97.3,97.3
80	227.5	206.4	56.84	206.4	227.5	83.40	2.938	83.40	75- 80	404.6	17456	99.6,99.6
85	43.93	57.67	50.14	57.67	43.93	15.30	3.722	15.30	80- 85	63.57	17520	99.9,99.9
90	0	0	0	0	0	0	0	0	85- 90	9.945	17529	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

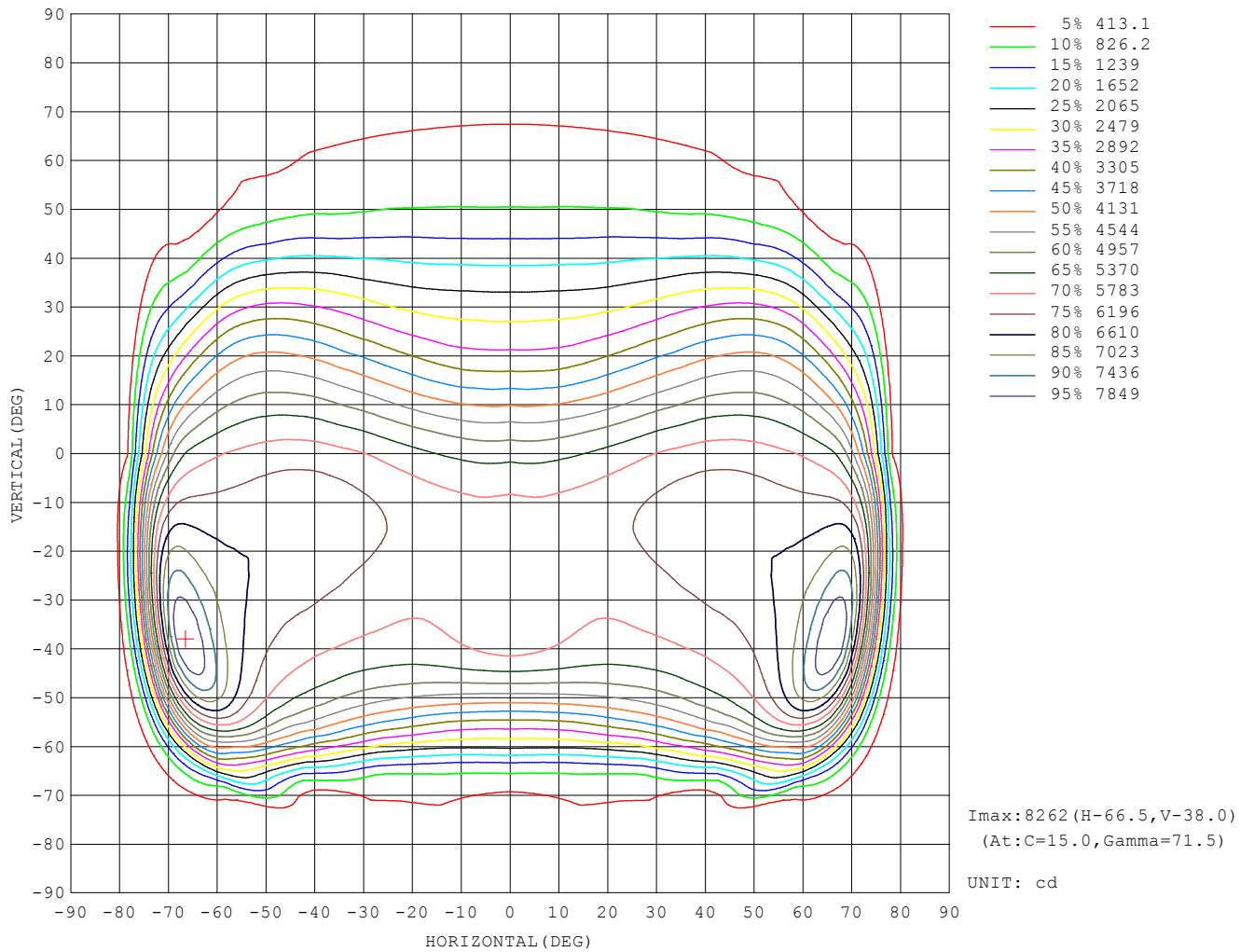
C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

ISOCANDELA DIAGRAM



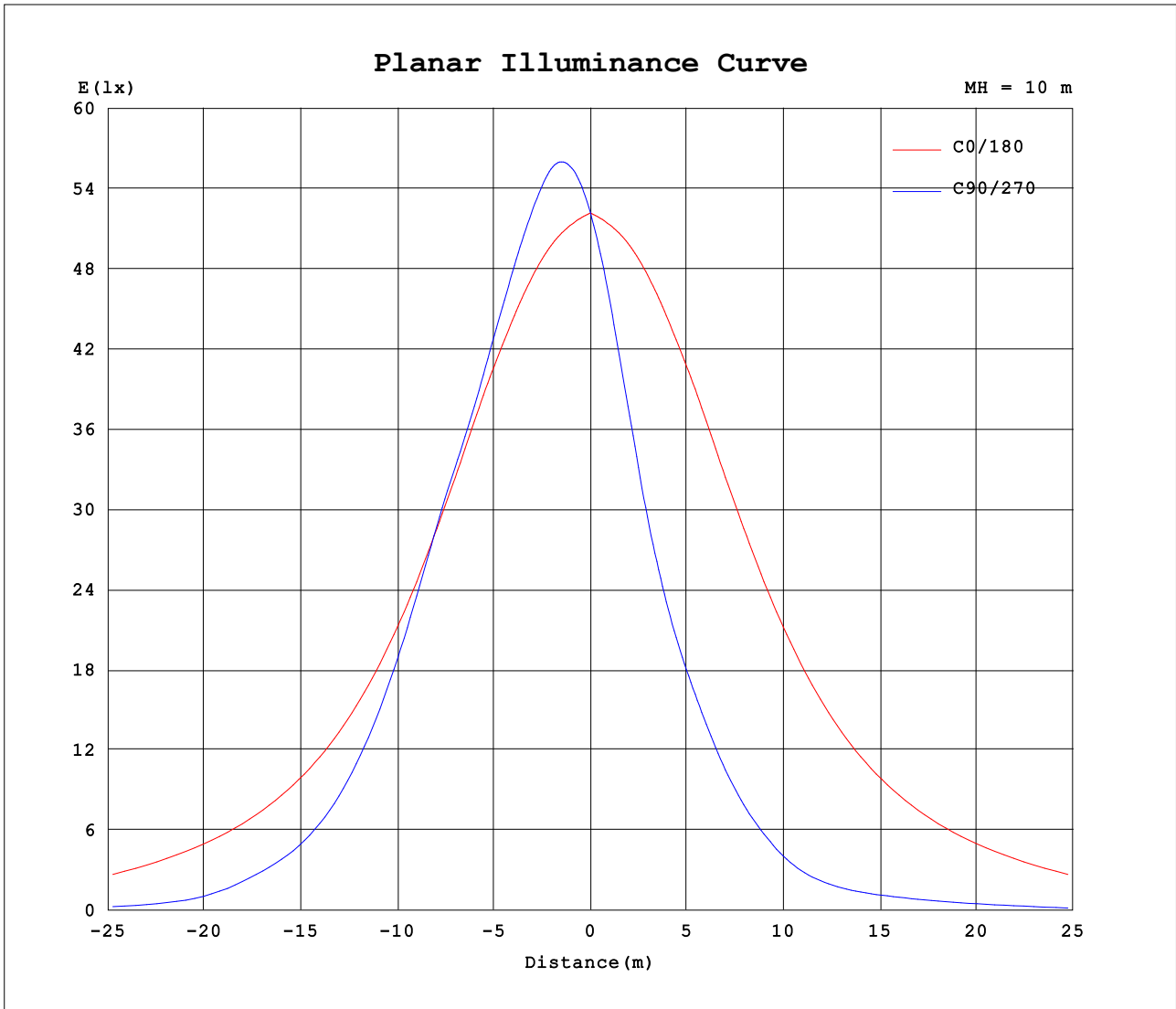
C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019-03-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 9.470m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019-03-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 9.470m [K=1.0000]
 Remarks:

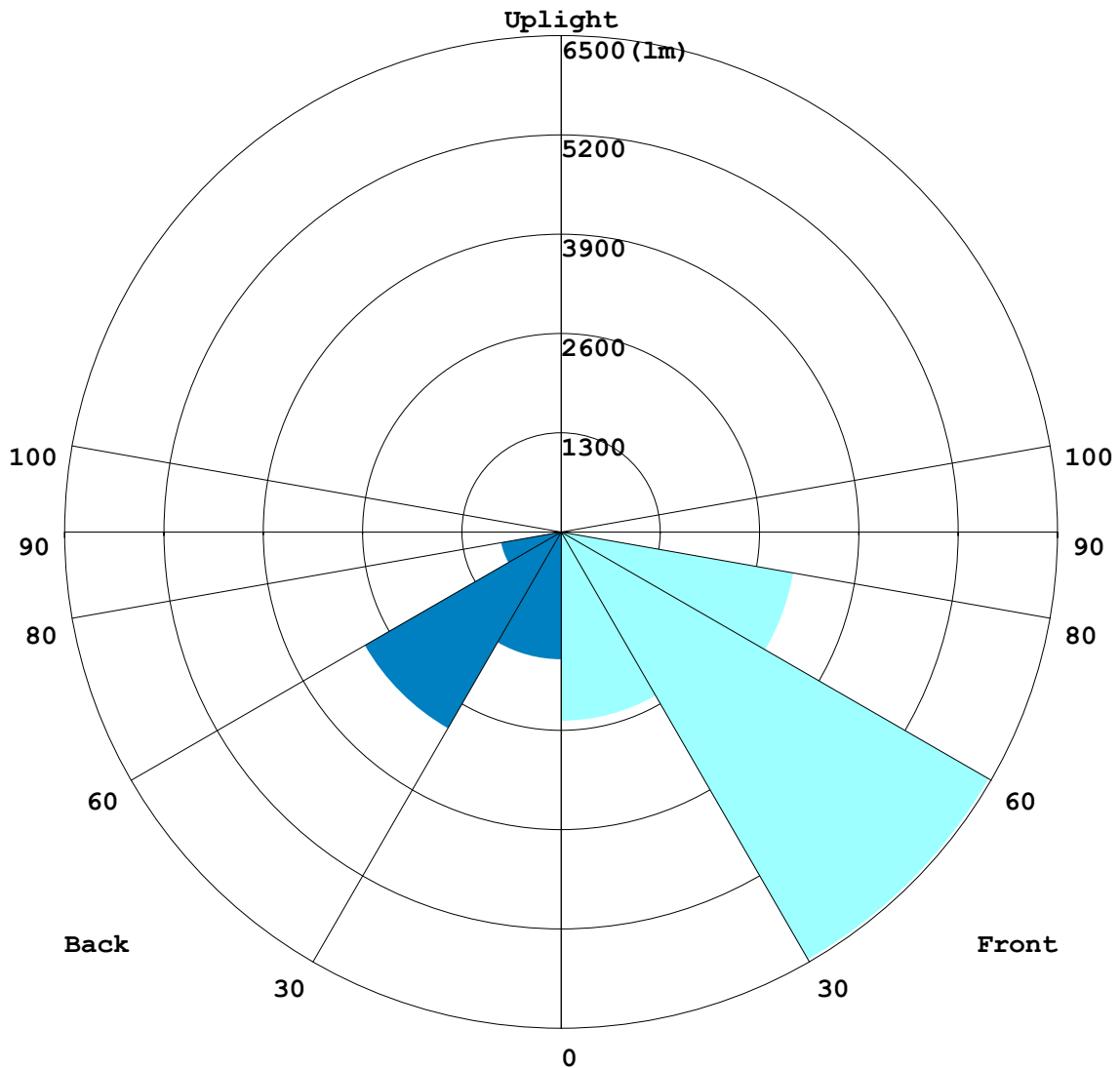
Checker: LI

Assessor:

LCS REPORT

Test:U:230.3V I:0.5580A P:124.8W PF:0.9713 Lamp Flux:17529.5x1 lm		
NAME: ST10-120KT	TYPE:120W	WEIGHT:
SPEC.:4070-T3M-R17601	DIM.:	SERIAL No.:
MFR.:	SUR.:0.26*0.275	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

BUG REPORT

Test:U:230.3V I:0.5580A P:124.8W PF:0.9713 Lamp Flux:17529.5x1 lm		
NAME: ST10-120KT	TYPE:120W	WEIGHT:
SPEC.:4070-T3M-R17601	DIM.:	SERIAL No.:
MFR.:	SUR.:0.26*0.275	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2472.1	14.1
FM - Front-Medium(30-60)	6461.3	36.9
FH - Front-High(60-80)	3086.3	17.6
FVH - Front-Very High(80-90)	58.48	0.3
Total Forward Light	12078	68.9

BL - Back-Low(0-30)	1669.5	9.5
BM - Back-Medium(30-60)	2968.2	16.9
BH - Back-High(60-80)	798.66	4.6
BVH - Back-Very High(80-90)	15.036	0.1
Total Back Light	5451.4	31.1

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G2
----------------------------------	-----------------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5451.4	0	5451.4
Street Side	12078	0	12078

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

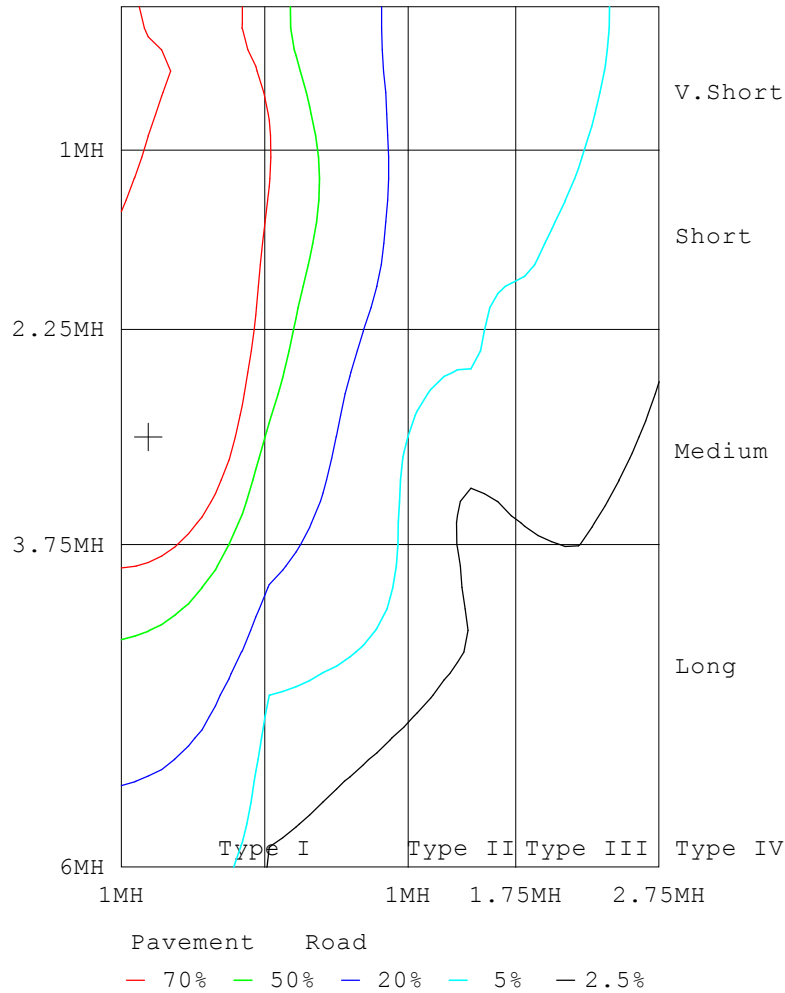
Checker: LI

Assessor:

ROAD ISOCANDELA REPORT

Test:U:230.3V I:0.5580A P:124.8W PF:0.9713 Lamp Flux:17529.5x1 lm		
NAME: ST10-120KT	TYPE:120W	WEIGHT:
SPEC.:4070-T3M-R17601	DIM.:	SERIAL No.:
MFR.:	SUR.:0.26*0.275	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	2.5	5	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35	37.5	40	42.5	45
0	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219
5	5203	5222	5240	5258	5276	5293	5310	5327	5343	5359	5374	5389	5403	5417	5431	5444	5456	5468	5479
10	5261	5298	5334	5368	5400	5431	5461	5489	5515	5540	5563	5586	5606	5626	5644	5660	5676	5691	5704
15	5361	5413	5463	5510	5554	5595	5633	5668	5700	5729	5756	5780	5802	5821	5838	5853	5866	5877	5886
20	5484	5551	5614	5671	5723	5771	5814	5851	5883	5911	5934	5953	5969	5978	5984	5988	5988	5987	5984
25	5633	5715	5790	5856	5915	5966	6009	6041	6065	6083	6095	6100	6101	6095	6085	6072	6057	6041	6024
30	5788	5881	5963	6035	6096	6146	6186	6211	6226	6232	6229	6220	6204	6179	6151	6119	6086	6052	6018
35	5897	6010	6107	6190	6257	6310	6348	6361	6360	6348	6326	6296	6258	6216	6170	6121	6073	6024	5979
40	5982	6114	6226	6319	6392	6446	6479	6478	6459	6426	6382	6329	6270	6217	6161	6105	6048	5992	5939
45	6001	6151	6279	6383	6463	6520	6554	6544	6514	6468	6408	6339	6263	6199	6133	6065	5996	5928	5861
50	5955	6127	6272	6390	6481	6544	6581	6568	6532	6476	6405	6321	6228	6150	6067	5980	5891	5799	5704
55	5865	6067	6237	6375	6480	6552	6592	6575	6529	6460	6370	6265	6148	6049	5943	5830	5708	5579	5441
60	5736	6006	6233	6416	6556	6653	6706	6688	6631	6541	6421	6278	6116	5967	5804	5627	5435	5229	5008
65	5511	5952	6322	6622	6851	7010	7098	7076	6991	6849	6656	6421	6149	5863	5551	5218	4866	4501	4126
70	4634	5606	6421	7077	7576	7916	8097	8003	7771	7420	6971	6444	5858	5259	4637	4008	3387	2791	2235
75	2296	3603	4691	5561	6212	6643	6856	6628	6218	5665	5007	4280	3524	2926	2347	1800	1298	851	473
80	228	609	925	1175	1358	1475	1525	1422	1267	1075	863	644	435	355	295	254	227	213	206
85	43.9	51.9	58.7	64.4	69.1	72.7	75.2	75.6	75.1	73.9	72.1	69.9	67.5	65.5	63.5	61.7	60.0	58.7	57.7
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	47.5	50	52.5	55	57.5	60	62.5	65	67.5	70	72.5	75	77.5	80	82.5	85	87.5	90	92.5
0	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219
5	5490	5500	5510	5519	5528	5536	5545	5553	5561	5568	5575	5581	5586	5590	5594	5597	5600	5602	5600
10	5717	5728	5739	5749	5759	5768	5779	5789	5798	5807	5816	5823	5829	5834	5838	5842	5846	5850	5846
15	5891	5895	5898	5899	5901	5902	5905	5909	5914	5918	5922	5926	5929	5932	5935	5939	5943	5949	5943
20	5980	5975	5969	5964	5958	5954	5953	5953	5954	5956	5958	5961	5963	5965	5968	5972	5977	5984	5977
25	6010	5997	5985	5974	5964	5957	5955	5955	5957	5960	5964	5968	5971	5975	5978	5983	5989	5995	5989
30	5993	5970	5951	5934	5920	5911	5910	5914	5920	5928	5938	5948	5955	5962	5969	5976	5983	5990	5983
35	5944	5913	5888	5867	5851	5840	5842	5848	5859	5873	5891	5911	5935	5960	5983	6005	6024	6037	6024
40	5890	5846	5806	5772	5744	5724	5722	5727	5738	5753	5772	5793	5817	5841	5863	5884	5901	5914	5901
45	5798	5737	5679	5625	5574	5529	5494	5463	5436	5414	5395	5379	5360	5345	5334	5326	5323	5324	5323
50	5610	5514	5418	5323	5227	5133	5035	4940	4848	4761	4679	4605	4538	4481	4434	4400	4380	4374	4380
55	5284	5121	4953	4782	4610	4439	4264	4095	3932	3780	3639	3514	3418	3340	3281	3241	3221	3221	3221
60	4744	4471	4194	3919	3650	3393	3178	2980	2801	2641	2500	2381	2298	2235	2192	2167	2158	2165	2158
65	3727	3329	2941	2569	2222	1905	1688	1506	1356	1234	1138	1064	1001	955	924	907	902	906	902
70	1844	1507	1222	986	795	649	569	522	502	502	514	532	495	459	424	393	368	350	368
75	324	243	217	233	279	341	339	340	340	339	335	325	280	232	184	139	101	72.8	101
80	193	184	180	178	179	181	182	184	185	184	182	177	155	133	110	88.4	70.3	56.8	70.3
85	58.3	59.3	60.5	61.7	62.9	63.9	63.6	63.1	62.3	61.4	60.2	58.9	57.2	55.5	53.9	52.4	51.1	50.1	51.1
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--3

UNIT: cd

C (DEG) \ γ (DEG)	95	97.5	100	102.5	105	107.5	110	112.5	115	117.5	120	122.5	125	127.5	130	132.5	135	137.5	140
0	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219
5	5597	5594	5590	5586	5581	5575	5568	5561	5553	5545	5536	5528	5519	5510	5500	5490	5479	5468	5456
10	5842	5838	5834	5829	5823	5816	5807	5798	5789	5779	5768	5759	5749	5739	5728	5717	5704	5691	5676
15	5939	5935	5932	5929	5926	5922	5918	5914	5909	5905	5902	5901	5899	5898	5895	5891	5886	5877	5866
20	5972	5968	5965	5963	5961	5958	5956	5954	5953	5953	5954	5958	5964	5969	5975	5980	5984	5987	5988
25	5983	5978	5975	5971	5968	5964	5960	5957	5955	5955	5957	5964	5974	5985	5997	6010	6024	6041	6057
30	5976	5969	5962	5955	5948	5938	5928	5920	5914	5910	5911	5920	5934	5951	5970	5993	6018	6052	6086
35	6005	5983	5960	5935	5911	5891	5873	5859	5848	5842	5840	5851	5867	5888	5913	5944	5979	6024	6073
40	5884	5863	5841	5817	5793	5772	5753	5738	5727	5722	5724	5744	5772	5806	5846	5890	5939	5992	6048
45	5326	5334	5345	5360	5379	5395	5414	5436	5463	5494	5529	5574	5625	5679	5737	5798	5861	5928	5996
50	4400	4434	4481	4538	4605	4679	4761	4848	4940	5035	5133	5227	5323	5418	5514	5610	5704	5799	5891
55	3241	3281	3340	3418	3514	3639	3780	3932	4095	4264	4439	4610	4782	4953	5121	5284	5441	5579	5708
60	2167	2192	2235	2298	2381	2500	2641	2801	2980	3178	3393	3650	3919	4194	4471	4744	5008	5229	5435
65	907	924	955	1001	1064	1138	1234	1356	1506	1688	1905	2222	2569	2941	3329	3727	4126	4501	4866
70	393	424	459	495	532	574	621	673	730	792	859	932	1011	1095	1184	1278	1377	1481	1590
75	139	184	232	280	325	375	430	490	555	625	700	780	865	955	1050	1150	1255	1365	1480
80	88.4	110	133	155	177	182	184	185	184	182	181	179	178	180	184	193	206	213	227
85	52.4	53.9	55.5	57.2	58.9	60.2	61.4	62.3	63.1	63.6	63.9	62.9	61.7	60.5	59.3	58.3	57.7	58.7	60.0
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--4

UNIT: cd

C (DEG) \ y (DEG)	142.5	145	147.5	150	152.5	155	157.5	160	162.5	165	167.5	170	172.5	175	177.5	180	182.5	185	187.5
0	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219
5	5444	5431	5417	5403	5389	5374	5359	5343	5327	5310	5293	5276	5258	5240	5222	5203	5183	5163	5142
10	5660	5644	5626	5606	5586	5563	5540	5515	5489	5461	5431	5400	5368	5334	5298	5261	5221	5180	5137
15	5853	5838	5821	5802	5780	5756	5729	5700	5668	5633	5595	5554	5510	5463	5413	5361	5302	5241	5177
20	5988	5984	5978	5969	5953	5934	5911	5883	5851	5814	5771	5723	5671	5614	5551	5484	5404	5320	5233
25	6072	6085	6095	6101	6100	6095	6083	6065	6041	6009	5966	5915	5856	5790	5715	5633	5529	5419	5305
30	6119	6151	6179	6204	6220	6229	6232	6226	6211	6186	6146	6096	6035	5963	5881	5788	5659	5525	5385
35	6121	6170	6216	6258	6296	6326	6348	6360	6361	6348	6310	6257	6190	6107	6010	5897	5744	5585	5420
40	6105	6161	6217	6270	6329	6382	6426	6459	6478	6479	6446	6392	6319	6226	6114	5982	5811	5632	5447
45	6065	6133	6199	6263	6339	6408	6468	6514	6544	6554	6520	6463	6383	6279	6151	6001	5807	5605	5396
50	5980	6067	6150	6228	6321	6405	6476	6532	6568	6581	6544	6481	6390	6272	6127	5955	5737	5509	5273
55	5830	5943	6049	6148	6265	6370	6460	6529	6575	6592	6552	6480	6375	6237	6067	5865	5596	5319	5036
60	5627	5804	5967	6116	6278	6421	6541	6631	6688	6706	6653	6556	6416	6233	6006	5736	5354	4975	4598
65	5218	5551	5863	6149	6421	6656	6849	6991	7076	7098	7010	6851	6622	6322	5952	5511	4903	4330	3793
70	4008	4637	5259	5858	6444	6971	7420	7771	8003	8097	7916	7576	7077	6421	5606	4634	3852	3144	2510
75	1800	2347	2926	3524	4280	5007	5665	6218	6628	6856	6643	6212	5561	4691	3603	2296	1854	1458	1111
80	254	295	355	435	644	863	1075	1267	1422	1525	1475	1358	1175	925	609	228	212	198	184
85	61.7	63.5	65.5	67.5	69.9	72.1	73.9	75.1	75.6	75.2	72.7	69.1	64.4	58.7	51.9	43.9	42.2	40.5	38.8
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-11

y Range: 0 - 90DEG
 y Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--5

UNIT: cd

C (DEG) \ γ (DEG)	190	192.5	195	197.5	200	202.5	205	207.5	210	212.5	215	217.5	220	222.5	225	227.5	230	232.5	235
0	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219
5	5121	5101	5080	5059	5038	5017	4996	4976	4956	4937	4918	4900	4882	4865	4848	4833	4818	4804	4791
10	5094	5050	5005	4958	4911	4864	4817	4770	4723	4676	4630	4585	4541	4497	4456	4416	4379	4343	4309
15	5111	5042	4970	4894	4816	4738	4658	4580	4501	4425	4349	4275	4203	4134	4068	4007	3950	3896	3845
20	5141	5045	4946	4839	4730	4619	4508	4398	4290	4186	4085	3986	3890	3797	3709	3623	3542	3466	3395
25	5187	5065	4938	4802	4663	4523	4383	4245	4109	3979	3852	3729	3611	3498	3390	3290	3197	3110	3031
30	5240	5091	4936	4770	4601	4432	4263	4096	3933	3777	3627	3483	3345	3214	3092	2984	2886	2796	2715
35	5250	5075	4895	4703	4508	4313	4119	3929	3743	3565	3393	3229	3074	2928	2792	2678	2575	2482	2399
40	5254	5054	4848	4622	4393	4164	3937	3715	3501	3306	3121	2946	2781	2627	2484	2358	2244	2140	2047
45	5179	4955	4725	4474	4221	3967	3717	3472	3235	3017	2810	2614	2430	2260	2104	1973	1857	1753	1662
50	5029	4777	4517	4232	3944	3656	3373	3099	2835	2599	2377	2170	1979	1804	1646	1519	1408	1312	1230
55	4746	4449	4147	3817	3486	3161	2844	2540	2254	2009	1785	1581	1400	1241	1104	1009	934	878	836
60	4226	3860	3499	3119	2751	2400	2071	1769	1497	1299	1132	994	882	794	727	679	646	627	618
65	3294	2834	2416	2045	1716	1428	1182	975	806	698	621	571	543	531	531	513	501	494	491
70	1955	1479	1083	837	662	548	484	458	459	422	399	386	381	381	385	376	368	361	353
75	812	564	366	271	219	202	212	240	278	268	259	250	241	233	224	213	202	190	178
80	172	161	151	143	136	129	124	119	114	109	104	99.5	94.4	89.1	83.4	76.0	68.3	60.4	52.6
85	37.0	35.3	33.5	31.5	29.6	27.8	26.0	24.2	22.6	21.2	19.9	18.7	17.6	16.4	15.3	13.9	12.5	11.2	9.87
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--6

UNIT: cd

C (DEG) \ γ (DEG)	237.5	240	242.5	245	247.5	250	252.5	255	257.5	260	262.5	265	267.5	270	272.5	275	277.5	280	282.5
0	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219
5	4779	4768	4757	4747	4738	4731	4724	4719	4716	4715	4714	4715	4717	4720	4717	4715	4714	4715	4716
10	4278	4248	4221	4196	4173	4154	4137	4123	4113	4107	4104	4104	4106	4111	4106	4104	4104	4107	4113
15	3798	3754	3712	3674	3639	3608	3581	3557	3537	3521	3510	3503	3501	3504	3501	3503	3510	3521	3537
20	3330	3270	3221	3178	3140	3108	3080	3057	3035	3018	3006	2998	2996	2999	2996	2998	3006	3018	3035
25	2958	2894	2841	2796	2757	2724	2697	2674	2652	2634	2620	2612	2609	2611	2609	2612	2620	2634	2652
30	2642	2578	2524	2479	2439	2406	2379	2356	2332	2313	2299	2289	2284	2284	2284	2289	2299	2313	2332
35	2325	2259	2200	2147	2102	2062	2029	2000	1973	1951	1933	1922	1915	1914	1915	1922	1933	1951	1973
40	1964	1891	1828	1773	1725	1685	1651	1623	1596	1575	1558	1547	1541	1540	1541	1547	1558	1575	1596
45	1581	1511	1447	1392	1344	1303	1269	1240	1213	1190	1173	1161	1155	1154	1155	1161	1173	1190	1213
50	1160	1101	1048	1003	966	936	912	893	875	862	852	846	844	845	844	846	852	862	875
55	806	786	763	746	734	726	721	718	711	706	702	699	698	699	698	699	702	706	711
60	617	621	614	609	606	605	605	607	611	616	621	626	630	633	630	626	621	616	611
65	491	493	491	491	492	495	497	501	507	514	520	525	529	532	529	525	520	514	507
70	346	339	331	322	313	304	295	287	277	268	259	252	246	242	246	252	259	268	277
75	165	152	137	122	107	92.3	78.3	65.2	53.9	44.0	35.7	29.3	24.9	22.6	24.9	29.3	35.7	44.0	53.9
80	44.9	37.6	31.1	25.0	19.5	14.6	10.3	6.72	4.70	3.35	2.58	2.31	2.46	2.94	2.46	2.31	2.58	3.35	4.70
85	8.65	7.54	6.72	6.02	5.43	4.93	4.53	4.22	3.99	3.84	3.74	3.70	3.69	3.72	3.69	3.70	3.74	3.84	3.99
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--7

UNIT: cd

C (DEG) γ (DEG)	285	287.5	290	292.5	295	297.5	300	302.5	305	307.5	310	312.5	315	317.5	320	322.5	325	327.5	330
0	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219
5	4719	4724	4731	4738	4747	4757	4768	4779	4791	4804	4818	4833	4848	4865	4882	4900	4918	4937	4956
10	4123	4137	4154	4173	4196	4221	4248	4278	4309	4343	4379	4416	4456	4497	4541	4585	4630	4676	4723
15	3557	3581	3608	3639	3674	3712	3754	3798	3845	3896	3950	4007	4068	4134	4203	4275	4349	4425	4501
20	3057	3080	3108	3140	3178	3221	3270	3330	3395	3466	3542	3623	3709	3797	3890	3986	4085	4186	4290
25	2674	2697	2724	2757	2796	2841	2894	2958	3031	3110	3197	3290	3390	3498	3611	3729	3852	3979	4109
30	2356	2379	2406	2439	2479	2524	2578	2642	2715	2796	2886	2984	3092	3214	3345	3483	3627	3777	3933
35	2000	2029	2062	2102	2147	2200	2259	2325	2399	2482	2575	2678	2792	2928	3074	3229	3393	3565	3743
40	1623	1651	1685	1725	1773	1828	1891	1964	2047	2140	2244	2358	2484	2627	2781	2946	3121	3306	3501
45	1240	1269	1303	1344	1392	1447	1511	1581	1662	1753	1857	1973	2104	2260	2430	2614	2810	3017	3235
50	893	912	936	966	1003	1048	1101	1160	1230	1312	1408	1519	1646	1804	1979	2170	2377	2599	2835
55	718	721	726	734	746	763	786	806	836	878	934	1009	1104	1241	1400	1581	1785	2009	2254
60	607	605	605	606	609	614	621	617	618	627	646	679	727	794	882	994	1132	1299	1497
65	501	497	495	492	491	491	493	491	491	494	501	513	531	531	543	571	621	698	806
70	287	295	304	313	322	331	339	346	353	361	368	376	385	381	381	386	399	422	459
75	65.2	78.3	92.3	107	122	137	152	165	178	190	202	213	224	233	241	250	259	268	278
80	6.72	10.3	14.6	19.5	25.0	31.1	37.6	44.9	52.6	60.4	68.3	76.0	83.4	89.1	94.4	99.5	104	109	114
85	4.22	4.53	4.93	5.43	6.02	6.72	7.54	8.65	9.87	11.2	12.5	13.9	15.3	16.4	17.6	18.7	19.9	21.2	22.6
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG γ Range: 0 - 90DEG
 C Interval: 2.5DEG γ Interval: 0.5DEG
 Test Speed: HIGH Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Temperature: 25.3DEG Humidity: 65.0%
 Operators: Test Distance: 9.470m [K=1.0000]
 Test Date: 2019-03-11 Remarks:
 Checker: LI Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--8

UNIT: cd

C (DEG) \ γ (DEG)	332.5	335	337.5	340	342.5	345	347.5	350	352.5	355	357.5								
0	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219	5219								
5	4976	4996	5017	5038	5059	5080	5101	5121	5142	5163	5183								
10	4770	4817	4864	4911	4958	5005	5050	5094	5137	5180	5221								
15	4580	4658	4738	4816	4894	4970	5042	5111	5177	5241	5302								
20	4398	4508	4619	4730	4839	4946	5045	5141	5233	5320	5404								
25	4245	4383	4523	4663	4802	4938	5065	5187	5305	5419	5529								
30	4096	4263	4432	4601	4770	4936	5091	5240	5385	5525	5659								
35	3929	4119	4313	4508	4703	4895	5075	5250	5420	5585	5744								
40	3715	3937	4164	4393	4622	4848	5054	5254	5447	5632	5811								
45	3472	3717	3967	4221	4474	4725	4955	5179	5396	5605	5807								
50	3099	3373	3656	3944	4232	4517	4777	5029	5273	5509	5737								
55	2540	2844	3161	3486	3817	4147	4449	4746	5036	5319	5596								
60	1769	2071	2400	2751	3119	3499	3860	4226	4598	4975	5354								
65	975	1182	1428	1716	2045	2416	2834	3294	3793	4330	4903								
70	458	484	548	662	837	1083	1479	1955	2510	3144	3852								
75	240	212	202	219	271	366	564	812	1111	1458	1854								
80	119	124	129	136	143	151	161	172	184	198	212								
85	24.2	26.0	27.8	29.6	31.5	33.5	35.3	37.0	38.8	40.5	42.2								
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00								

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-11
 γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:
 Checker: LI
 Assessor: