

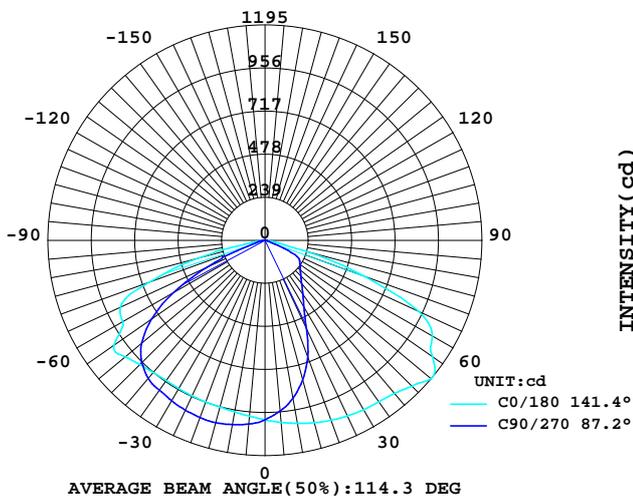
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

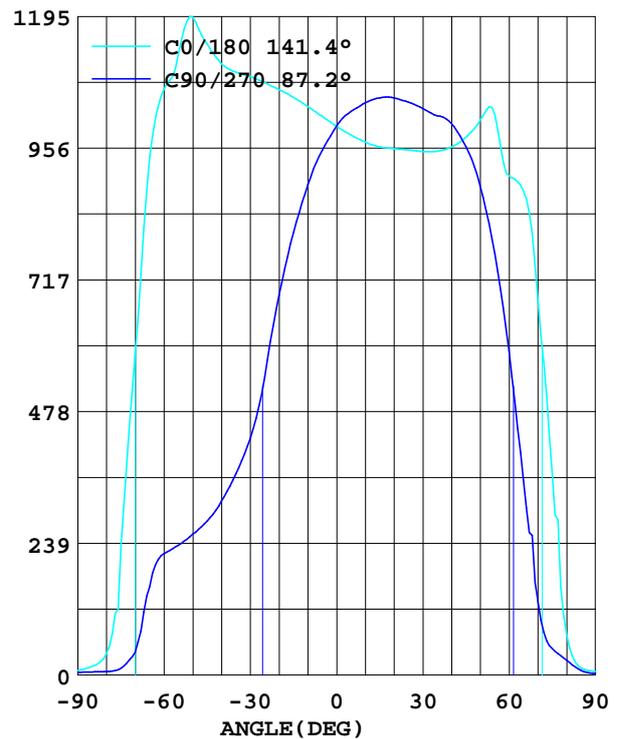
MANUFACTURER:			
Address:			
NAME: SA20-A44NN-HE		TYPE: 4000K	WEIGHT:
SPECIFICATION:	CCT(K): 4000	DIMENSION: 80X150DEG	SERIAL No.:

DATA OF LAMP		I <sub>max</sub> (cd)	1195	S/MH(C0/180)	1.68
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.82
NOMINAL POWER(W)	20	TOTAL FLUX(lm)	3145.8	Voltage(V)	230.8
RATED VOLTAGE(V)	230	EFFICIENCY(lm/W)	157.9	Current(A)	0.089
NOMINAL FLUX(lm)	3145.9	η up(%)	0.0	Power(W)	19.92
LAMPS QUANTITY	1	η down(%)	100.0	Power Factor(PF)	0.965
TEST VOLTAGE(V)	230.8	Effective Flux(lm)	3145.9	EEI	0.095

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



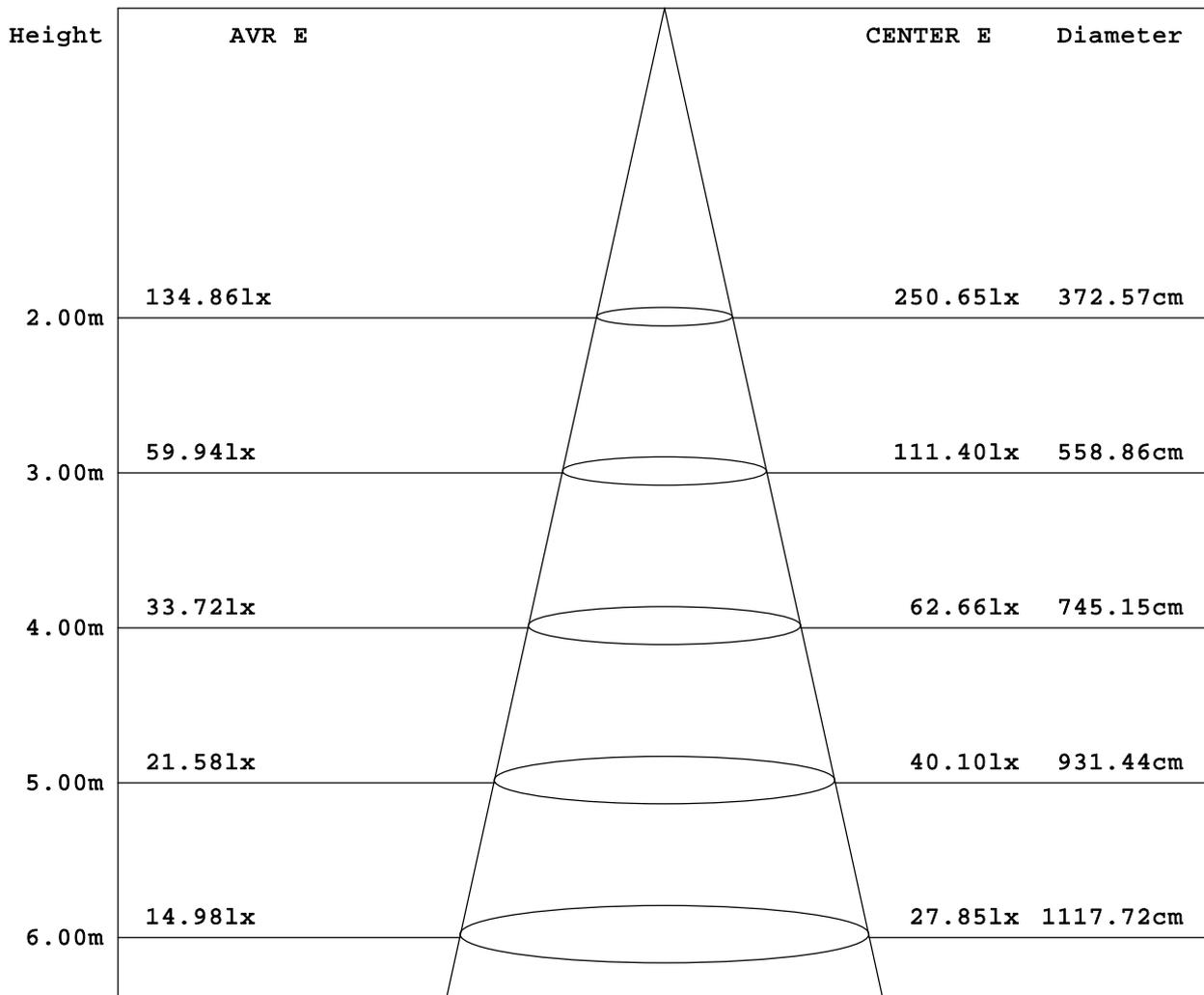
Test System:HOPPO  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023.12.19

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:			
Address:			
NAME: SA20-A44NN-HE		TYPE: 4000K	WEIGHT:
SPECIFICATION:	CCT(K): 4000	DIMENSION: 80X150DEG	SERIAL No.:



Angle: 85.9deg

Test System:HOP00  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023.12.19

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: SA20-A44NN-HE		TYPE: 4000K	WEIGHT:
SPECIFICATION:	CCT(K): 4000	DIMENSION: 80X150DEG	SERIAL No.:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	zone	total
5.0	1014	977.2	951.1	948.2	979.5	1009	1023	1030	0- 5	23.75	23.75
10.0	1031	956.1	889.8	894.1	967.0	1015	1038	1054	5- 10	70.54	94.29
15.0	1048	926.2	802.3	823.9	958.4	1022	1047	1074	10- 15	115.2	209.5
20.0	1062	888.4	689.0	742.1	954.8	1025	1047	1084	15- 20	156.5	366.1
25.0	1075	836.2	541.6	646.5	952.6	1027	1040	1087	20- 25	192.7	558.9
30.0	1086	769.9	429.6	527.9	949.9	1022	1028	1086	25- 30	223.0	781.9
35.0	1094	679.7	365.4	403.8	950.4	1016	1015	1079	30- 35	248.3	1030
40.0	1109	565.3	315.3	331.6	957.9	1006	1000	1070	35- 40	270.2	1301
45.0	1145	446.1	279.4	280.2	975.4	996.8	959.1	1056	40- 45	289.2	1590
50.0	1194	339.0	255.5	242.2	1007	987.9	885.3	1027	45- 50	305.2	1895
55.0	1127	267.8	235.7	214.0	1016	962.0	764.4	952.8	50- 55	313.8	2209
60.0	1063	217.8	220.3	185.5	905.4	899.9	588.0	808.6	55- 60	301.2	2510
65.0	939.5	166.9	160.1	160.8	877.7	711.2	352.6	554.0	60- 65	271.1	2781
70.0	585.3	117.0	41.65	101.9	680.0	522.8	133.6	246.3	65- 70	203.3	2985
75.0	234.2	36.89	12.31	22.56	368.2	221.8	48.16	69.49	70- 75	110.5	3095
80.0	39.73	11.73	6.608	3.209	74.09	49.22	26.73	35.40	75- 80	36.38	3132
85.0	15.69	4.311	5.707	2.206	12.71	20.45	8.211	17.24	80- 85	10.10	3142
90.0	8.641	3.308	5.006	2.607	6.754	9.424	3.204	7.421	85- 90	4.221	3146
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPPO  
Temperature:25.3DEG  
Operators:  
Test Date:2023.12.19

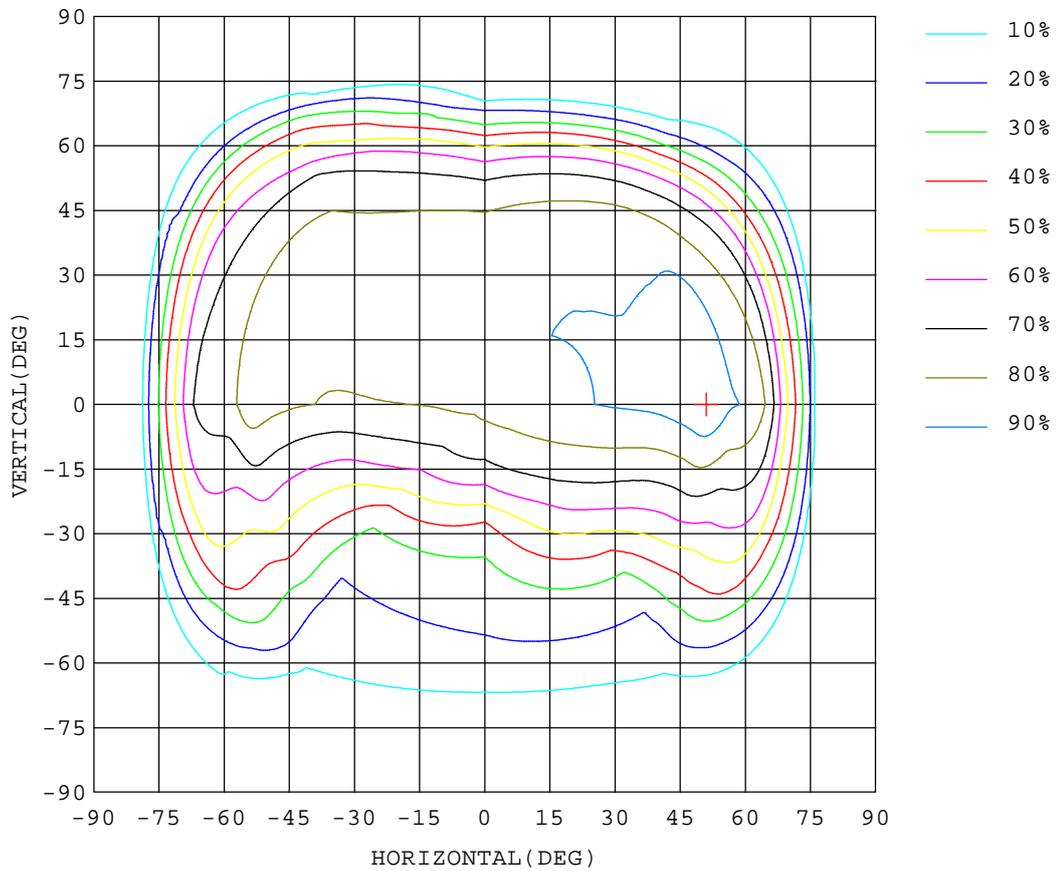
Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: SA20-A44NN-HE		TYPE: 4000K	WEIGHT:
SPECIFICATION:	CCT(K): 4000	DIMENSION: 80X150DEG	SERIAL No.:

UNIT: cd



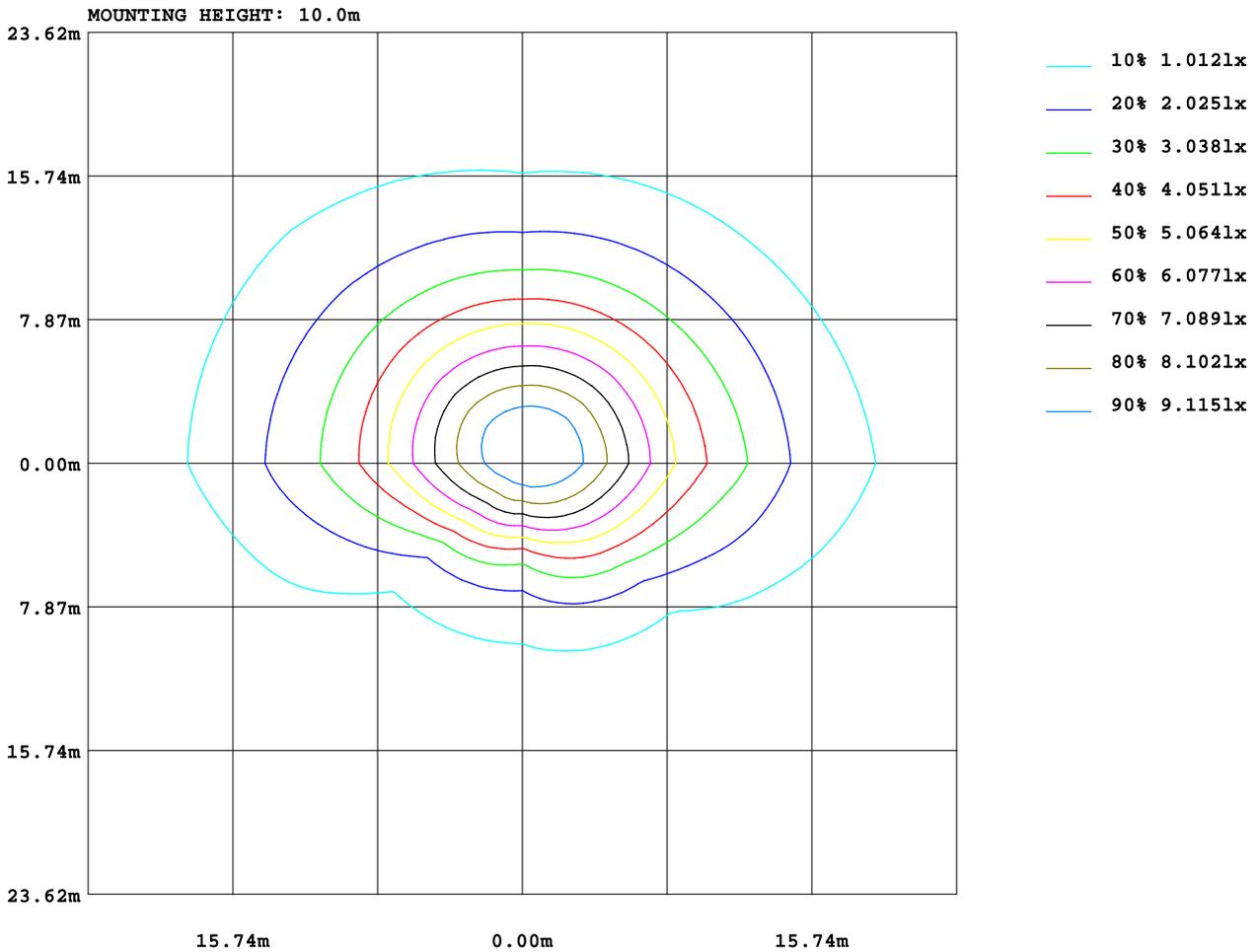
Test System:HOP00  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023.12.19

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: SA20-A44NN-HE		TYPE: 4000K	WEIGHT:
SPECIFICATION:	CCT(K): 4000	DIMENSION: 80X150DEG	SERIAL No.:



Test System:HOP00  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023.12.19

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: SA20-A44NN-HE		TYPE: 4000K	WEIGHT:
SPECIFICATION:	CCT(K): 4000	DIMENSION: 80X150DEG	SERIAL No.:

UNIT: cd

γ (DEG)	C (DEG)							
	0	45	90	135	180	225	270	315
0.0	996	996	996	996	996	996	996	996
5.0	1014	977	951	948	980	1009	1023	1030
10.0	1031	956	890	894	967	1015	1038	1054
15.0	1048	926	802	824	958	1022	1047	1074
20.0	1062	888	689	742	955	1025	1047	1084
25.0	1075	836	542	647	953	1027	1040	1087
30.0	1086	770	430	528	950	1022	1028	1086
35.0	1094	680	365	404	950	1016	1015	1079
40.0	1109	565	315	332	958	1006	1000	1070
45.0	1145	446	279	280	975	997	959	1056
50.0	1194	339	256	242	1007	988	885	1027
55.0	1127	268	236	214	1016	962	764	953
60.0	1063	218	220	186	905	900	588	809
65.0	940	167	160	161	878	711	353	554
70.0	585	117	41.6	102	680	523	134	246
75.0	234	36.8	12.3	22.5	368	222	48.1	69.4
80.0	39.7	11.7	6.60	3.20	74.0	49.2	26.7	35.4
85.0	15.6	4.31	5.70	2.20	12.7	20.4	8.21	17.2
90.0	8.64	3.30	5.00	2.60	6.75	9.42	3.20	7.42

Test System:HOPOO  
Temperature:25.3DEG  
Operators:  
Test Date:2023.12.19

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