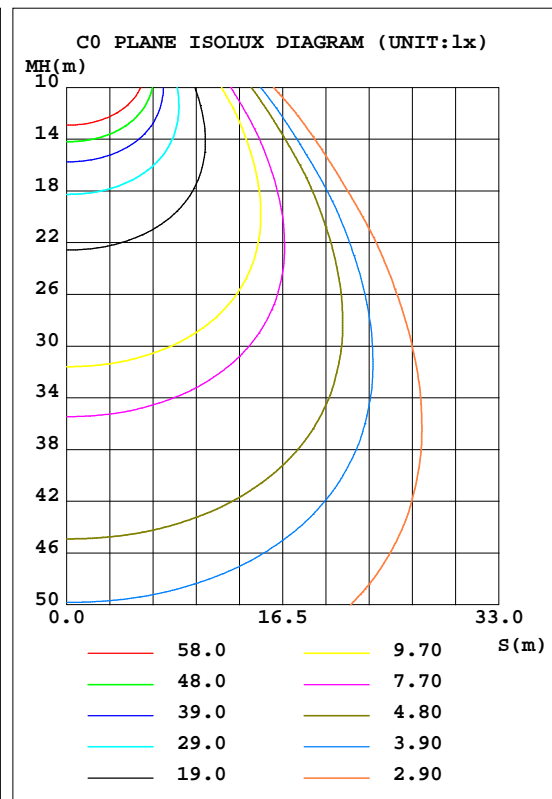
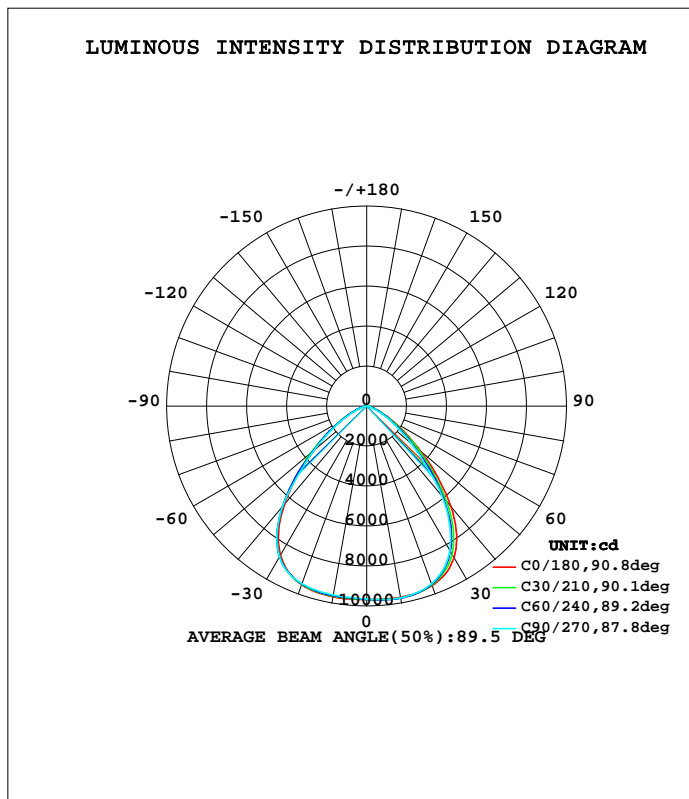


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.0V I:0.6880A P:149.9W PF:0.9900 Lamp Flux:19569.8x1 lm		
NAME: LED Explosion Proof Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:280*190mm	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.55 lm/W			
MODEL	KLE1017-150	I <sub>max</sub> (cd)	9754	S/MH(C0/180)	1.27
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	19570	η UP, DN(C0-180)	0.0, 48.8
NOMINAL FLUX(lm)	19569.8	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1, 51.0
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220.2	η down(%)	99.9	CIBSE SHR MAX	1.30



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: Qin Meng  
 Test Date: 2022-07-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity: 65.0%  
 Test Distance: 8.540m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	\$lum,lamp
10	9702	9754	9737	9729	9691	9648	9600	9636	0- 10	923.8	923.8	4.72,4.72
20	9554	9515	9467	9473	9506	9474	9455	9493	10- 20	2724	3648	18.6,18.6
30	8747	8475	8321	8390	8622	8683	8726	8729	20- 30	4214	7862	40.2,40.2
40	6556	6108	5874	6029	6395	6511	6553	6549	30- 40	4731	12593	64.3,64.3
50	3543	3308	2956	3261	3411	3637	3466	3668	40- 50	3693	16286	83.2,83.2
60	1518	1430	1244	1374	1507	1555	1466	1529	50- 60	2077	18363	93.8,93.8
70	471.4	471.6	355.5	483.1	470.7	518.1	395.5	496.0	60- 70	887.6	19251	98.4,98.4
80	89.94	87.91	67.41	90.98	91.50	86.75	59.43	82.96	70- 80	259.4	19510	99.7,99.7
90	0.3864	0.3401	0.4995	0.8005	0.9319	0.8286	0.6803	0.8059	80- 90	36.89	19547	99.9,99.9
100	0.6291	0.6806	0.6337	0.6807	1.633	1.507	1.348	1.456	90-100	0.8254	19548	99.9,99.9
110	1.277	1.347	1.318	1.361	2.966	2.747	2.575	2.664	100-110	1.602	19550	99.9,99.9
120	2.154	2.248	2.237	2.285	4.400	4.176	4.037	4.112	110-120	2.580	19552	99.9,99.9
130	3.147	3.264	3.271	3.301	5.668	5.496	5.416	5.459	120-130	3.393	19555	99.9,99.9
140	4.277	4.427	4.401	4.455	6.771	6.645	6.606	6.654	130-140	3.818	19559	99.9,99.9
150	5.578	5.760	5.730	5.811	7.768	7.670	7.653	7.684	140-150	3.823	19563	100,100
160	7.163	7.337	7.375	7.456	8.669	8.571	8.554	8.580	150-160	3.375	19566	100,100
170	8.667	8.875	8.947	8.981	9.427	9.426	9.418	9.375	160-170	2.418	19569	100,100
180	9.238	9.357	9.390	9.431	9.279	9.380	9.422	9.440	170-180	0.8845	19570	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

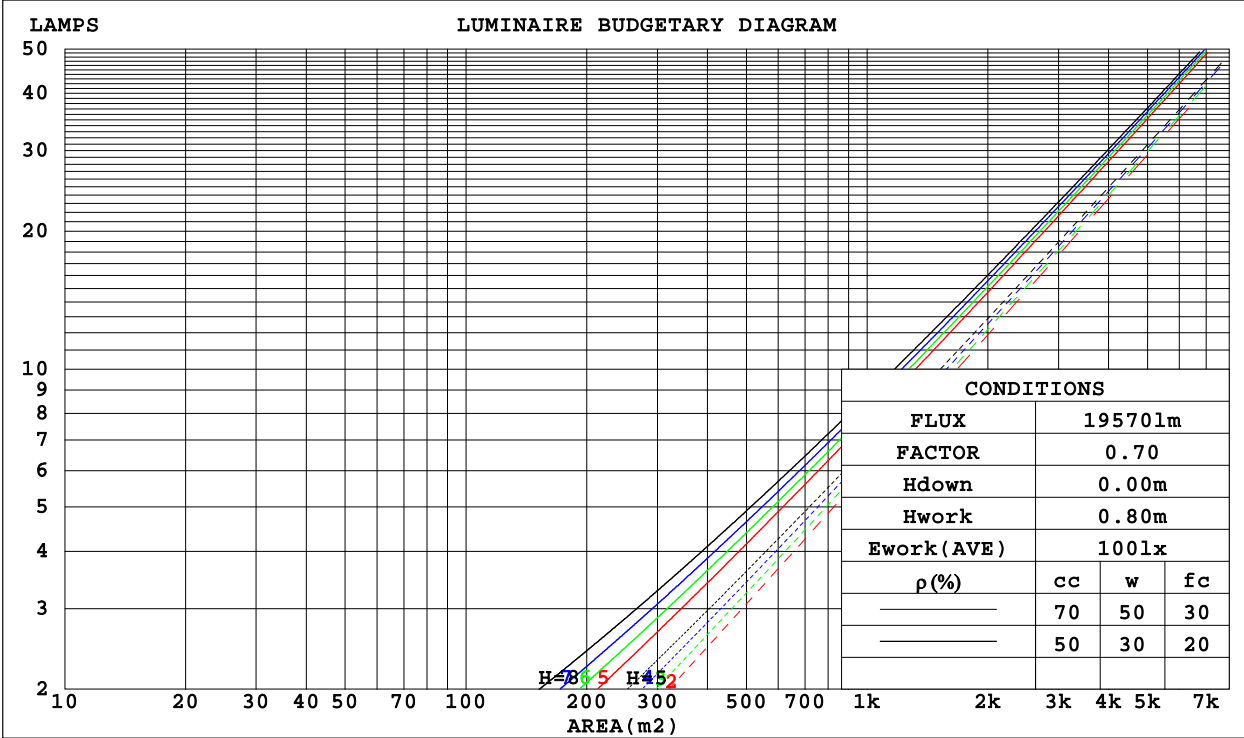
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:Qin Meng  
 Test Date:2022-07-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:8.540m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.0V I:0.6880A P:149.9W PF:0.9900 Lamp Flux:19569.8x1 lm		
NAME: LED Explosion Proof Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:280*190mm	PROTECTION ANGLE:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.08	1.05	1.02	1.06	1.03	1.00	1.02	.99	.97	.98	.96	.94	.94	.93	.91	.89
2.0	.97	.92	.87	.95	.90	.86	.92	.88	.84	.89	.85	.82	.86	.83	.81	.79
3.0	.88	.81	.76	.86	.80	.75	.83	.78	.74	.81	.76	.73	.78	.75	.71	.70
4.0	.79	.72	.66	.78	.71	.66	.76	.70	.65	.73	.68	.64	.71	.67	.63	.62
5.0	.72	.64	.59	.71	.64	.58	.69	.63	.58	.67	.62	.57	.65	.61	.57	.55
6.0	.66	.58	.52	.65	.58	.52	.63	.57	.52	.62	.56	.51	.60	.55	.51	.49
7.0	.60	.53	.47	.59	.52	.47	.58	.51	.47	.57	.51	.46	.55	.50	.46	.44
8.0	.55	.48	.43	.55	.48	.43	.54	.47	.42	.52	.46	.42	.51	.46	.42	.40
9.0	.51	.44	.39	.51	.44	.39	.50	.43	.39	.49	.43	.38	.48	.42	.38	.37
10.0	.47	.40	.36	.47	.40	.35	.46	.40	.35	.45	.39	.35	.44	.39	.35	.33



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:Qin Meng  
 Test Date:2022-07-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:8.540m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:220.0V I:0.6880A P:149.9W PF:0.9900 Lamp Flux:19569.8x1 lm		
NAME: LED Explosion Proof Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:280*190mm	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.233	.132	.042	.226	.129	.041	.213	.122	.039	.201	.116	.037	.190	.110	.035	
2.0	.227	.124	.038	.221	.122	.038	.210	.117	.036	.200	.112	.035	.190	.108	.034	
3.0	.217	.115	.035	.212	.113	.034	.202	.109	.033	.193	.106	.032	.184	.102	.032	
4.0	.206	.107	.031	.201	.105	.031	.192	.102	.030	.184	.099	.030	.177	.096	.029	
5.0	.194	.099	.029	.190	.098	.028	.183	.095	.028	.176	.093	.028	.169	.090	.027	
6.0	.184	.092	.026	.180	.091	.026	.173	.089	.026	.167	.087	.026	.161	.085	.025	
7.0	.174	.086	.024	.171	.085	.024	.164	.083	.024	.159	.081	.024	.153	.080	.023	
8.0	.164	.080	.023	.162	.080	.022	.156	.078	.022	.151	.077	.022	.146	.075	.022	
9.0	.156	.075	.021	.153	.075	.021	.148	.073	.021	.144	.072	.021	.139	.071	.020	
10.0	.148	.071	.020	.146	.070	.020	.141	.069	.020	.137	.068	.019	.133	.067	.019	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.191	.191	.191	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.176	.158	.141	.150	.135	.122	.103	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.165	.133	.107	.141	.115	.092	.097	.079	.064	.056	.046	.038	.018	.015	.012	
3.0	.155	.115	.083	.133	.099	.072	.091	.069	.050	.053	.040	.030	.017	.013	.010	
4.0	.147	.101	.066	.126	.087	.057	.087	.061	.040	.050	.036	.024	.016	.012	.008	
5.0	.140	.090	.053	.120	.078	.046	.083	.054	.033	.048	.032	.019	.015	.010	.006	
6.0	.133	.081	.044	.114	.070	.039	.079	.049	.027	.046	.029	.016	.015	.009	.005	
7.0	.127	.074	.038	.109	.064	.033	.075	.045	.023	.044	.027	.014	.014	.009	.005	
8.0	.121	.068	.032	.104	.059	.028	.072	.042	.020	.042	.025	.012	.014	.008	.004	
9.0	.116	.064	.028	.100	.055	.025	.069	.039	.017	.040	.023	.010	.013	.008	.003	
10.0	.111	.059	.025	.096	.051	.022	.066	.036	.016	.039	.021	.009	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:Qin Meng  
 Test Date:2022-07-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:8.540m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.0V I:0.6880A P:149.9W PF:0.9900 Lamp Flux:19569.8x1 lm												
NAME: LED Explosion Proof Light					TYPE:			WEIGHT:				
SPEC.:					DIM.:			SERIAL No.:				
MFR.:					SUR.:280*190mm			PROTECTION ANGLE:				
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3		
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3		
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2		
Room dimensions	Viewed crosswise					Viewed endwise						
x = 2H y = 2H	2H	27.3	28.6	27.6	28.8	29.0	26.6	27.9	26.8	28.1	28.2	
	3H	27.5	28.7	27.8	28.9	29.1	26.7	27.8	27.0	28.1	28.3	
	4H	27.5	28.6	27.8	28.8	29.1	26.6	27.7	26.9	28.0	28.2	
	6H	27.4	28.4	27.7	28.7	29.0	26.6	27.6	26.9	27.9	28.1	
	8H	27.4	28.4	27.7	28.6	28.9	26.5	27.5	26.8	27.8	28.1	
	12H	27.3	28.3	27.7	28.6	28.9	26.5	27.4	26.8	27.7	28.0	
	4H	2H	27.3	28.4	27.6	28.7	28.9	26.7	27.8	27.0	28.0	28.3
		3H	27.6	28.5	27.9	28.8	29.1	26.8	27.8	27.2	28.1	28.4
		4H	27.6	28.5	28.0	28.8	29.1	26.8	27.7	27.2	28.0	28.3
		6H	27.6	28.3	28.0	28.7	29.0	26.8	27.5	27.2	27.9	28.2
		8H	27.5	28.2	27.9	28.6	29.0	26.7	27.4	27.1	27.8	28.2
		12H	27.5	28.1	27.9	28.5	28.9	26.7	27.3	27.1	27.7	28.1
	8H	4H	27.5	28.2	27.9	28.6	29.0	26.8	27.5	27.2	27.8	28.2
		6H	27.5	28.1	27.9	28.5	28.9	26.7	27.3	27.2	27.7	28.1
		8H	27.5	28.0	27.9	28.4	28.9	26.7	27.2	27.2	27.6	28.1
		12H	27.4	27.9	27.9	28.3	28.8	26.7	27.1	27.2	27.5	28.0
	12H	4H	27.5	28.1	27.9	28.5	28.9	26.7	27.4	27.2	27.7	28.1
		6H	27.5	28.0	27.9	28.4	28.8	26.7	27.2	27.2	27.6	28.1
		8H	27.4	27.9	27.9	28.3	28.8	26.7	27.1	27.1	27.5	28.0
Variations with the observer position at spacings:												
S = 1.0H	+ 1.0 / - 1.5					+ 1.2 / - 2.0						
1.5H	+ 0.8 / - 1.1					+ 1.0 / - 1.0						
2.0H	+ 2.4 / - 2.7					+ 2.3 / - 2.4						

CIE Pub.117 Corrected 19570 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.3)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:Qin Meng  
 Test Date:2022-07-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:8.540m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:220.0V I:0.6880A P:149.9W PF:0.9900 Lamp Flux:19569.8x1 lm		
NAME: LED Explosion Proof Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:280*190mm	PROTECTION ANGLE:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	69	59	53	68	59	53	67	59	53	48
0.80	79	70	64	78	69	64	76	68	63	58
1.00	87	78	72	86	77	72	84	78	72	66
1.25	93	85	80	92	84	79	89	83	78	73
1.50	97	90	85	96	89	84	93	87	83	77
2.00	102	96	91	101	95	90	97	93	89	83
2.50	105	99	95	103	98	94	100	95	92	85
3.00	107	102	98	105	101	97	102	98	95	88
4.00	110	106	103	108	104	101	104	101	99	91
5.00	112	108	105	110	106	104	105	103	101	92
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:Qin Meng  
 Test Date:2022-07-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:8.540m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

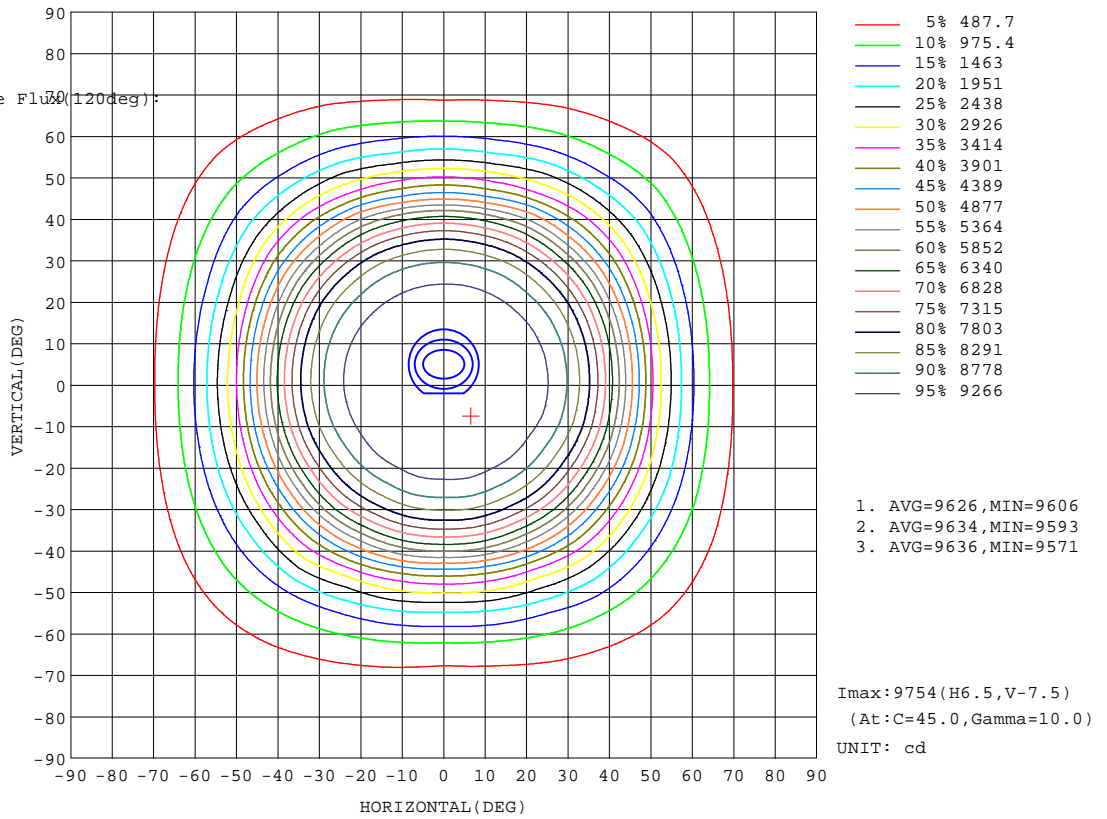
Test:U:220.0V I:0.6880A P:149.9W PF:0.9900 Lamp Flux:19569.8x1 lm		
NAME: LED Explosion Proof Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:280*190mm	PROTECTION ANGLE:

Conical surface Flux(90deg):

14647 lm  
%lum = 74.8%  
%lamp = 74.8%

Conical surface Flux(120deg):

18363 lm  
%lum = 93.8%  
%lamp = 93.8%



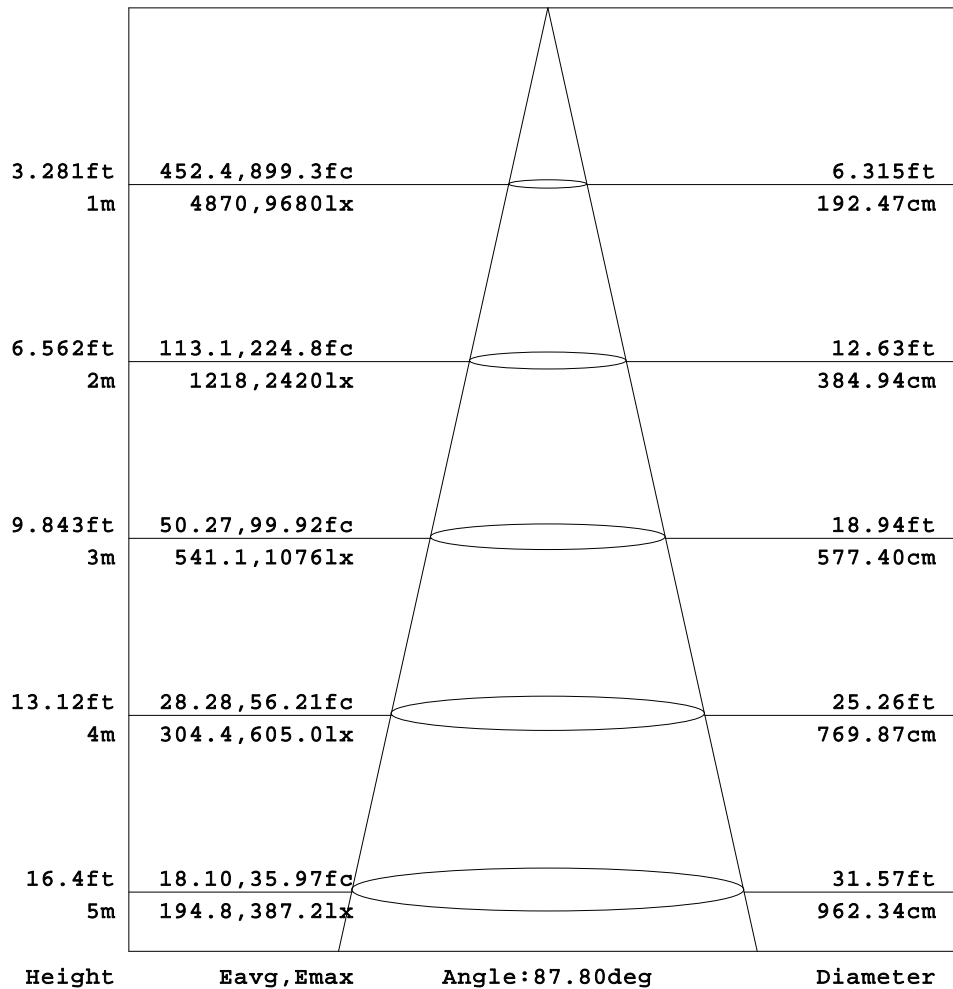
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:Qin Meng  
Test Date:2022-07-27

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
Humidity:65.0%  
Test Distance:8.540m [K=1.0000]  
Remarks:

AAI Figure

Test:U:220.0V I:0.6880A P:149.9W PF:0.9900 Lamp Flux:19569.8x1 lm		
NAME: LED Explosion Proof Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:280*190mm	PROTECTION ANGLE:

Flux out:14268 lm



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

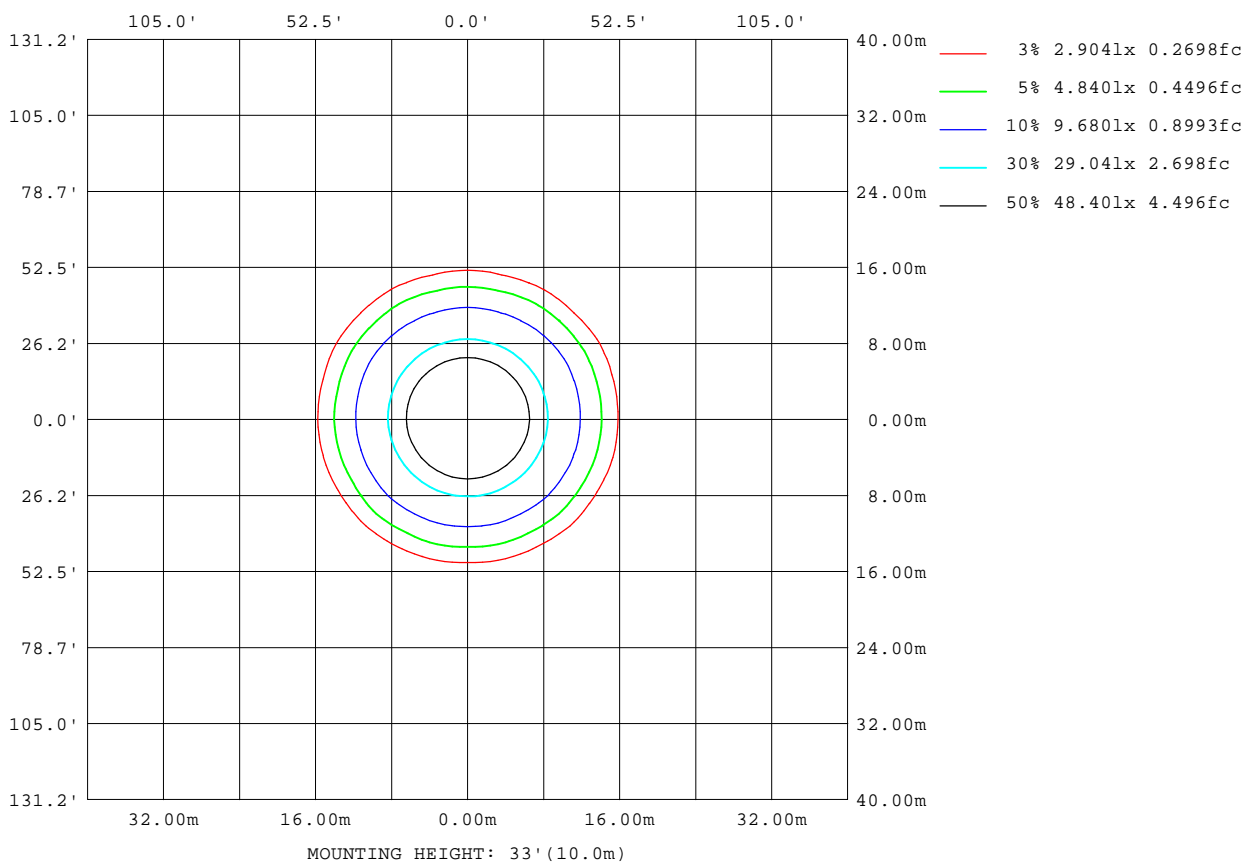
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:Qin Meng  
 Test Date:2022-07-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:8.540m [K=1.0000]  
 Remarks:



**ISOLUX DIAGRAM**

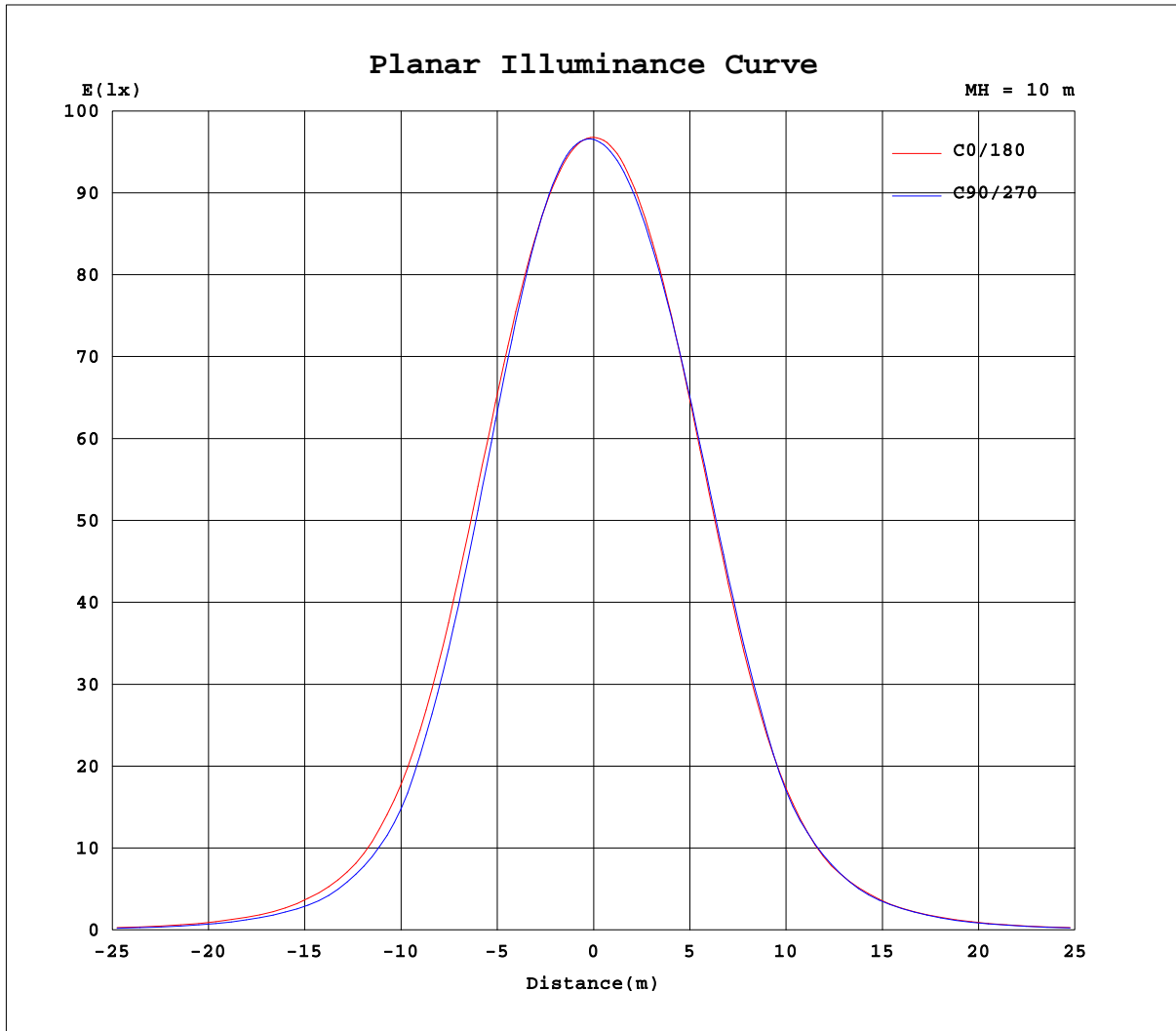
Test:U:220.0V I:0.6880A P:149.9W PF:0.9900 Lamp Flux:19569.8x1 lm		
NAME: LED Explosion Proof Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:280*190mm	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: Qin Meng  
 Test Date: 2022-07-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity: 65.0%  
 Test Distance: 8.540m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: Qin Meng  
 Test Date: 2022-07-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity: 65.0%  
 Test Distance: 8.540m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.6880A P:149.9W PF:0.9900 Lamp Flux:19569.8x1 lm		
NAME: LED Explosion Proof Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:280*190mm	PROTECTION ANGLE:

Table--1

UNIT: cd

C( DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	9680	9677	9676	9672	9670	9662	9656	9649	9647	9644	9644	9643	9680	9677	9676	9672	9670	9662	9656
5	9695	9703	9714	9717	9721	9717	9712	9704	9700	9689	9679	9665	9689	9672	9659	9645	9634	9625	9618
10	9702	9721	9742	9754	9753	9745	9737	9737	9738	9729	9706	9678	9691	9670	9660	9648	9630	9611	9600
15	9674	9689	9693	9700	9696	9688	9672	9674	9674	9665	9651	9632	9646	9628	9617	9600	9586	9563	9554
20	9554	9559	9526	9515	9493	9494	9467	9477	9461	9473	9471	9482	9506	9505	9497	9474	9472	9463	9455
25	9281	9258	9162	9133	9080	9087	9045	9064	9040	9077	9098	9155	9198	9219	9221	9209	9215	9221	9225
30	8747	8690	8545	8475	8384	8379	8321	8354	8333	8390	8436	8555	8622	8668	8694	8683	8715	8716	8726
35	7854	7754	7564	7469	7343	7317	7248	7289	7280	7376	7427	7592	7697	7753	7814	7798	7840	7822	7847
40	6556	6444	6215	6108	5962	5948	5874	5922	5920	6029	6089	6265	6395	6456	6539	6511	6558	6532	6553
45	5041	4931	4722	4610	4465	4288	4195	4303	4447	4555	4608	4770	4902	4958	5049	5016	5059	4844	4821
50	3543	3503	3395	3308	3042	3032	2956	3016	3032	3261	3303	3332	3411	3493	3660	3637	3510	3452	3466
55	2418	2374	2254	2213	2076	1992	1913	1997	2054	2217	2179	2294	2370	2368	2465	2433	2454	2281	2292
60	1518	1508	1457	1430	1315	1296	1244	1293	1305	1374	1425	1468	1507	1505	1622	1555	1550	1476	1466
65	884	910	868	839	800	752	702	767	805	839	889	888	877	921	962	933	944	877	816
70	471	507	500	472	445	394	355	418	450	483	492	485	471	505	551	518	514	443	396
75	237	262	249	237	217	189	172	203	229	240	248	246	234	257	271	253	242	202	173
80	89.9	101	94.0	87.9	81.8	74.0	67.4	78.4	86.8	91.0	97.3	97.6	91.5	98.4	101	86.7	85.0	68.2	59.4
85	26.0	29.7	30.7	32.1	32.9	33.9	32.8	33.7	32.2	31.6	30.1	27.9	25.8	27.9	29.8	28.7	29.6	29.6	28.9
90	0.39	0.30	0.42	0.34	0.46	0.37	0.50	0.70	0.52	0.80	0.48	0.40	0.93	0.87	0.80	0.83	0.71	0.76	0.68
95	0.42	0.44	0.45	0.46	0.44	0.43	0.41	0.42	0.43	0.46	0.46	0.46	1.15	1.12	1.09	1.05	1.00	0.94	0.92
100	0.63	0.66	0.67	0.68	0.67	0.66	0.63	0.64	0.65	0.68	0.68	0.69	1.63	1.60	1.57	1.51	1.44	1.39	1.35
105	0.92	0.94	0.96	0.98	0.97	0.96	0.94	0.94	0.96	0.99	0.99	1.00	2.26	2.21	2.14	2.08	1.99	1.93	1.91
110	1.28	1.31	1.33	1.35	1.34	1.32	1.32	1.32	1.34	1.36	1.37	1.38	2.97	2.91	2.83	2.75	2.67	2.61	2.58
115	1.68	1.73	1.75	1.77	1.78	1.77	1.76	1.76	1.78	1.80	1.81	1.82	3.70	3.63	3.55	3.47	3.39	3.34	3.32
120	2.15	2.19	2.22	2.25	2.26	2.25	2.24	2.25	2.26	2.28	2.29	2.30	4.40	4.33	4.25	4.18	4.10	4.06	4.04
125	2.65	2.68	2.72	2.74	2.76	2.77	2.76	2.75	2.76	2.79	2.79	2.80	5.06	4.99	4.92	4.85	4.80	4.76	4.74
130	3.15	3.19	3.22	3.26	3.27	3.29	3.27	3.27	3.27	3.30	3.30	3.31	5.67	5.61	5.55	5.50	5.45	5.41	5.42
135	3.68	3.72	3.76	3.82	3.82	3.83	3.81	3.82	3.81	3.85	3.85	3.86	6.24	6.18	6.14	6.09	6.06	6.02	6.04
140	4.28	4.32	4.37	4.43	4.42	4.42	4.40	4.41	4.42	4.45	4.45	4.45	6.77	6.72	6.69	6.64	6.62	6.59	6.61
145	4.89	4.95	5.00	5.06	5.04	5.03	5.02	5.03	5.05	5.09	5.08	5.08	7.27	7.23	7.20	7.17	7.15	7.12	7.14
150	5.58	5.65	5.71	5.76	5.74	5.75	5.73	5.75	5.77	5.81	5.81	5.79	7.77	7.72	7.71	7.67	7.65	7.63	7.65
155	6.35	6.42	6.47	6.50	6.52	6.52	6.51	6.53	6.56	6.59	6.60	6.58	8.22	8.17	8.16	8.11	8.09	8.07	8.09
160	7.16	7.24	7.29	7.34	7.37	7.37	7.37	7.40	7.43	7.46	7.45	7.41	8.67	8.62	8.62	8.57	8.55	8.53	8.55
165	7.98	8.05	8.10	8.16	8.18	8.21	8.21	8.25	8.26	8.30	8.28	8.24	9.11	9.06	9.07	9.03	9.02	8.98	9.00
170	8.67	8.74	8.78	8.88	8.90	8.95	8.95	8.98	8.97	8.98	8.93	8.91	9.43	9.40	9.42	9.43	9.44	9.42	9.42
175	8.98	9.05	9.06	9.15	9.17	9.23	9.20	9.23	9.21	9.25	9.18	9.20	9.38	9.44	9.42	9.50	9.45	9.51	9.47
180	9.24	9.26	9.29	9.36	9.37	9.40	9.39	9.44	9.44	9.43	9.37	9.38	9.28	9.30	9.30	9.38	9.38	9.43	9.42

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:Qin Meng  
 Test Date:2022-07-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:8.540m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.6880A P:149.9W PF:0.9900 Lamp Flux:19569.8x1 lm		
NAME: LED Explosion Proof Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:280*190mm	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345															
0	9649	9647	9644	9644	9643															
5	9615	9619	9628	9638	9650															
10	9602	9620	9636	9648	9658															
15	9559	9580	9598	9618	9633															
20	9468	9481	9493	9519	9532															
25	9234	9238	9243	9272	9289															
30	8729	8744	8729	8764	8773															
35	7833	7868	7853	7895	7886															
40	6532	6580	6549	6617	6614															
45	4839	5063	5034	5113	5094															
50	3443	3512	3668	3722	3620															
55	2275	2448	2468	2519	2457															
60	1460	1520	1529	1644	1549															
65	854	902	905	972	920															
70	433	486	496	530	493															
75	199	232	240	258	252															
80	66.9	81.7	83.0	99.4	97.0															
85	29.5	29.6	29.0	30.1	28.7															
90	0.78	0.74	0.81	0.76	0.82															
95	0.93	0.97	1.00	1.03	1.04															
100	1.36	1.39	1.46	1.47	1.49															
105	1.92	1.96	2.01	2.03	2.07															
110	2.60	2.63	2.66	2.69	2.73															
115	3.33	3.34	3.39	3.41	3.46															
120	4.06	4.07	4.11	4.13	4.17															
125	4.76	4.78	4.80	4.82	4.85															
130	5.42	5.44	5.46	5.47	5.50															
135	6.04	6.06	6.08	6.08	6.09															
140	6.61	6.64	6.65	6.65	6.65															
145	7.14	7.18	7.19	7.18	7.19															
150	7.66	7.68	7.68	7.69	7.70															
155	8.10	8.12	8.12	8.15	8.16															
160	8.56	8.58	8.58	8.60	8.62															
165	9.00	9.02	9.02	9.05	9.05															
170	9.38	9.41	9.38	9.42	9.42															
175	9.50	9.46	9.47	9.45	9.51															
180	9.44	9.45	9.44	9.40	9.41															

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:Qin Meng  
 Test Date:2022-07-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:8.540m [K=1.0000]  
 Remarks: