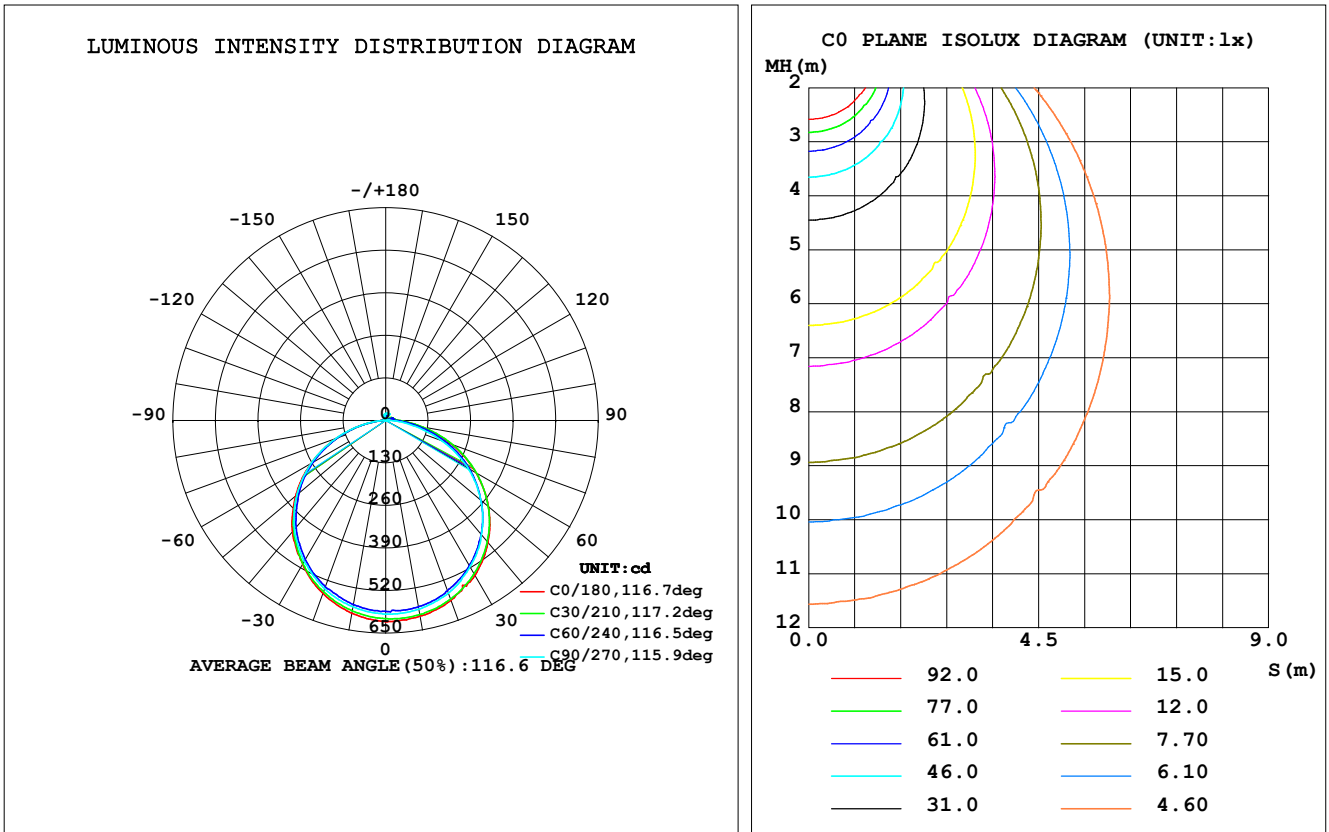


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:0.6536A P:15.69W PF:1.000 Lamp Flux:1854.89x1 lm		
NAME: EKF5116HL90	SUR.:0.1*1	SERIAL No.:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 114.70 lm/W			
MODEL	EKF5116HL90	Imax(cd)	623.4	S/MH(C0/180)	1.24
NOMINAL POWER(W)	16	LOR(%)	97.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1799.2	η UP,DN(C0-180)	1.3,49.4
NOMINAL FLUX(lm)	1854.89	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.2,45.1
LAMPS INSIDE	1	η up(%)	2.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down(%)	94.5	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 24.7DEG
 Operators: Hu Cong
 Test Date: 2021-04-16

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Humidity: 54.2%
 Test Distance: 10.149m [K=1.0000]
 Remarks: standard: GB/T 9468-2008

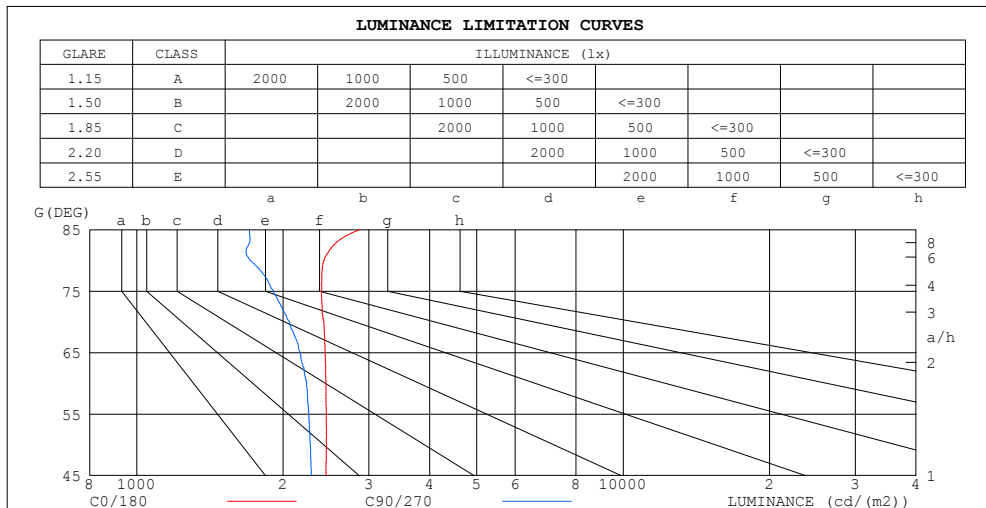
Checker: Hucong

Assessor: Chunbo Zhou

ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	612.0	602.0	590.8	570.9	608.9	597.0	587.3	568.8	0- 5	14.06	14.06	0.78,0.76
10	606.4	597.1	585.4	564.7	598.0	587.1	578.3	561.6	5- 10	41.76	55.82	3.1,3.01
15	598.5	585.5	575.3	553.3	582.2	572.8	565.1	548.7	10- 15	68.11	123.9	6.89,6.68
20	584.7	569.5	561.0	537.7	562.0	554.3	546.9	531.2	15- 20	92.23	216.2	12,11.7
25	556.4	553.1	541.8	518.5	538.0	530.8	523.5	508.8	20- 25	113.5	329.6	18.3,17.8
30	546.3	532.1	515.9	494.3	508.1	503.2	497.8	485.9	25- 30	131.1	460.7	25.6,24.8
35	518.9	505.8	488.9	465.7	476.9	471.4	467.2	454.9	30- 35	144.5	605.2	33.6,32.6
40	486.8	475.1	455.3	431.4	443.3	436.1	434.0	421.7	35- 40	153.2	758.4	42.2,40.9
45	451.3	440.8	420.1	393.6	402.3	396.9	395.3	385.2	40- 45	157.0	915.4	50.9,49.3
50	410.3	399.6	380.2	354.8	359.4	354.6	354.1	345.6	45- 50	155.5	1071	59.5,57.7
55	365.7	357.6	336.6	311.4	313.2	309.0	309.5	301.2	50- 55	149.1	1220	67.8,65.8
60	318.3	312.4	290.1	264.5	264.1	260.9	263.2	256.4	55- 60	137.6	1358	75.5,73.2
65	268.0	263.7	238.1	216.4	213.1	209.7	213.7	207.1	60- 65	121.5	1479	82.2,79.7
70	215.3	212.6	183.1	166.4	160.8	157.3	162.7	158.5	65- 70	100.8	1580	87.8,85.2
75	161.5	160.2	128.5	116.8	109.1	106.1	111.4	114.6	70- 75	76.86	1657	92.1,89.3
80	109.5	109.0	77.24	69.52	61.51	58.69	62.48	67.95	75- 80	52.50	1709	95,92.1
85	65.21	65.31	38.65	32.35	25.43	22.22	22.57	25.91	80- 85	29.80	1739	96.7,93.8
90	35.96	38.22	7.112	13.94	6.825	4.763	1.222	9.483	85- 90	13.40	1752	97.4,94.5
95	21.56	27.50	9.764	10.72	0.4240	0.5093	0.4172	1.283	90- 95	5.988	1758	97.7,94.8
100	14.73	24.81	1.414	12.02	0.5061	0.5906	0.6225	1.739	95-100	4.385	1763	98,95
105	10.10	22.68	0.6018	8.095	0.6707	0.8340	0.8353	3.463	100-105	3.832	1767	98.2,95.2
110	6.495	20.75	0.7039	1.460	0.8559	1.039	1.089	5.776	105-110	3.605	1770	98.4,95.4
115	4.319	3.171	0.9021	1.143	1.067	1.258	1.382	8.445	110-115	2.677	1773	98.5,95.6
120	2.348	1.136	1.121	1.190	1.273	1.550	2.267	11.37	115-120	2.357	1775	98.7,95.7
125	1.497	1.341	1.326	1.361	1.491	1.812	3.271	14.14	120-125	2.116	1777	98.8,95.8
130	1.702	1.559	1.517	1.566	1.662	2.147	3.930	16.97	125-130	2.231	1780	98.9,95.9
135	1.877	1.772	1.685	1.765	1.827	2.359	6.837	19.46	130-135	2.389	1782	99,96.1
140	1.990	1.950	1.912	1.942	1.963	2.495	10.33	21.47	135-140	2.481	1785	99.2,96.2
145	2.141	2.093	1.997	5.050	2.093	2.625	12.51	22.01	140-145	2.417	1787	99.3,96.3
150	2.222	2.216	21.81	7.308	2.230	2.740	14.30	23.26	145-150	2.519	1789	99.5,96.5
155	2.369	2.333	22.10	9.585	2.347	2.772	15.96	24.48	150-155	2.758	1792	99.6,96.6
160	2.448	12.27	22.26	13.69	2.483	2.974	17.41	25.48	155-160	2.400	1795	99.7,96.8
165	2.577	11.62	22.23	15.72	2.606	3.275	18.69	25.86	160-165	1.942	1797	99.9,96.9
170	2.669	10.97	22.01	18.24	2.701	4.376	19.85	24.43	165-170	1.477	1798	99.9,96.9
175	2.790	10.14	21.66	21.64	2.770	5.163	20.78	23.62	170-175	0.9033	1799	100,97
180	2.797	8.309	21.16	22.79	2.797	5.950	21.51	23.05	175-180	0.3099	1799	100,97
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2878	1706
80	2426	1711
75	2400	1909
70	2422	2059
65	2439	2167
60	2448	2231
55	2452	2257
50	2455	2275
45	2455	2285

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:24.7DEG
Operators:Hu Cong
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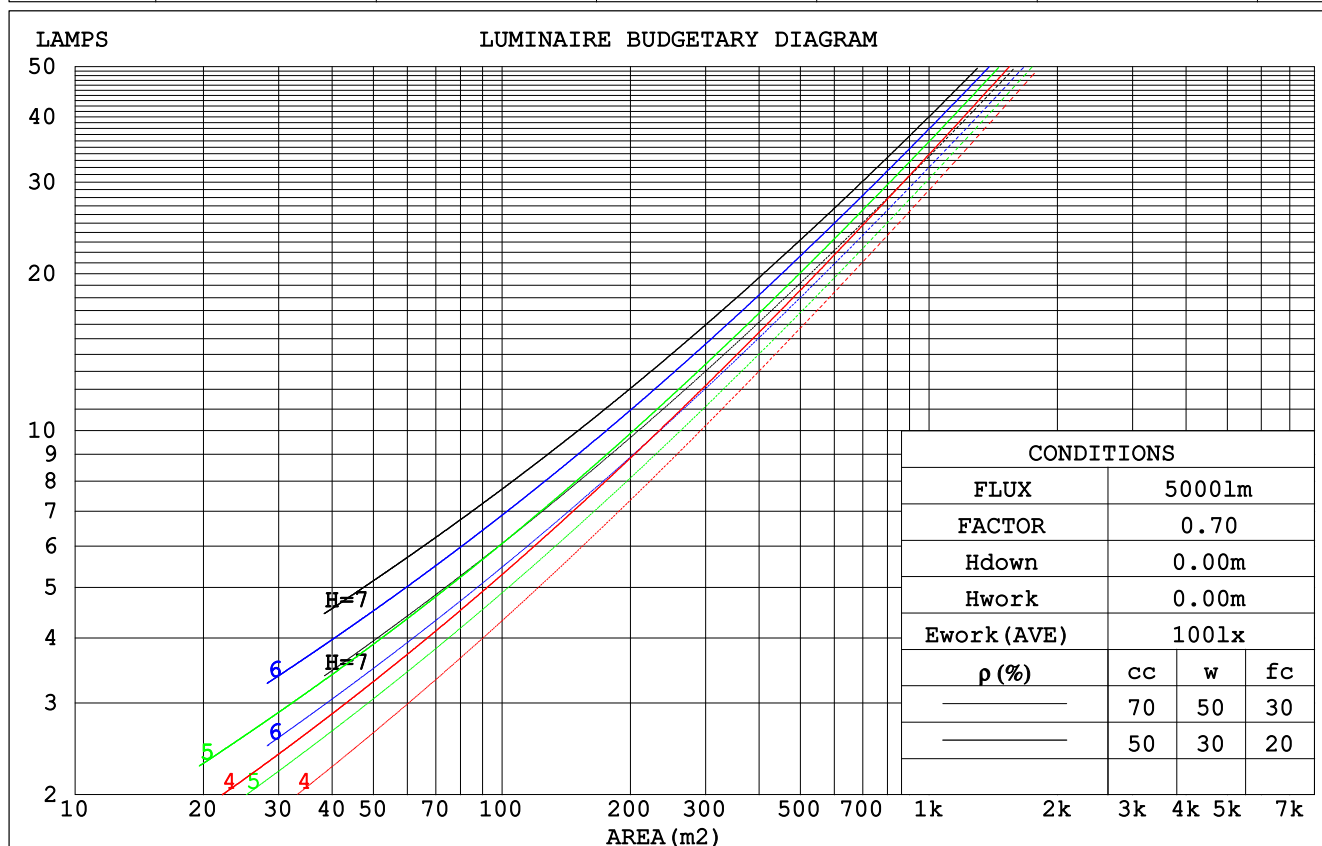
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Humidity:54.2%
Test Distance:10.149m [K=1.0000]
Remarks: standard: GB/T 9468-2008

Checker: Hucong

Assessor: Chunbo Zhou

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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						Coefficients of Utilization(CU)									
0.0	1.15	1.15	1.15	1.12	1.12	1.12	1.06	1.06	1.06	1.01	1.01	1.01	.97	.97	.97	.94
1.0	.00	.95	.92	.97	.93	.90	.93	.89	.87	.88	.86	.83	.85	.82	.81	.78
2.0	.87	.80	.74	.85	.78	.73	.81	.75	.71	.77	.73	.69	.74	.70	.67	.65
3.0	.76	.68	.61	.74	.67	.61	.71	.64	.59	.68	.62	.58	.65	.60	.57	.54
4.0	.67	.58	.52	.66	.58	.51	.63	.56	.50	.60	.54	.49	.58	.53	.48	.46
5.0	.60	.51	.44	.59	.50	.44	.56	.49	.43	.54	.48	.43	.52	.46	.42	.40
6.0	.54	.45	.39	.53	.44	.38	.51	.43	.38	.49	.42	.37	.47	.41	.37	.35
7.0	.49	.40	.34	.48	.40	.34	.46	.39	.33	.44	.38	.33	.43	.37	.33	.31
8.0	.44	.36	.30	.44	.36	.30	.42	.35	.30	.41	.34	.29	.39	.33	.29	.27
9.0	.41	.33	.27	.40	.32	.27	.39	.32	.27	.37	.31	.27	.36	.30	.26	.24
10.0	.37	.30	.25	.37	.29	.25	.36	.29	.24	.35	.28	.24	.34	.28	.24	.22



C Range: 0 - 360DEG
 C Interval: 15.0DEG
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γ Range: 0 - 180DEG
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 Humidity: 54.2%
 Test Distance: 10.149m [K=1.0000]
 Remarks: standard: GB/T 9468-2008

Checker: Hucong

Assessor: Chunbo Zhou

WEC AND CCEC

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 Coeffcients (WEC)										
0.0																	
1.0	.308	.175	.056	.301	.171	.054	.286	.164	.052	.273	.157	.051	.261	.151	.049		
2.0	.288	.158	.048	.281	.155	.048	.268	.149	.046	.256	.144	.045	.245	.139	.044		
3.0	.265	.141	.042	.259	.139	.042	.248	.134	.041	.237	.130	.040	.227	.126	.039		
4.0	.244	.127	.037	.239	.125	.037	.229	.121	.036	.219	.118	.035	.210	.114	.035		
5.0	.225	.115	.033	.220	.113	.033	.211	.110	.032	.203	.107	.032	.195	.104	.031		
6.0	.208	.105	.030	.204	.103	.030	.196	.101	.029	.189	.098	.029	.182	.096	.028		
7.0	.194	.096	.027	.190	.095	.027	.183	.092	.027	.176	.090	.026	.170	.088	.026		
8.0	.181	.088	.025	.177	.087	.025	.171	.085	.024	.165	.083	.024	.159	.082	.024		
9.0	.169	.082	.023	.166	.081	.023	.160	.079	.022	.155	.078	.022	.150	.076	.022		
10.0	.159	.076	.021	.156	.076	.021	.151	.074	.021	.146	.072	.021	.141	.071	.020		

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	.204	.204	.204	.174	.174	.174	.119	.119	.119	.068	.068	.068	.022	.022	.022	
1.0	.195	.171	.149	.167	.147	.128	.114	.101	.089	.066	.058	.052	.021	.019	.017	
2.0	.187	.147	.114	.160	.127	.099	.110	.088	.069	.063	.051	.040	.020	.017	.013	
3.0	.180	.130	.091	.154	.113	.079	.106	.078	.055	.061	.046	.033	.020	.015	.011	
4.0	.172	.118	.076	.148	.102	.066	.102	.071	.046	.059	.042	.027	.019	.014	.009	
5.0	.165	.108	.065	.142	.093	.057	.098	.065	.040	.057	.038	.024	.018	.012	.008	
6.0	.158	.100	.058	.136	.086	.050	.094	.060	.035	.054	.036	.021	.018	.012	.007	
7.0	.152	.093	.052	.130	.081	.045	.090	.057	.032	.052	.033	.019	.017	.011	.006	
8.0	.145	.087	.048	.125	.076	.042	.087	.053	.029	.050	.031	.018	.016	.010	.006	
9.0	.139	.083	.044	.120	.072	.039	.083	.050	.027	.048	.030	.016	.016	.010	.005	
10.0	.134	.079	.042	.115	.068	.036	.080	.048	.026	.047	.028	.015	.015	.009	.005	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:24.7DEG
 Operators:Hu Cong
 Test Date:2021-04-16

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Humidity:54.2%
 Test Distance:10.149m [K=1.0000]
 Remarks: standard: GB/T 9468-2008

Checker: Hucong

Assessor: Chunbo Zhou

UGR(Unified Glare Rating) Table

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	16.4	17.9	16.7	18.1	18.4	15.8	17.3	16.1	17.6	17.8
3H	18.1	19.5	18.5	19.8	20.1	17.4	18.8	17.8	19.1	19.4
4H	18.9	20.2	19.2	20.5	20.8	18.1	19.4	18.5	19.7	20.0
6H	19.5	20.8	19.9	21.1	21.4	18.6	19.8	19.0	20.2	20.5
8H	19.8	21.0	20.2	21.3	21.7	18.8	20.0	19.1	20.3	20.6
12H	20.0	21.2	20.4	21.5	21.9	18.9	20.0	19.3	20.4	20.7
4H 2H	17.0	18.3	17.4	18.6	18.9	16.6	17.9	16.9	18.2	18.5
3H	19.0	20.1	19.4	20.5	20.8	18.4	19.6	18.8	19.9	20.3
4H	19.9	21.0	20.3	21.3	21.7	19.2	20.3	19.6	20.6	21.0
6H	20.7	21.6	21.1	22.0	22.5	19.9	20.8	20.3	21.2	21.6
8H	21.0	21.9	21.5	22.3	22.8	20.1	21.0	20.6	21.4	21.8
12H	21.3	22.2	21.8	22.6	23.0	20.3	21.1	20.7	21.5	22.0
8H 4H	20.2	21.1	20.7	21.5	22.0	19.6	20.5	20.1	20.9	21.4
6H	21.2	22.0	21.7	22.4	22.9	20.5	21.2	21.0	21.7	22.1
8H	21.7	22.3	22.2	22.8	23.3	20.8	21.5	21.3	22.0	22.5
12H	22.2	22.7	22.7	23.2	23.7	21.1	21.7	21.7	22.2	22.7
12H 4H	20.3	21.1	20.7	21.5	22.0	19.7	20.5	20.2	20.9	21.4
6H	21.3	22.0	21.8	22.4	22.9	20.6	21.3	21.1	21.7	22.2
8H	21.9	22.4	22.4	22.9	23.4	21.1	21.6	21.6	22.1	22.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.4				

CIE Pub.117 Corrected 1855 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.1)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:24.7DEG
Operators:Hu Cong
Test Date:2021-04-16

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Humidity:54.2%
Test Distance:10.149m [K=1.0000]
Remarks: standard: GB/T 9468-2008

Checker: Hucong

Assessor: Chunbo Zhou

UTILIZATION FACTORS TABLE

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) $k(RI) \times RCR = 5$									
$k = 0.60$	54	43	36	54	43	36	52	42	36	29
0.80	64	53	45	63	52	45	61	51	45	38
1.00	72	61	54	71	60	54	68	62	53	46
1.25	79	69	61	77	68	61	75	66	60	53
1.50	84	74	67	82	73	66	79	71	65	58
2.00	91	82	76	89	81	75	85	78	73	65
2.50	95	87	81	92	85	80	88	82	78	69
3.00	98	91	85	96	89	84	91	86	82	73
4.00	102	96	91	99	94	90	95	91	87	78
5.00	104	99	95	102	97	94	97	93	90	81
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

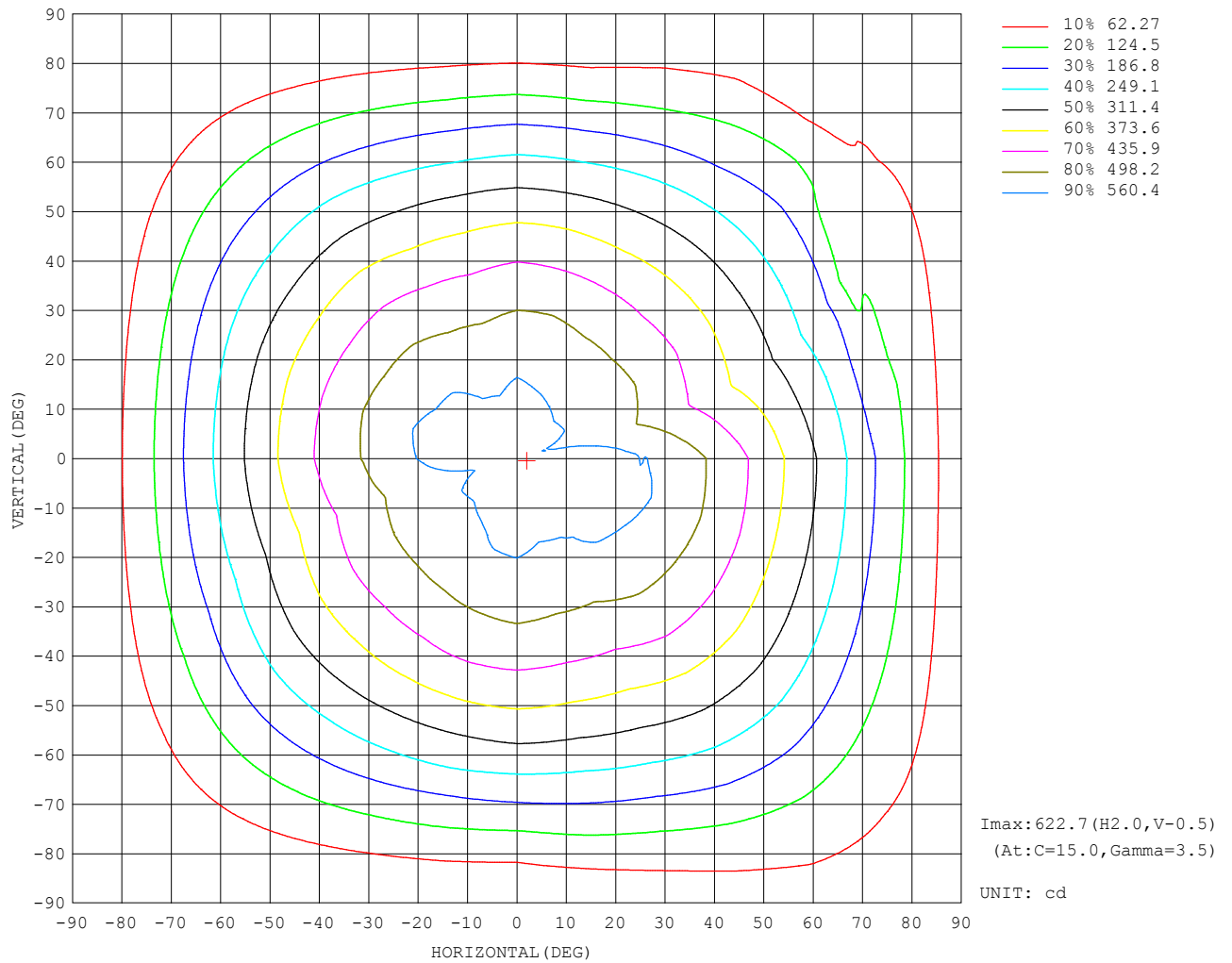
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γ Range: 0 - 180DEG
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 Humidity: 54.2%
 Test Distance: 10.149m [K=1.0000]
 Remarks: standard: GB/T 9468-2008

Assessor: Chunbo Zhou

ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 24.7DEG
Operators: Hu Cong
Test Date: 2021-04-16

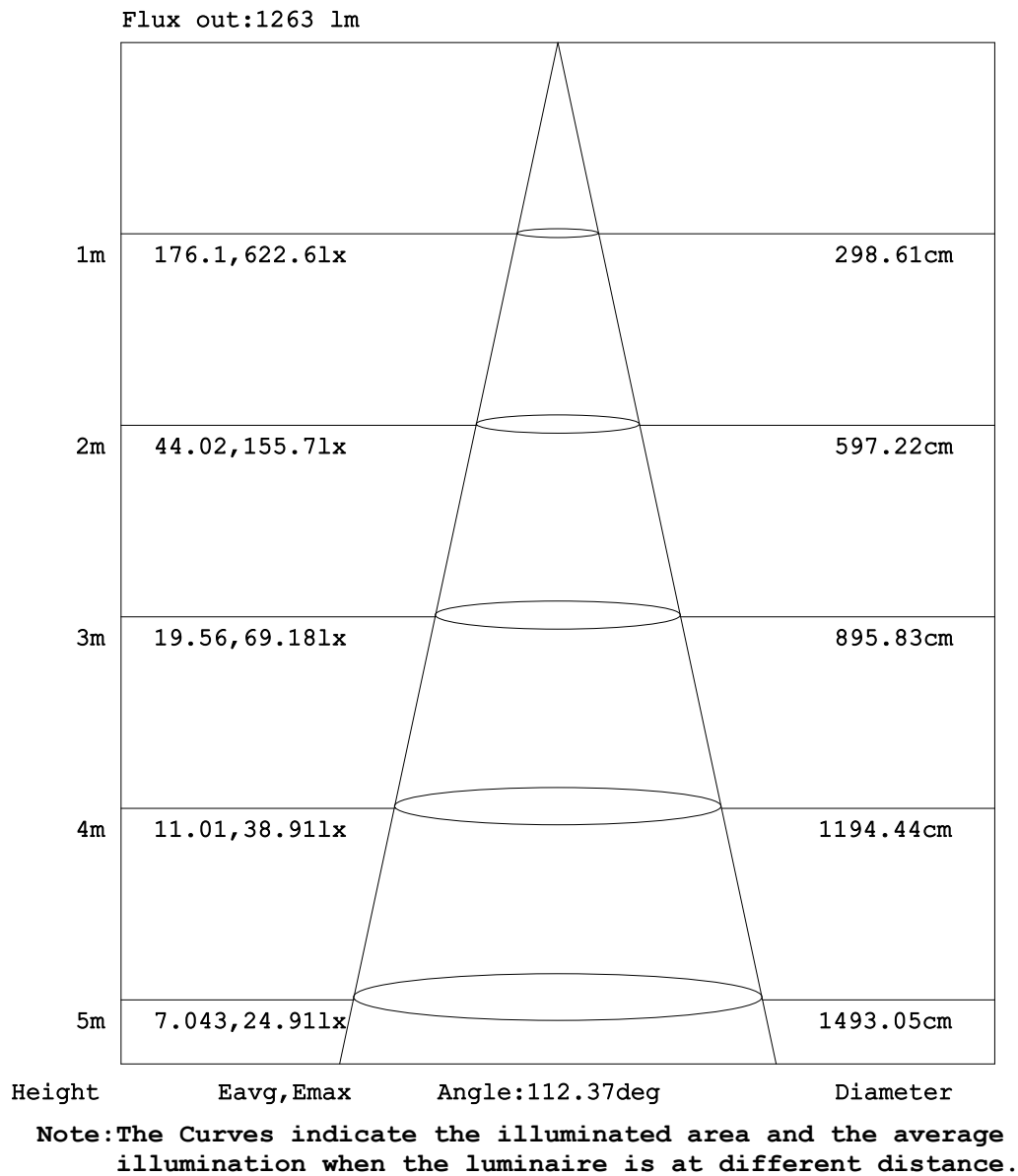
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG

Humidity: 54.2%
Test Distance: 10.149m [K=1.0000]
Remarks: standard: GB/T 9468-2008

Checker: Hucong

Assessor: Chunbo Zhou

AAI Figure



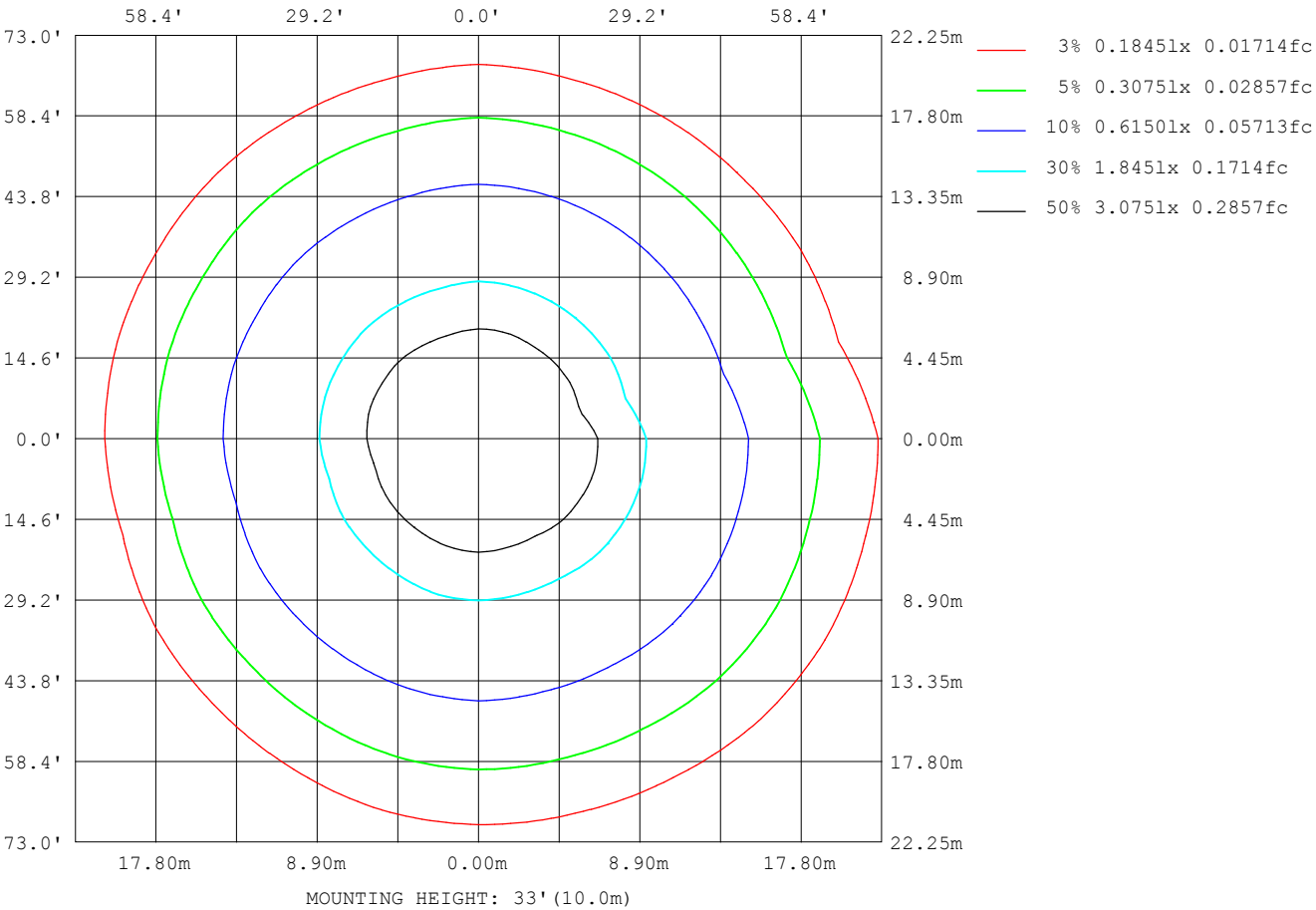
C Range: 0 - 360DEG
 C Interval: 15.0DEG
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γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Humidity:54.2%
 Test Distance:10.149m [K=1.0000]
 Remarks: standard: GB/T 9468-2008

Checker: Hucong

Assessor: Chunbo Zhou

ISOLUX DIAGRAM



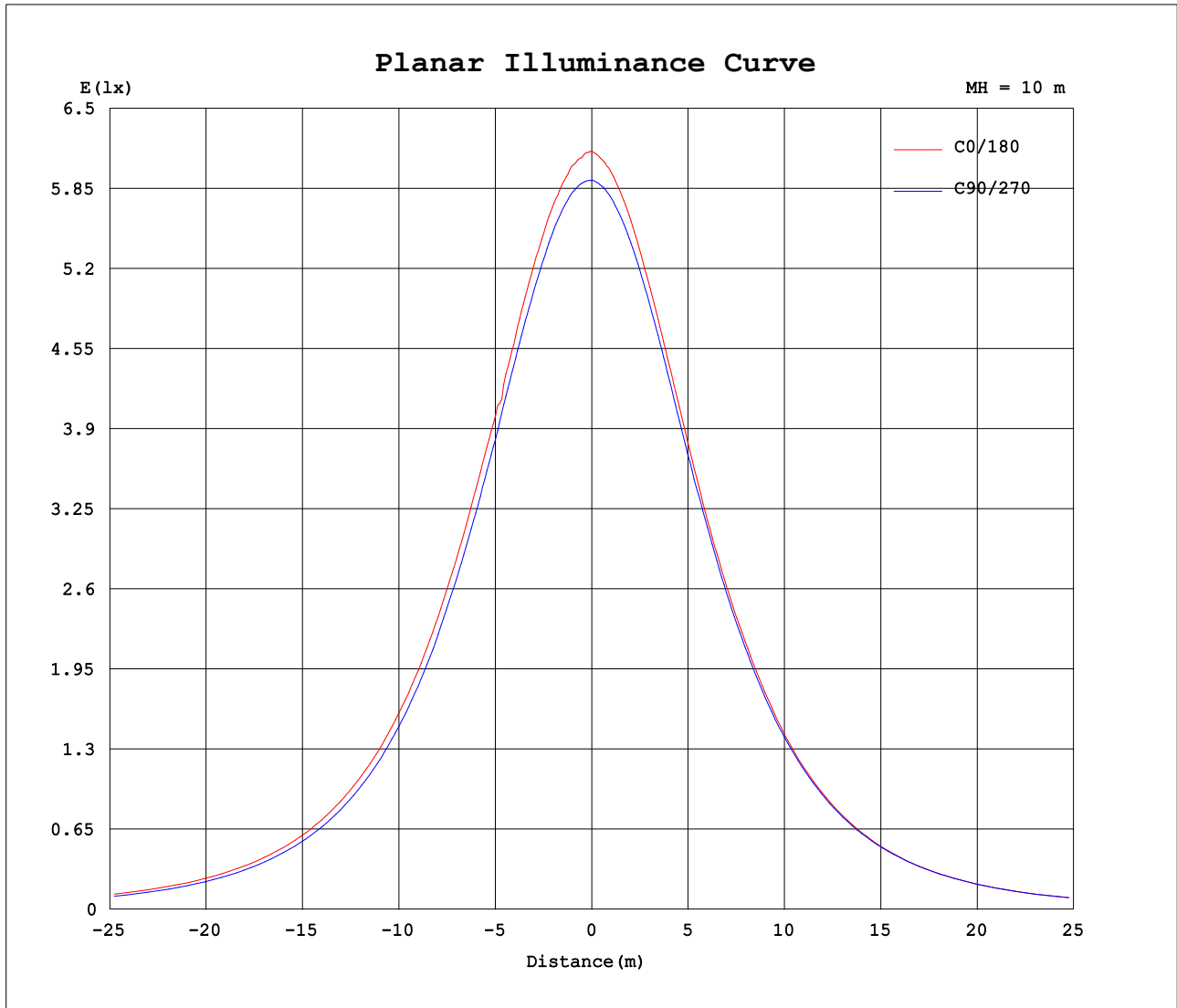
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:24.7DEG
Operators:Hu Cong
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γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Humidity:54.2%
Test Distance:10.149m [K=1.0000]
Remarks: standard: GB/T 9468-2008

Checker: Hucong

Assessor: Chunbo Zhou

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 24.7DEG
Operators: Hu Cong
Test Date: 2021-04-16

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG

Humidity: 54.2%
Test Distance: 10.149m [K=1.0000]
Remarks: standard: GB/T 9468-2008

Checker: Hucong

Assessor: Chunbo Zhou

LUMINOUS DISTRIBUTION INTENSITY DATA

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	615	623	606	602	583	581	592	585	575	572	575	564	615	623	606	602	583	581	592
5	612	623	606	602	582	581	591	585	575	571	573	564	609	616	601	597	580	577	587
10	606	619	602	597	578	576	585	582	572	565	566	558	598	606	591	587	571	568	578
15	598	609	594	585	569	567	575	569	559	553	555	546	582	590	576	573	557	555	565
20	585	595	581	570	554	553	561	557	543	538	539	532	562	569	557	554	540	537	547
25	556	575	563	553	535	534	542	534	523	518	518	512	538	544	534	531	518	514	524
30	546	552	541	532	512	510	516	512	499	494	493	486	508	514	506	503	491	488	498
35	519	523	514	506	485	483	489	482	471	466	464	456	477	481	474	471	459	457	467
40	487	490	483	475	454	452	455	453	438	431	431	423	443	444	438	436	427	423	434
45	451	453	449	441	420	417	420	415	403	394	393	383	402	404	397	397	386	386	395
50	410	411	409	400	380	376	380	372	362	355	352	342	359	360	354	355	347	346	354
55	366	365	366	358	339	333	337	328	317	311	309	298	313	314	308	309	303	303	310
60	318	318	320	312	296	288	290	281	272	264	262	252	264	265	260	261	256	256	263
65	268	267	271	264	249	240	238	233	223	216	214	203	213	213	209	210	207	206	214
70	215	215	218	213	198	191	183	176	171	166	161	154	161	160	158	157	157	157	163
75	162	161	165	160	148	142	128	127	121	117	112	105	109	108	107	106	106	106	111
80	110	110	113	109	99.6	92.7	77.2	78.5	73.9	69.5	65.2	60.1	61.5	60.0	59.7	58.7	59.2	59.3	62.5
85	65.2	64.4	69.6	65.3	57.3	49.7	38.7	37.4	34.7	32.3	29.8	27.3	25.4	24.2	23.5	22.2	21.9	21.5	22.6
90	36.0	35.5	41.9	38.2	31.7	24.7	7.11	14.4	14.9	13.9	11.7	10.4	6.83	6.27	5.76	4.76	3.84	2.52	1.22
95	21.6	20.7	29.7	27.5	23.9	17.9	9.76	5.10	12.8	10.7	7.14	5.11	0.42	0.47	0.48	0.51	0.47	0.46	0.42
100	14.7	14.8	26.0	24.8	22.2	16.7	1.41	0.45	6.96	12.0	9.21	6.34	0.51	0.49	0.53	0.59	0.66	0.60	0.62
105	10.1	11.3	23.2	22.7	21.3	17.9	0.60	0.58	0.93	8.10	11.3	8.10	0.67	0.63	0.71	0.83	0.88	0.83	0.84
110	6.50	8.23	20.8	20.8	20.9	1.92	0.70	1.48	0.84	1.46	9.49	10.6	0.86	0.82	0.91	1.04	1.16	1.08	1.09
115	4.32	5.58	19.4	3.17	0.89	0.94	0.90	0.94	0.96	1.14	2.76	11.4	1.07	1.06	1.14	1.26	1.46	1.39	1.38
120	2.35	3.95	18.0	1.14	1.05	1.14	1.12	1.14	1.11	1.19	1.76	7.53	1.27	1.26	1.36	1.55	1.76	2.00	2.27
125	1.50	3.12	1.40	1.34	1.27	1.34	1.33	1.37	1.33	1.36	1.55	2.39	1.49	1.49	1.57	1.81	2.03	2.99	3.27
130	1.70	1.83	1.52	1.56	1.46	1.54	1.52	1.55	4.30	1.57	1.56	1.98	1.66	1.70	1.79	2.15	2.29	4.14	3.93
135	1.88	1.81	1.72	1.77	1.70	1.74	1.68	2.37	7.79	1.77	1.78	1.91	1.83	1.81	1.97	2.36	2.47	5.91	6.84
140	1.99	1.99	1.92	1.95	1.88	1.90	1.91	2.80	9.06	1.94	1.94	2.15	1.96	1.97	2.15	2.50	2.59	7.21	10.3
145	2.14	2.15	2.05	2.09	1.97	2.03	2.00	3.34	12.4	5.05	2.15	2.24	2.09	2.14	2.28	2.63	2.63	8.22	12.5
150	2.22	2.29	2.16	2.22	2.13	21.4	21.8	17.2	13.6	7.31	2.20	2.37	2.23	2.23	2.42	2.74	2.97	10.7	14.3
155	2.37	2.39	2.35	2.33	17.6	20.7	22.1	13.4	17.1	9.58	2.35	2.46	2.35	2.37	2.52	2.77	3.65	12.5	16.0
160	2.45	2.50	2.37	12.3	17.2	19.6	22.3	7.35	17.7	13.7	2.41	2.54	2.48	2.44	2.61	2.97	4.59	13.5	17.4
165	2.58	2.60	3.02	11.6	16.8	18.5	22.2	9.76	20.7	15.7	6.18	2.62	2.61	2.58	2.68	3.28	6.74	14.6	18.7
170	2.67	2.69	4.62	11.0	16.1	17.6	22.0	14.2	22.1	18.2	10.3	2.68	2.70	2.64	2.70	4.38	7.92	15.4	19.9
175	2.79	2.75	3.81	10.1	15.4	16.8	21.7	18.6	22.3	21.6	14.6	2.75	2.77	2.69	2.71	5.16	9.52	16.3	20.8
180	2.80	2.80	3.45	8.31	14.4	16.1	21.2	20.5	23.0	22.8	19.0	3.08	2.80	2.80	2.71	5.95	12.4	17.3	21.5

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:24.7DEG
Operators:Hu Cong
Test Date:2021-04-16

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Humidity:54.2%
Test Distance:10.149m [K=1.0000]
Remarks: standard: GB/T 9468-2008

Checker: Hucong

Assessor: Chunbo Zhou

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345													
0	585	575	572	575	564													
5	584	571	569	572	560													
10	574	566	562	563	551													
15	558	552	549	551	538													
20	541	535	531	532	521													
25	520	513	509	513	499													
30	497	486	486	486	473													
35	464	457	455	455	444													
40	429	424	422	423	411													
45	389	385	385	383	376													
50	352	346	346	344	344													
55	305	303	301	301	307													
60	259	257	256	256	258													
65	207	208	207	214	212													
70	156	159	159	168	128													
75	104	108	115	116	94.2													
80	57.5	66.1	68.0	49.1	70.3													
85	22.0	27.3	25.9	36.8	40.2													
90	3.49	7.20	9.48	12.8	17.2													
95	0.75	0.72	1.28	3.26	8.58													
100	1.15	0.88	1.74	4.39	10.5													
105	2.22	1.83	3.46	6.79	13.3													
110	4.09	3.18	5.78	9.33	16.4													
115	6.48	6.32	8.44	12.0	19.6													
120	8.93	7.63	11.4	15.0	22.6													
125	11.3	11.6	14.1	17.9	25.3													
130	13.8	14.3	17.0	20.2	25.9													
135	16.0	18.1	19.5	22.5	25.1													
140	18.1	20.6	21.5	23.6	24.0													
145	19.7	22.5	22.0	23.6	21.3													
150	21.2	24.0	23.3	24.9	18.5													
155	22.2	25.3	24.5	24.5	15.4													
160	22.5	26.2	25.5	23.3	12.2													
165	22.6	26.1	25.9	23.6	9.52													
170	22.7	24.8	24.4	22.6	6.70													
175	22.7	23.9	23.6	19.9	3.83													
180	22.6	23.4	23.1	19.3	2.84													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:24.7DEG
Operators:Hu Cong
Test Date:2021-04-16

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Humidity:54.2%
Test Distance:10.149m [K=1.0000]
Remarks: standard: GB/T 9468-2008

Checker: Hucong

Assessor: Chunbo Zhou