

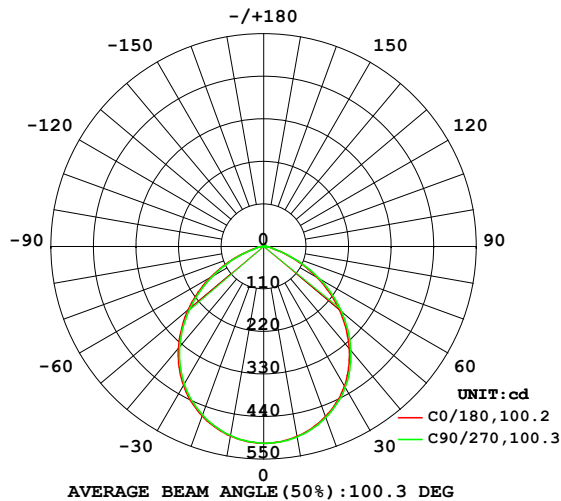
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

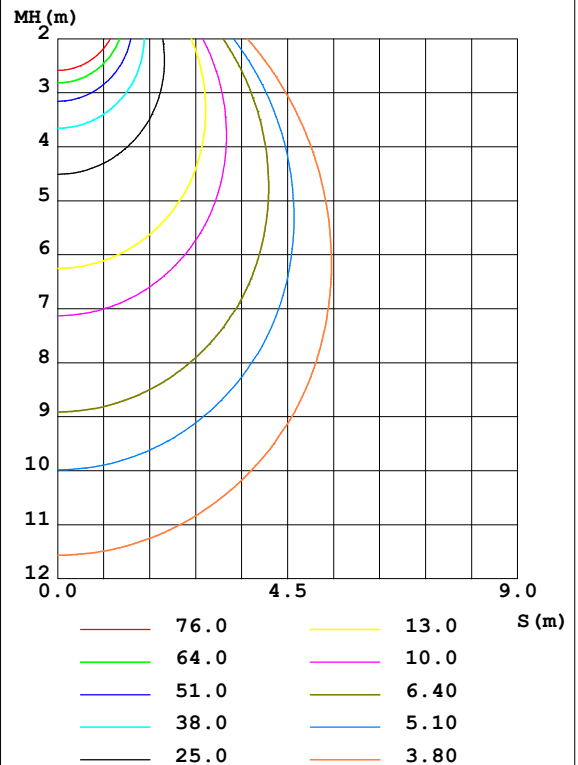
Test:U:120.00V I:0.1260A P:15.000W PF:0.9890 Freq:60.00Hz Lamp Flux:1218x1 lm		
NAME: ASD-JBR-DB-6D15BK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.1	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 81.20 lm/W
MODEL	ASD-JBR-DB-6D15BK	I _{max} (cd)	508.9	S/MH (C0/180)	1.22	
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	1.21	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1218.0	η UP, DN (C0-180)	0.9, 50.1	
NOMINAL FLUX (lm)	1218	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.8, 48.1	
LAMPS INSIDE	1	η up (%)	1.7	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	120.0	η down (%)	98.3	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-06-03

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.074m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	498.8	499.5	500.2	500.6	497.3	496.3	496.3	496.0	0- 10	48.05	48.05	3.95,3.95
20	468.0	470.4	470.7	470.8	466.2	464.1	463.5	463.5	10- 20	136.8	184.8	15.2,15.2
30	417.6	420.6	421.7	421.6	415.0	411.5	411.3	410.6	20- 30	204.5	389.4	32,32
40	344.7	349.5	350.8	351.8	343.3	338.0	337.7	336.7	30- 40	238.8	628.2	51.6,51.6
50	256.4	261.8	263.6	265.4	254.8	249.3	248.9	246.7	40- 50	232.1	860.3	70.6,70.6
60	159.3	162.4	165.6	166.5	155.5	152.5	149.1	149.2	50- 60	185.3	1046	85.8,85.8
70	63.50	67.66	68.19	69.62	62.14	58.05	56.64	55.25	60- 70	107.5	1153	94.7,94.7
80	17.95	19.08	17.51	19.53	16.20	16.17	15.97	15.78	70- 80	35.11	1188	97.6,97.6
90	2.442	2.420	2.418	2.507	1.318	1.352	1.385	1.354	80- 90	8.750	1197	98.3,98.3
100	2.738	2.723	2.699	2.707	1.848	1.868	1.892	1.880	90-100	2.262	1199	98.5,98.5
110	3.097	3.076	3.054	3.057	2.460	2.473	2.503	2.474	100-110	2.677	1202	98.7,98.7
120	3.443	3.413	3.405	3.388	3.078	3.082	3.122	3.085	110-120	2.989	1205	98.9,98.9
130	3.755	3.722	3.716	3.699	3.657	3.651	3.691	3.651	120-130	3.114	1208	99.2,99.2
140	4.078	4.053	4.038	4.024	4.185	4.181	4.216	4.169	130-140	3.018	1211	99.4,99.4
150	4.493	4.465	4.442	4.422	4.718	4.711	4.742	4.710	140-150	2.725	1214	99.6,99.6
160	5.024	4.978	4.977	4.952	5.252	5.213	5.258	5.209	150-160	2.236	1216	99.8,99.8
170	5.532	5.466	5.470	5.442	5.676	5.592	5.650	5.584	160-170	1.507	1217	100,100
180	5.822	5.746	5.773	5.727	5.822	5.749	5.773	5.725	170-180	0.5393	1218	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

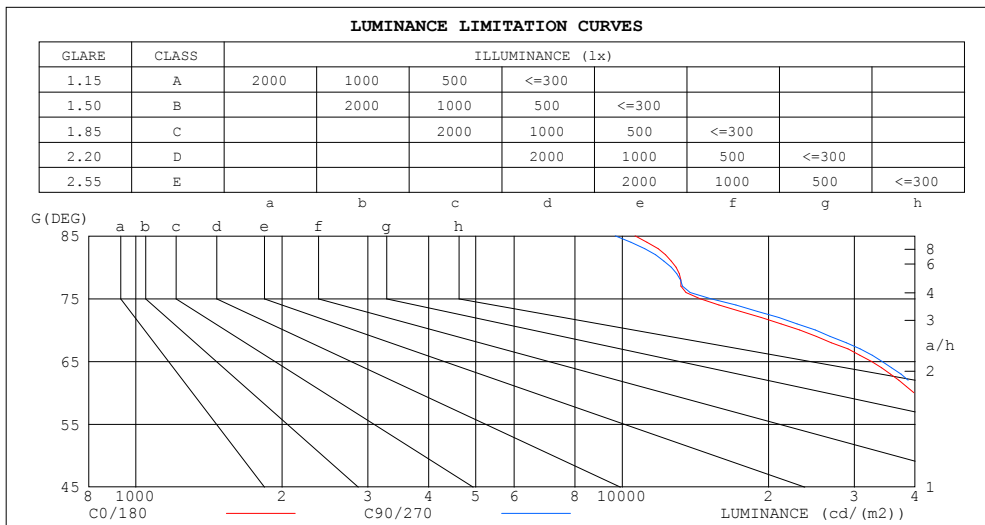
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-06-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.1260A P:15.000W PF:0.9890 Freq:60.00Hz Lamp Flux:1218x1 lm		
NAME: ASD-JBR-DB-6D15BK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.1	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	10633	9684
80	12899	12610
75	14444	15180
70	23173	24938
65	32536	34213
60	39767	41416
55	45337	46936
50	49780	51302
45	53332	54699

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-06-03

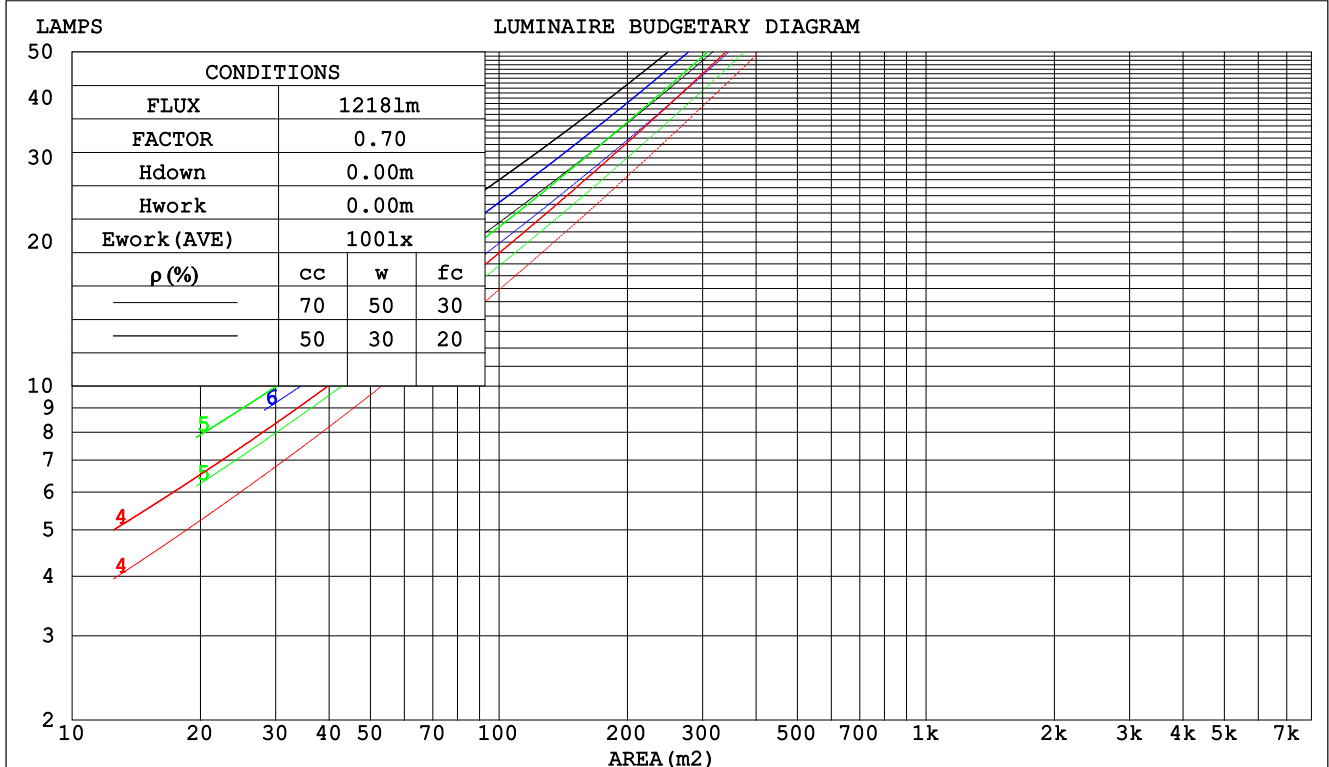
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.074m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.1260A P:15.000W PF:0.9890 Freq:60.00Hz Lamp Flux:1218x1 lm		
NAME: ASD-JBR-DB-6D15BK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.1	Shielding 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			Coefficients of Utilization(CU)												
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.06	1.02	.99	1.03	.90	.97	.99	.96	.94	.95	.92	.90	.91	.89	.87	.85
2.0	.94	.88	.82	.92	.86	.81	.88	.83	.79	.84	.81	.77	.81	.78	.75	.73
3.0	.83	.76	.70	.82	.75	.69	.78	.73	.68	.75	.71	.66	.73	.69	.65	.63
4.0	.74	.66	.60	.73	.65	.60	.70	.64	.59	.68	.62	.58	.65	.61	.57	.55
5.0	.67	.58	.52	.66	.58	.52	.63	.56	.51	.61	.55	.50	.59	.54	.50	.48
6.0	.60	.52	.46	.59	.51	.46	.57	.50	.45	.56	.49	.45	.54	.48	.44	.42
7.0	.55	.47	.41	.54	.46	.41	.52	.45	.40	.51	.45	.40	.49	.44	.39	.38
8.0	.50	.42	.37	.50	.42	.36	.48	.41	.36	.47	.40	.36	.45	.40	.36	.34
9.0	.46	.38	.33	.46	.38	.33	.44	.37	.33	.43	.37	.32	.42	.36	.32	.30
10.0	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.30	.39	.33	.29	.28



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-06-03

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.074m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Test:U:120.00V I:0.1260A P:15.000W PF:0.9890 Freq:60.00Hz Lamp Flux:1218x1 lm					
NAME: ASD-JBR-DB-6D15BK			TYPE:		WEIGHT:
SPEC.:5000K			DIM.:		SERIAL No.:
MFR.: ASD Lighting Corp			SUR.:0.1		Shielding 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	.266	.151	.048	.259	.147	.047	.244	.140	.045	.232	.134	.043	.220	.127	.041		
2.0	.257	.141	.043	.251	.138	.043	.238	.132	.041	.227	.127	.040	.216	.122	.039		
3.0	.243	.129	.039	.237	.127	.038	.226	.123	.037	.216	.118	.036	.207	.114	.035		
4.0	.228	.118	.035	.223	.116	.034	.213	.113	.034	.204	.110	.033	.196	.106	.032		
5.0	.213	.109	.031	.209	.107	.031	.200	.104	.031	.192	.101	.030	.184	.099	.030		
6.0	.200	.100	.029	.196	.099	.028	.188	.096	.028	.181	.094	.028	.174	.092	.027		
7.0	.187	.093	.026	.184	.091	.026	.177	.089	.026	.170	.087	.025	.164	.085	.025		
8.0	.176	.086	.024	.173	.085	.024	.166	.083	.024	.161	.081	.023	.155	.080	.023		
9.0	.166	.080	.022	.163	.079	.022	.157	.078	.022	.152	.076	.022	.147	.075	.022		
10.0	.157	.075	.021	.154	.074	.021	.149	.073	.021	.144	.071	.020	.139	.070	.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	.191	.170	.151	.163	.146	.130	.112	.100	.090	.064	.058	.052	.021	.019	.017	
2.0	.181	.145	.116	.155	.125	.100	.106	.087	.070	.061	.050	.041	.020	.016	.013	
3.0	.173	.128	.092	.148	.110	.079	.102	.076	.056	.059	.045	.033	.019	.014	.011	
4.0	.165	.114	.075	.142	.099	.065	.097	.069	.046	.056	.040	.027	.018	.013	.009	
5.0	.158	.103	.063	.136	.090	.055	.093	.063	.039	.054	.037	.023	.017	.012	.008	
6.0	.151	.095	.055	.130	.082	.048	.090	.058	.034	.052	.034	.020	.017	.011	.007	
7.0	.145	.088	.048	.124	.076	.042	.086	.054	.030	.050	.032	.018	.016	.010	.006	
8.0	.139	.082	.044	.119	.071	.038	.083	.050	.027	.048	.030	.016	.016	.010	.005	
9.0	.133	.077	.040	.114	.067	.035	.079	.047	.025	.046	.028	.015	.015	.009	.005	
10.0	.128	.073	.037	.110	.063	.032	.076	.045	.023	.044	.026	.014	.014	.009	.005	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-06-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

UGR(Unified Glare Rating) Table

Test:U:120.00V I:0.1260A P:15.000W PF:0.9890 Freq:60.00Hz Lamp Flux:1218x1 lm											
NAME: ASD-JBR-DB-6D15BK						TYPE:		WEIGHT:			
SPEC.:5000K						DIM.:		SERIAL No.:			
MFR.: ASD Lighting Corp						SUR.:0.1		Shielding 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	25.2	26.6	25.5	26.8	27.0	25.3	26.7	25.6	26.9	27.2	
	3H	25.8	27.1	26.2	27.4	27.6	26.0	27.3	26.3	27.6	27.8
	4H	25.9	27.1	26.3	27.4	27.7	26.1	27.3	26.4	27.6	27.9
	6H	25.9	27.1	26.3	27.4	27.7	26.1	27.3	26.5	27.6	27.9
	8H	25.9	27.0	26.3	27.3	27.7	26.1	27.2	26.5	27.5	27.8
	12H	25.9	27.0	26.3	27.3	27.6	26.1	27.1	26.5	27.5	27.8
4H	2H	25.6	26.8	25.9	27.0	27.3	25.7	26.9	26.0	27.2	27.4
	3H	26.3	27.4	26.7	27.7	28.0	26.5	27.5	26.8	27.8	28.2
	4H	26.4	27.4	26.8	27.7	28.1	26.6	27.6	27.0	27.9	28.3
	6H	26.5	27.4	26.9	27.7	28.1	26.7	27.5	27.1	27.9	28.3
	8H	26.5	27.3	27.0	27.7	28.1	26.7	27.5	27.1	27.9	28.3
	12H	26.5	27.3	27.0	27.7	28.1	26.7	27.4	27.1	27.8	28.2
8H	4H	26.4	27.2	26.9	27.6	28.0	26.6	27.4	27.0	27.8	28.2
	6H	26.6	27.2	27.1	27.7	28.1	26.7	27.4	27.2	27.8	28.3
	8H	26.7	27.2	27.1	27.7	28.2	26.8	27.3	27.3	27.8	28.3
	12H	26.7	27.2	27.2	27.7	28.2	26.8	27.3	27.3	27.8	28.3
12H	4H	26.4	27.1	26.9	27.5	28.0	26.6	27.3	27.0	27.7	28.1
	6H	26.6	27.1	27.1	27.6	28.1	26.7	27.3	27.2	27.7	28.2
	8H	26.7	27.1	27.2	27.6	28.1	26.8	27.3	27.3	27.8	28.3
Variations with the observer position at spacings:											
S = 1.0H	+ 0.4 / - 0.5					+ 0.4 / - 0.5					
1.5H	+ 0.2 / - 0.5					+ 0.2 / - 0.5					
2.0H	+ 0.7 / - 0.6					+ 0.7 / - 0.7					

CIE Pub.117, 1218 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.7)
Area: 0.008 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-06-03

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.074m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.1260A P:15.000W PF:0.9890 Freq:60.00Hz Lamp Flux:1218x1 lm		
NAME: ASD-JBR-DB-6D15BK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.1	Shielding 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) $k(RI) \times RCR = 5$									
$k = 0.60$	61	50	44	60	50	44	59	49	43	37
0.80	71	61	54	70	60	54	69	59	53	47
1.00	80	70	63	79	69	63	76	70	62	56
1.25	87	78	71	85	77	71	83	75	70	63
1.50	92	83	77	90	82	76	87	80	75	68
2.00	98	90	85	96	89	84	93	87	82	75
2.50	101	95	89	99	93	88	95	90	86	78
3.00	104	98	94	102	97	92	98	94	90	82
4.00	108	103	99	105	101	97	101	97	94	85
5.00	110	106	102	107	104	100	103	100	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

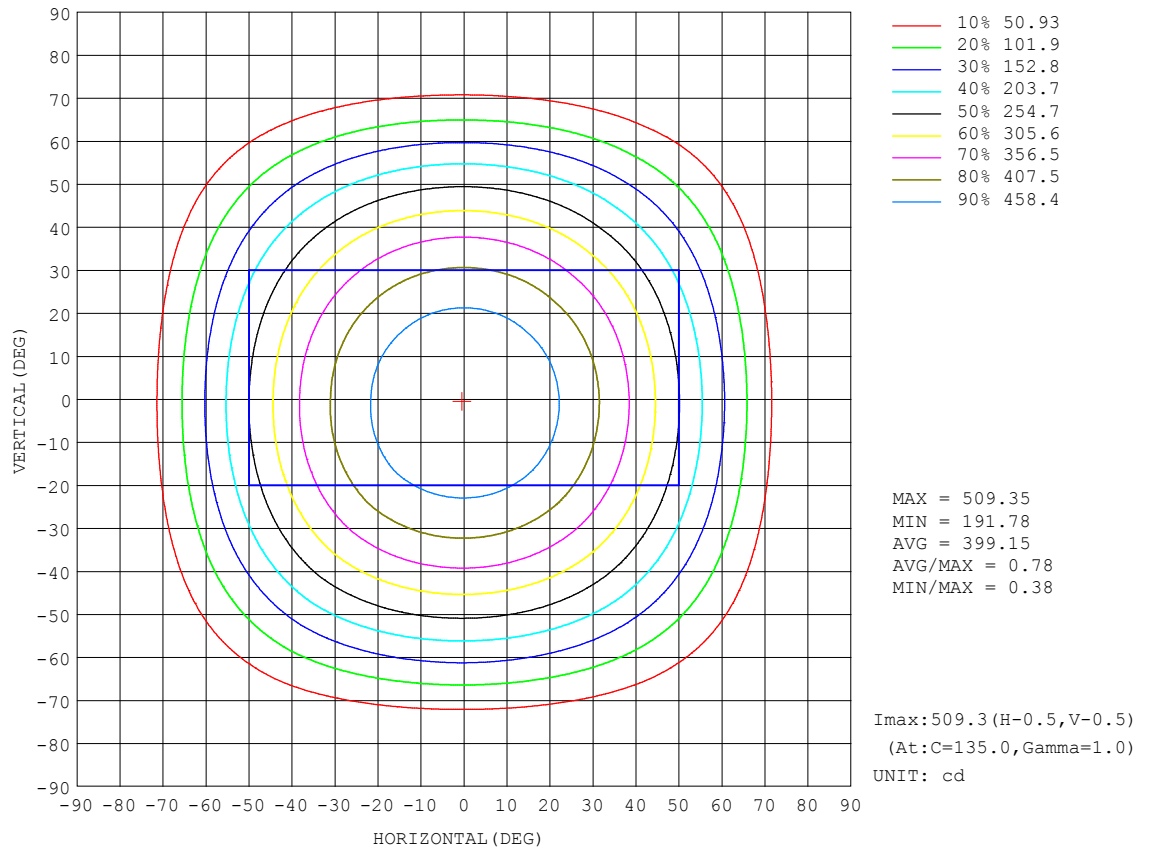
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 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-06-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Test:U:120.00V I:0.1260A P:15.000W PF:0.9890 Freq:60.00Hz Lamp Flux:1218x1 lm		
NAME: ASD-JBR-DB-6D15BK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.1	Shielding Angle:



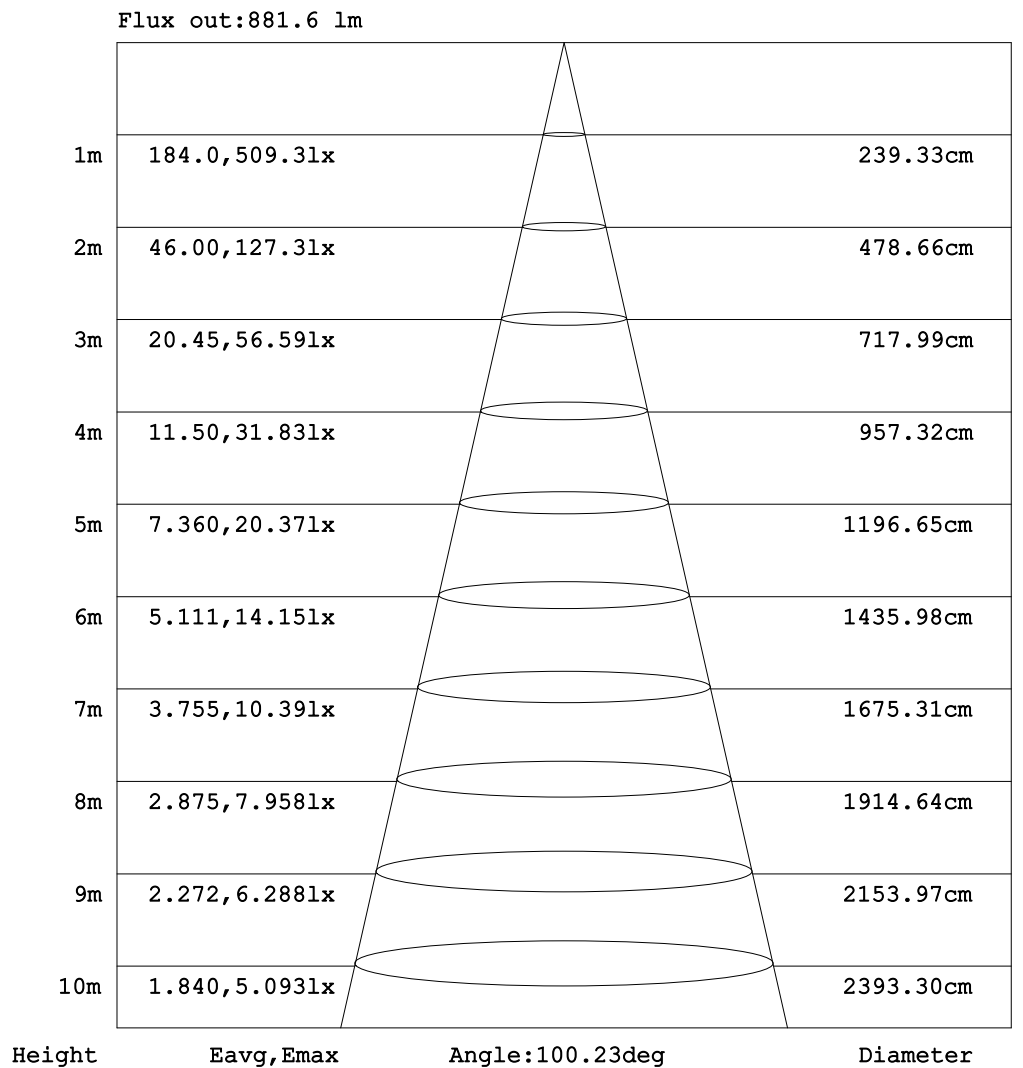
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.074m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

Test:U:120.00V I:0.1260A P:15.000W PF:0.9890 Freq:60.00Hz Lamp Flux:1218x1 lm		
NAME: ASD-JBR-DB-6D15BK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.1	Shielding Angle:



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

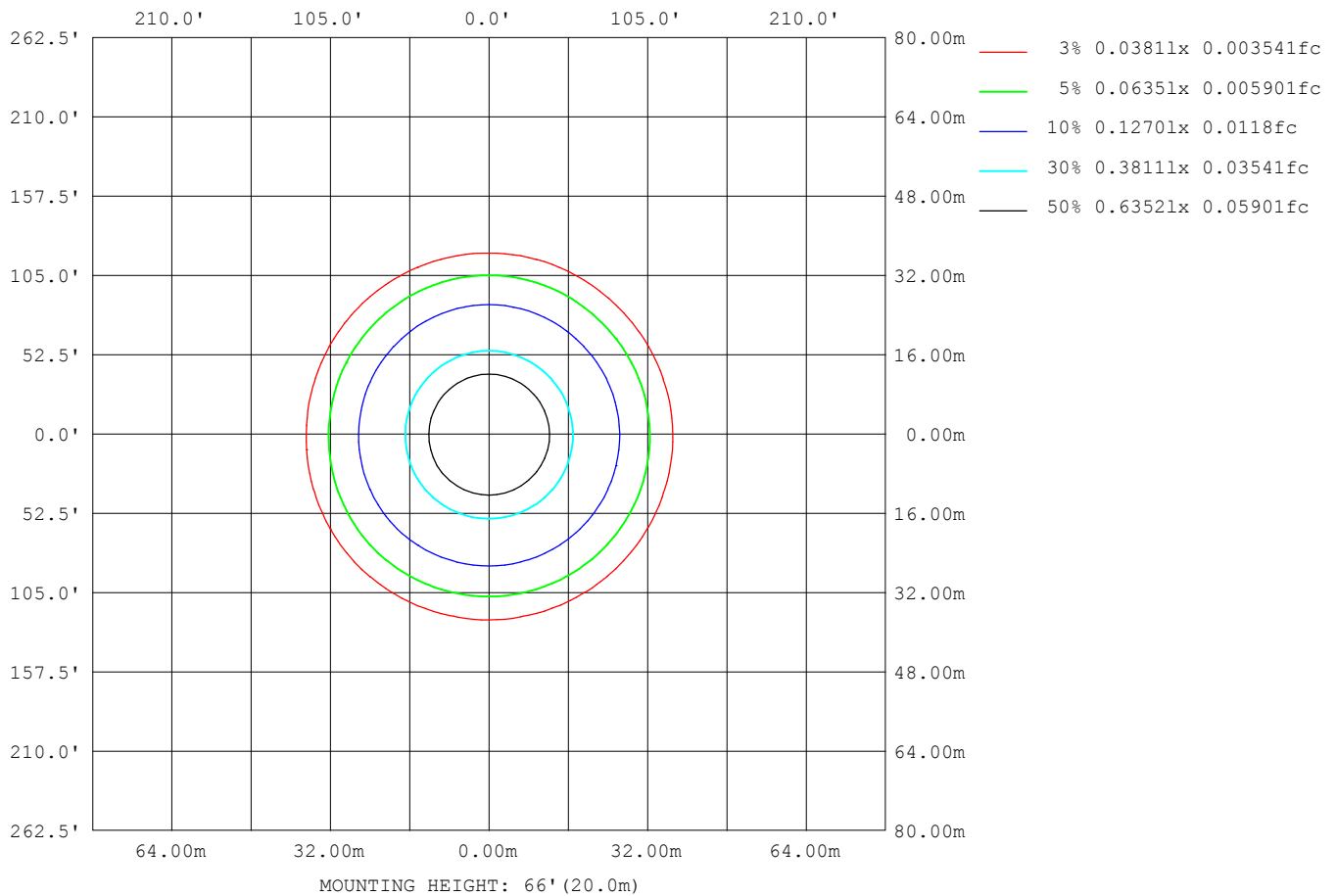
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.074m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Test:U:120.00V I:0.1260A P:15.000W PF:0.9890 Freq:60.00Hz Lamp Flux:1218x1 lm		
NAME: ASD-JBR-DB-6D15BK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.1	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-06-03

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.074m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LED Avg.L Report

Test:U:120.00V I:0.1260A P:15.000W PF:0.9890 Freq:60.00Hz Lamp Flux:1218x1 lm		
NAME: ASD-JBR-DB-6D15BK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.1	Shielding Angle:

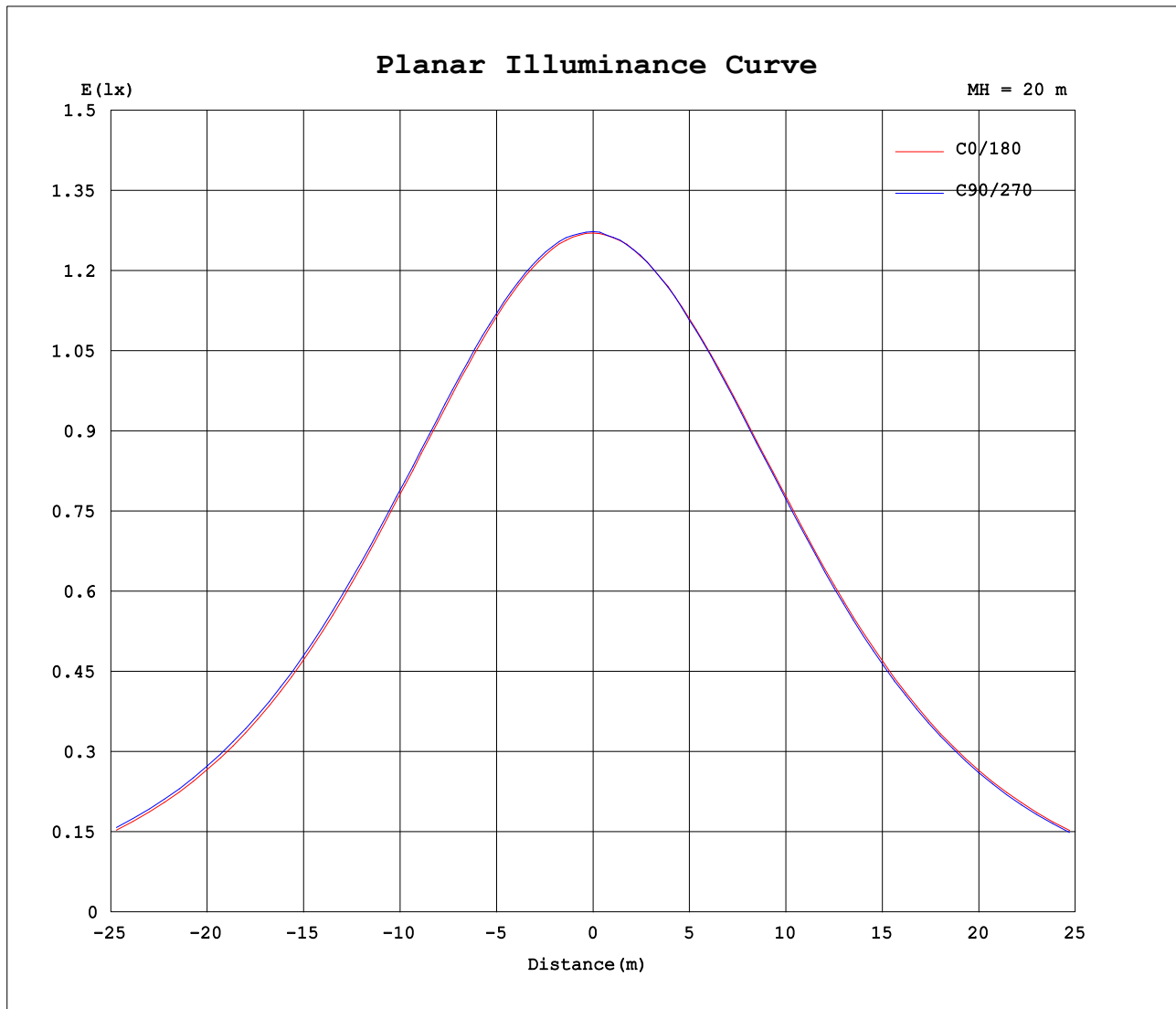
AvgL	cd/m2
L_0~180 (65) av	32155
L_0~180 (75) av	14143
L_0~180 (85) av	9247
L_90~270 (65) av	32009
L_90~270 (75) av	13819
L_90~270 (85) av	9367
L_45 (65) av	32057
L_45 (75) av	14151
L_45 (85) av	11503

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-06-03

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.074m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-06-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.074m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.1260A P:15.000W PF:0.9890 Freq:60.00Hz Lamp Flux:1218x1 lm		
NAME: ASD-JBR-DB-6D15BK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.1	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	509	509	509	509	509	509	509	509										
5	507	507	507	507	506	505	505	505										
10	499	499	500	501	497	496	496	496										
15	486	487	488	488	484	482	482	482										
20	468	470	471	471	466	464	464	463										
25	445	448	448	449	443	440	440	440										
30	418	421	422	422	415	412	411	411										
35	384	387	389	389	381	377	376	376										
40	345	350	351	352	343	338	338	337										
45	302	307	309	310	300	295	295	293										
50	256	262	264	265	255	249	249	247										
55	208	214	215	217	207	202	201	199										
60	159	162	166	166	155	153	149	149										
65	110	114	116	116	107	104	101	100										
70	63.5	67.7	68.2	69.6	62.1	58.1	56.6	55.3										
75	29.9	32.1	31.4	33.2	28.6	26.5	25.8	25.3										
80	17.9	19.1	17.5	19.5	16.2	16.2	16.0	15.8										
85	7.42	9.29	6.75	9.77	5.47	6.53	6.31	6.50										
90	2.44	2.42	2.42	2.51	1.32	1.35	1.38	1.35										
95	2.57	2.56	2.53	2.54	1.57	1.58	1.61	1.59										
100	2.74	2.72	2.70	2.71	1.85	1.87	1.89	1.88										
105	2.91	2.90	2.88	2.87	2.15	2.18	2.20	2.18										
110	3.10	3.08	3.05	3.06	2.46	2.47	2.50	2.47										
115	3.27	3.25	3.24	3.23	2.77	2.77	2.81	2.79										
120	3.44	3.41	3.40	3.39	3.08	3.08	3.12	3.08										
125	3.60	3.57	3.56	3.54	3.38	3.37	3.42	3.37										
130	3.75	3.72	3.72	3.70	3.66	3.65	3.69	3.65										
135	3.91	3.88	3.87	3.85	3.92	3.91	3.96	3.92										
140	4.08	4.05	4.04	4.02	4.18	4.18	4.22	4.17										
145	4.27	4.25	4.23	4.21	4.45	4.44	4.47	4.44										
150	4.49	4.46	4.44	4.42	4.72	4.71	4.74	4.71										
155	4.75	4.71	4.70	4.67	4.99	4.98	5.01	4.97										
160	5.02	4.98	4.98	4.95	5.25	5.21	5.26	5.21										
165	5.29	5.24	5.24	5.21	5.48	5.42	5.47	5.39										
170	5.53	5.47	5.47	5.44	5.68	5.59	5.65	5.58										
175	5.71	5.64	5.66	5.62	5.80	5.71	5.76	5.70										
180	5.82	5.75	5.77	5.73	5.82	5.75	5.77	5.72										

C Range: 0 - 360DEG
C Interval: 45.0DEG
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γ Range: 0 - 180DEG
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