

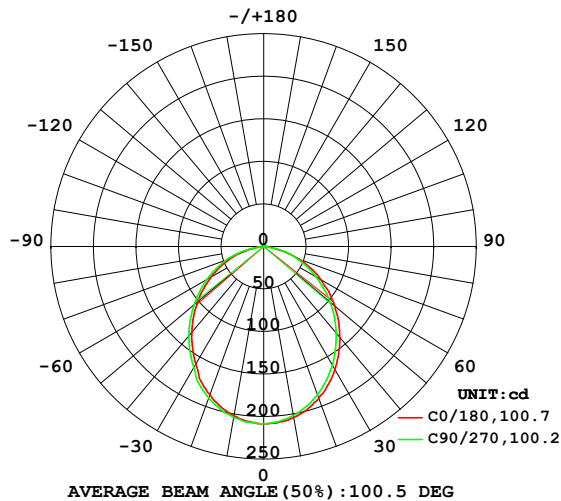
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

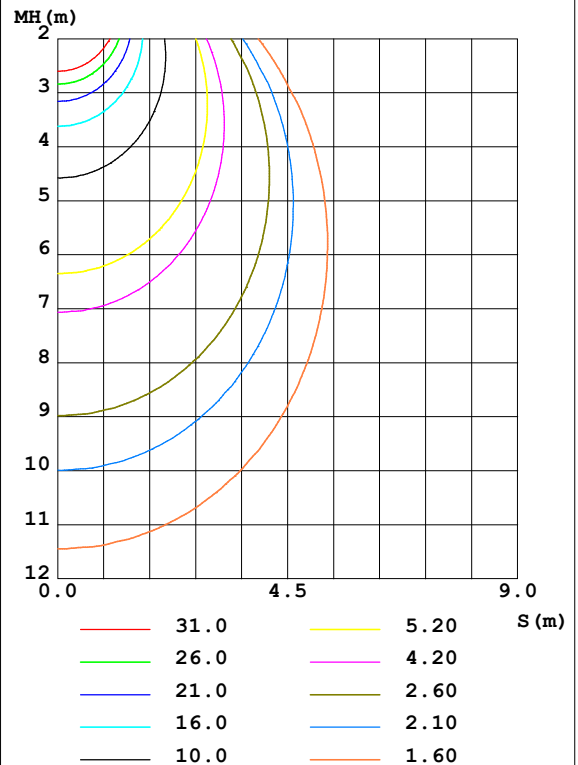
Test:U:120.10V I:0.0480A P:5.6100W PF:0.9720 Freq:60.00Hz Lamp Flux:524.291x1 lm		
NAME: ASD-JBR-GB-3D6BK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.065	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 93.46 lm/W			
MODEL	ASD-JBR-GB-3D6BK	I _{max} (cd)	208.5	S/MH (C0/180)	1.15
NOMINAL POWER (W)	6	LOR (%)	100.0	S/MH (C90/270)	1.18
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	524.29	η UP, DN (C0-180)	0.9, 48.8
NOMINAL FLUX (lm)	524.291	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.8, 49.5
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: 2024-07-30

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	204.2	203.0	201.6	202.1	202.1	203.1	204.2	204.1	0- 10	19.63	19.63	3.74,3.74
20	190.0	188.0	185.3	185.4	185.6	187.9	189.5	189.5	10- 20	55.34	74.97	14.3,14.3
30	167.2	162.3	161.5	159.3	159.7	164.8	164.4	166.7	20- 30	81.23	156.2	29.8,29.8
40	139.5	134.7	132.7	131.0	131.6	136.4	136.9	138.9	30- 40	93.55	249.8	47.6,47.6
50	109.0	104.7	102.4	100.9	101.5	105.8	107.0	108.3	40- 50	92.71	342.5	65.3,65.3
60	77.22	74.48	70.93	70.92	71.01	74.06	76.44	76.51	50- 60	79.92	422.4	80.6,80.6
70	44.88	44.76	41.79	41.84	41.48	44.33	46.85	47.02	60- 70	58.34	480.7	91.7,91.7
80	8.383	13.87	11.25	14.32	7.875	15.56	13.37	17.30	70- 80	30.25	511.0	97.5,97.5
90	1.068	1.103	1.090	1.136	0.6306	0.6930	0.6486	0.6302	80- 90	4.369	515.3	98.3,98.3
100	1.166	1.196	1.199	1.209	0.8286	0.7869	0.7867	0.7750	90-100	1.000	516.3	98.5,98.5
110	1.305	1.336	1.331	1.353	1.068	1.045	1.011	1.020	100-110	1.149	517.5	98.7,98.7
120	1.437	1.484	1.463	1.508	1.311	1.291	1.253	1.325	110-120	1.274	518.8	98.9,98.9
130	1.559	1.622	1.587	1.621	1.540	1.504	1.497	1.584	120-130	1.325	520.1	99.2,99.2
140	1.699	1.762	1.741	1.759	1.766	1.734	1.733	1.728	130-140	1.277	521.4	99.4,99.4
150	1.880	1.921	1.924	1.945	1.983	1.935	1.955	1.931	140-150	1.150	522.5	99.7,99.7
160	2.061	2.087	2.104	2.111	2.162	2.114	2.135	2.114	150-160	0.9339	523.5	99.8,99.8
170	2.226	2.238	2.236	2.252	2.296	2.243	2.281	2.249	160-170	0.6173	524.1	100,100
180	2.332	2.316	2.326	2.328	2.343	2.308	2.340	2.322	170-180	0.2183	524.3	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

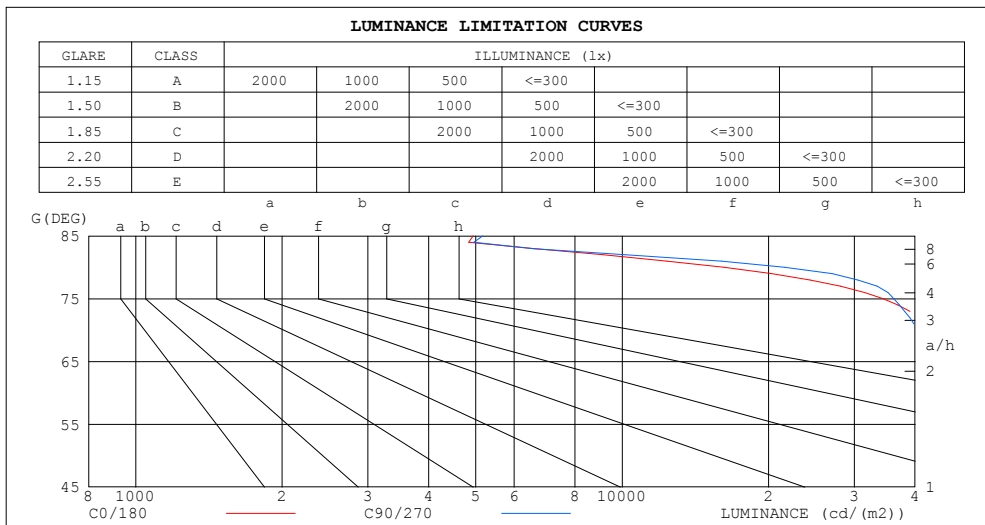
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-07-30

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:120.10V I:0.0480A P:5.6100W PF:0.9720 Freq:60.00Hz Lamp Flux:524.291x1 lm		
NAME: ASD-JBR-GB-3D6BK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.065	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4942	5166
80	16177	21555
75	34355	36180
70	43975	40658
65	48866	44208
60	51753	47210
55	54706	49693
50	56817	53030
45	58963	55418

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-07-30

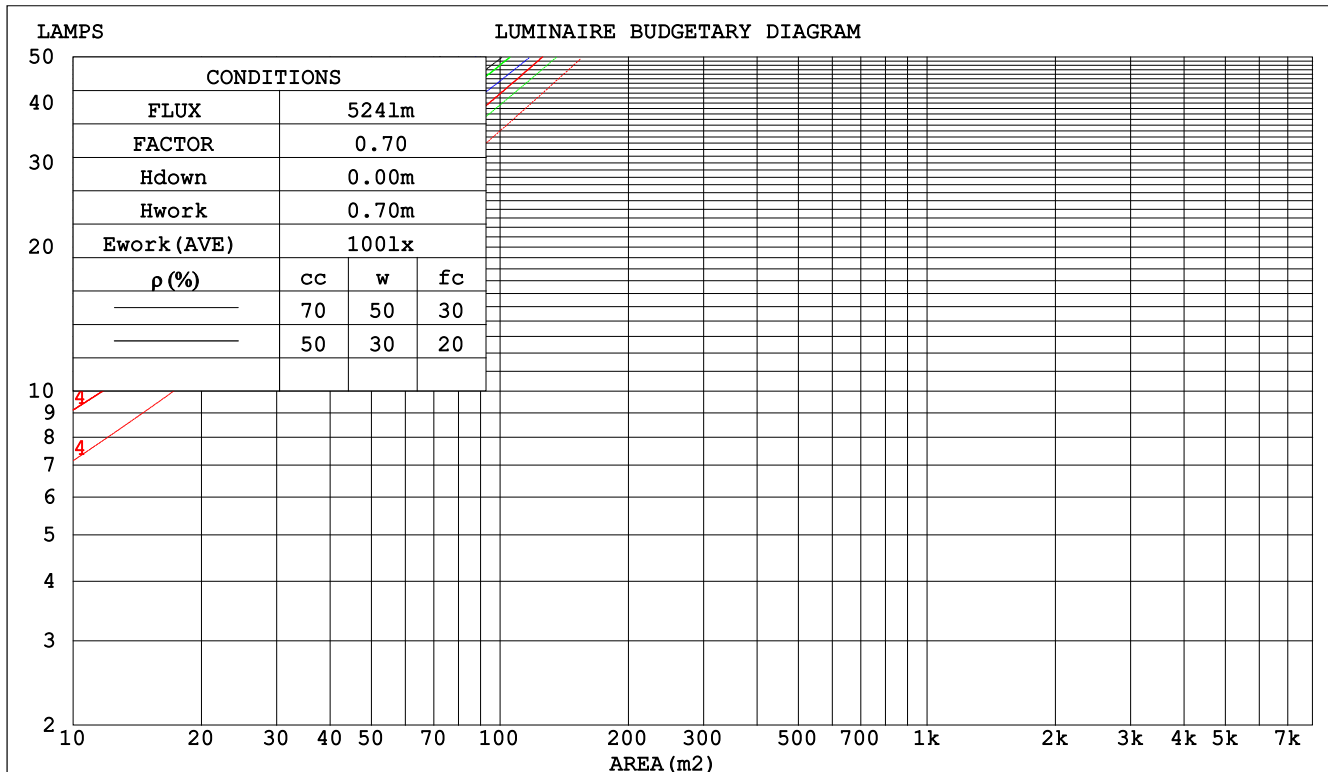
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.074m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.10V I:0.0480A P:5.6100W PF:0.9720 Freq:60.00Hz Lamp Flux:524.291x1 lm		
NAME: ASD-JBR-GB-3D6BK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.065	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	1.05	1.01	.97	1.02	.99	.95	.98	.95	.92	.93	.91	.89	.90	.88	.86	.84
2.0	.92	.85	.80	.90	.84	.79	.86	.81	.77	.82	.78	.75	.79	.76	.73	.71
3.0	.81	.73	.67	.79	.72	.66	.76	.70	.65	.73	.68	.63	.70	.66	.62	.60
4.0	.72	.63	.57	.71	.63	.56	.68	.61	.56	.65	.59	.55	.63	.58	.54	.52
5.0	.64	.56	.49	.63	.55	.49	.61	.54	.48	.59	.53	.48	.57	.51	.47	.45
6.0	.58	.50	.43	.57	.49	.43	.55	.48	.42	.53	.47	.42	.52	.46	.42	.39
7.0	.53	.44	.38	.52	.44	.38	.50	.43	.38	.49	.42	.37	.47	.41	.37	.35
8.0	.48	.40	.34	.48	.40	.34	.46	.39	.34	.45	.38	.34	.44	.38	.33	.31
9.0	.44	.36	.31	.44	.36	.31	.43	.36	.31	.41	.35	.30	.40	.34	.30	.28
10.0	.41	.33	.28	.41	.33	.28	.39	.33	.28	.38	.32	.28	.37	.32	.27	.26



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-07-30

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:120.10V I:0.0480A P:5.6100W PF:0.9720 Freq:60.00Hz Lamp Flux:524.291x1 lm					
NAME: ASD-JBR-GB-3D6BK			TYPE:		WEIGHT:
SPEC.:5000K			DIM.:		SERIAL No.:
MFR.: ASD Lighting Corp			SUR.:0.065		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	.288	.164	.052	.280	.160	.051	.266	.153	.049	.253	.146	.047	.241	.140	.045		
2.0	.276	.151	.046	.269	.148	.046	.256	.143	.044	.245	.137	.043	.234	.133	.042		
3.0	.257	.137	.041	.251	.135	.041	.240	.130	.040	.230	.126	.039	.221	.122	.038		
4.0	.239	.124	.037	.234	.122	.036	.224	.119	.035	.215	.115	.035	.206	.112	.034		
5.0	.222	.113	.033	.217	.112	.033	.209	.109	.032	.200	.106	.031	.193	.103	.031		
6.0	.207	.104	.030	.203	.102	.029	.195	.100	.029	.187	.097	.029	.181	.095	.028		
7.0	.193	.095	.027	.189	.094	.027	.182	.092	.027	.176	.090	.026	.169	.088	.026		
8.0	.181	.088	.025	.177	.087	.025	.171	.085	.024	.165	.084	.024	.159	.082	.024		
9.0	.170	.082	.023	.167	.081	.023	.161	.080	.023	.156	.078	.022	.150	.076	.022		
10.0	.160	.077	.021	.157	.076	.021	.152	.074	.021	.147	.073	.021	.142	.072	.021		

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	.203	.203	.203	.174	.174	.174	.119	.119	.119	.068	.068	.068	.022	.022	.022	
1.0	.192	.169	.149	.164	.145	.128	.112	.100	.089	.065	.058	.052	.021	.019	.017	
2.0	.183	.145	.113	.157	.125	.098	.108	.086	.068	.062	.050	.040	.020	.016	.013	
3.0	.175	.127	.089	.150	.110	.077	.103	.076	.054	.060	.045	.032	.019	.014	.010	
4.0	.168	.114	.073	.144	.099	.064	.099	.069	.045	.057	.040	.026	.018	.013	.009	
5.0	.160	.104	.062	.138	.090	.054	.095	.063	.038	.055	.037	.023	.018	.012	.007	
6.0	.153	.095	.054	.132	.082	.047	.091	.058	.033	.053	.034	.020	.017	.011	.006	
7.0	.147	.088	.047	.126	.077	.041	.087	.054	.029	.051	.032	.017	.016	.010	.006	
8.0	.140	.083	.043	.121	.072	.037	.084	.050	.026	.049	.030	.016	.016	.010	.005	
9.0	.134	.078	.039	.116	.067	.034	.080	.047	.024	.047	.028	.014	.015	.009	.005	
10.0	.129	.073	.036	.111	.064	.032	.077	.045	.023	.045	.026	.013	.015	.009	.004	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-07-30

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:120.10V I:0.0480A P:5.6100W PF:0.9720 Freq:60.00Hz Lamp Flux:524.291x1 lm										
NAME: ASD-JBR-GB-3D6BK					TYPE:			WEIGHT:		
SPEC.:5000K					DIM.:			SERIAL No.:		
MFR.: ASD Lighting Corp					SUR.:0.065			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	28.8	30.3	29.1	30.5	30.7	28.5	29.9	28.8	30.2	30.4
3H	30.2	31.5	30.5	31.8	32.0	29.8	31.1	30.1	31.4	31.7
4H	30.6	31.9	30.9	32.1	32.4	30.3	31.5	30.6	31.8	32.1
6H	30.7	31.9	31.1	32.2	32.5	30.5	31.7	30.9	32.0	32.3
8H	30.7	31.8	31.0	32.1	32.5	30.5	31.6	30.9	31.9	32.3
12H	30.6	31.7	31.0	32.0	32.4	30.4	31.5	30.8	31.9	32.2
4H 2H	29.3	30.6	29.7	30.9	31.2	29.1	30.3	29.4	30.6	30.9
3H	30.9	32.0	31.3	32.3	32.6	30.6	31.7	30.9	32.0	32.3
4H	31.4	32.4	31.8	32.8	33.1	31.2	32.2	31.6	32.5	32.9
6H	31.6	32.5	32.0	32.8	33.2	31.5	32.4	31.9	32.7	33.1
8H	31.6	32.4	32.0	32.8	33.2	31.5	32.3	31.9	32.7	33.1
12H	31.5	32.3	32.0	32.7	33.1	31.4	32.2	31.9	32.6	33.0
8H 4H	31.6	32.4	32.0	32.8	33.2	31.4	32.2	31.8	32.6	33.0
6H	31.8	32.5	32.3	33.0	33.4	31.8	32.4	32.2	32.9	33.3
8H	31.8	32.4	32.3	32.9	33.4	31.8	32.4	32.3	32.8	33.3
12H	31.8	32.3	32.3	32.8	33.3	31.8	32.3	32.3	32.8	33.3
12H 4H	31.6	32.3	32.0	32.7	33.2	31.4	32.1	31.8	32.5	33.0
6H	31.8	32.4	32.3	32.9	33.4	31.8	32.4	32.3	32.8	33.3
8H	31.9	32.4	32.4	32.9	33.4	31.8	32.3	32.3	32.8	33.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.4				

CIE Pub.117, 524.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.2)
Area: 0.003 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-07-30

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:120.10V I:0.0480A P:5.6100W PF:0.9720 Freq:60.00Hz Lamp Flux:524.291x1 lm		
NAME: ASD-JBR-GB-3D6BK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.065	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) $k(RI) \times RCR = 5$									
$k = 0.60$	59	48	41	58	48	41	57	47	41	35
0.80	69	58	51	68	58	51	66	57	50	44
1.00	78	67	60	76	66	60	74	67	59	52
1.25	84	74	68	83	74	67	80	72	66	59
1.50	89	80	73	88	79	73	84	77	72	64
2.00	96	88	82	94	87	81	90	84	79	71
2.50	100	92	87	98	91	86	94	88	84	75
3.00	103	96	91	101	95	90	96	92	88	79
4.00	107	101	97	104	100	96	100	96	93	84
5.00	109	105	101	107	102	99	102	99	96	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

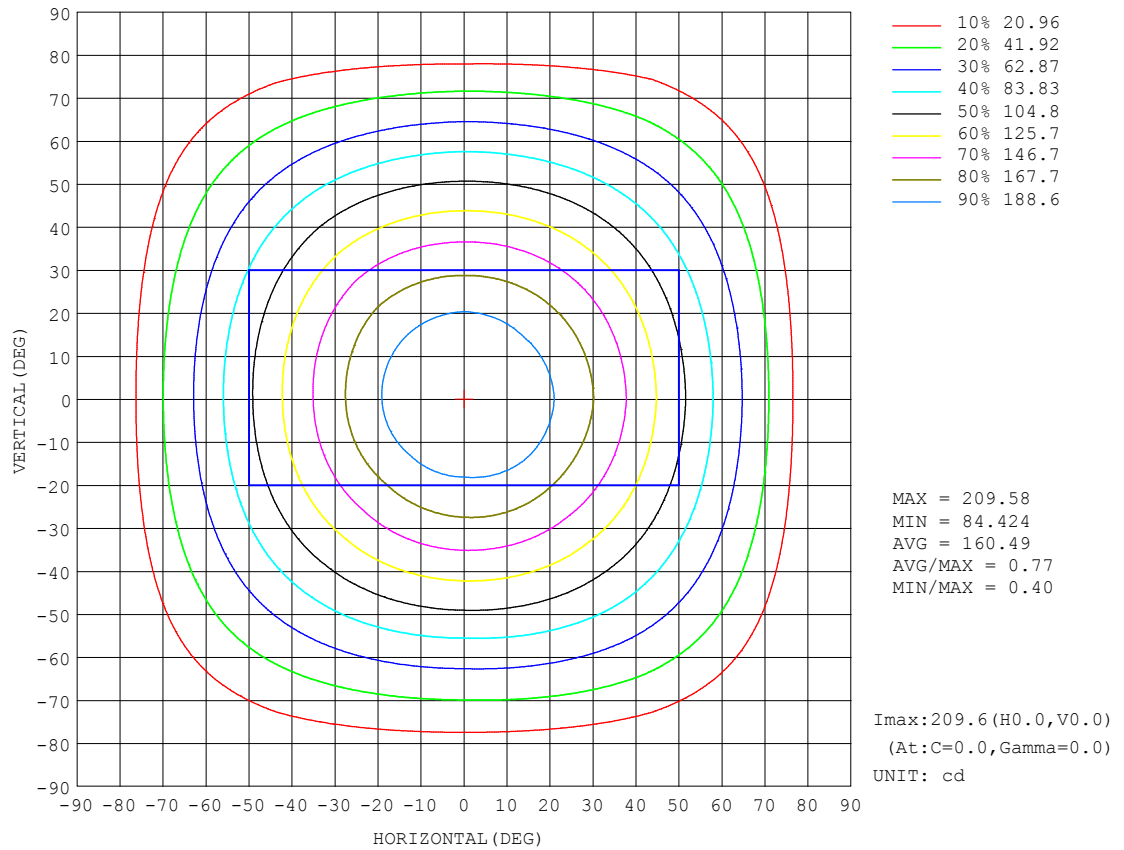
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 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
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EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Test:U:120.10V I:0.0480A P:5.6100W PF:0.9720 Freq:60.00Hz Lamp Flux:524.291x1 lm		
NAME: ASD-JBR-GB-3D6BK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.065	Shielding Angle:



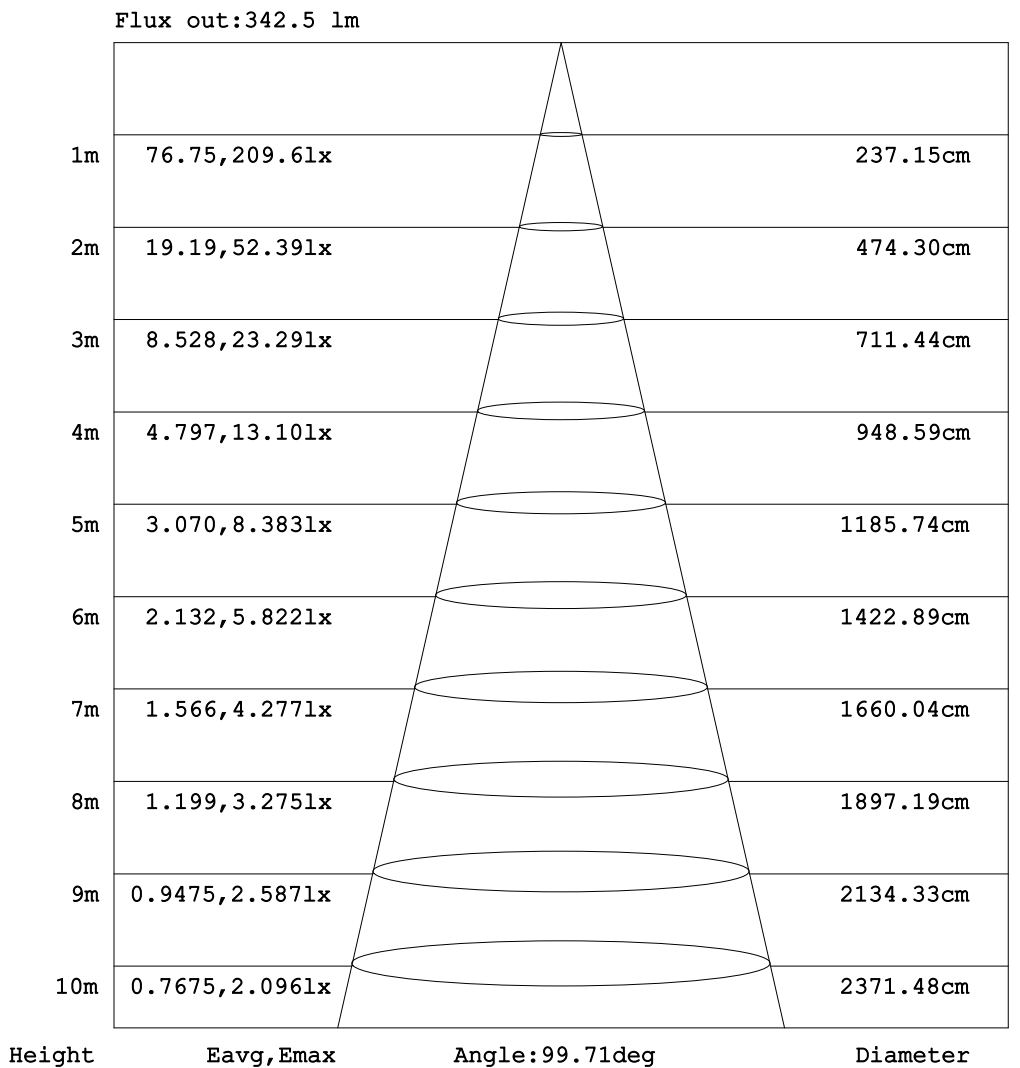
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-07-30

γ Range: 0 - 180DEG
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Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
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EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

Test:U:120.10V I:0.0480A P:5.6100W PF:0.9720 Freq:60.00Hz Lamp Flux:524.291x1 lm		
NAME: ASD-JBR-GB-3D6BK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.065	Shielding Angle:



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

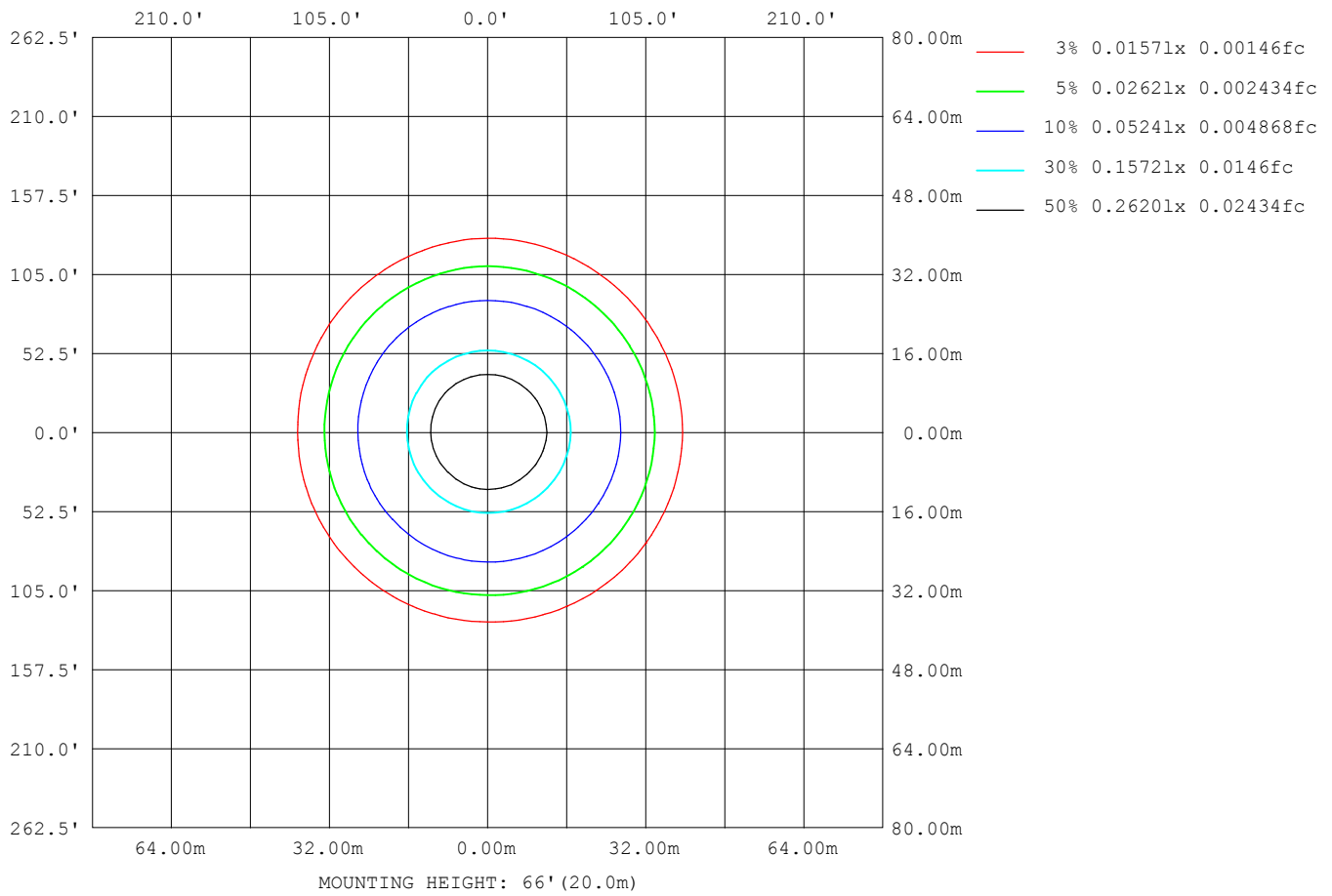
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
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γ Range: 0 - 180DEG
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Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
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EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Test:U:120.10V I:0.0480A P:5.6100W PF:0.9720 Freq:60.00Hz Lamp Flux:524.291x1 lm		
NAME: ASD-JBR-GB-3D6BK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.065	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-07-30

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:120.10V I:0.0480A P:5.6100W PF:0.9720 Freq:60.00Hz Lamp Flux:524.291x1 lm		
NAME: ASD-JBR-GB-3D6BK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.065	Shielding Angle:

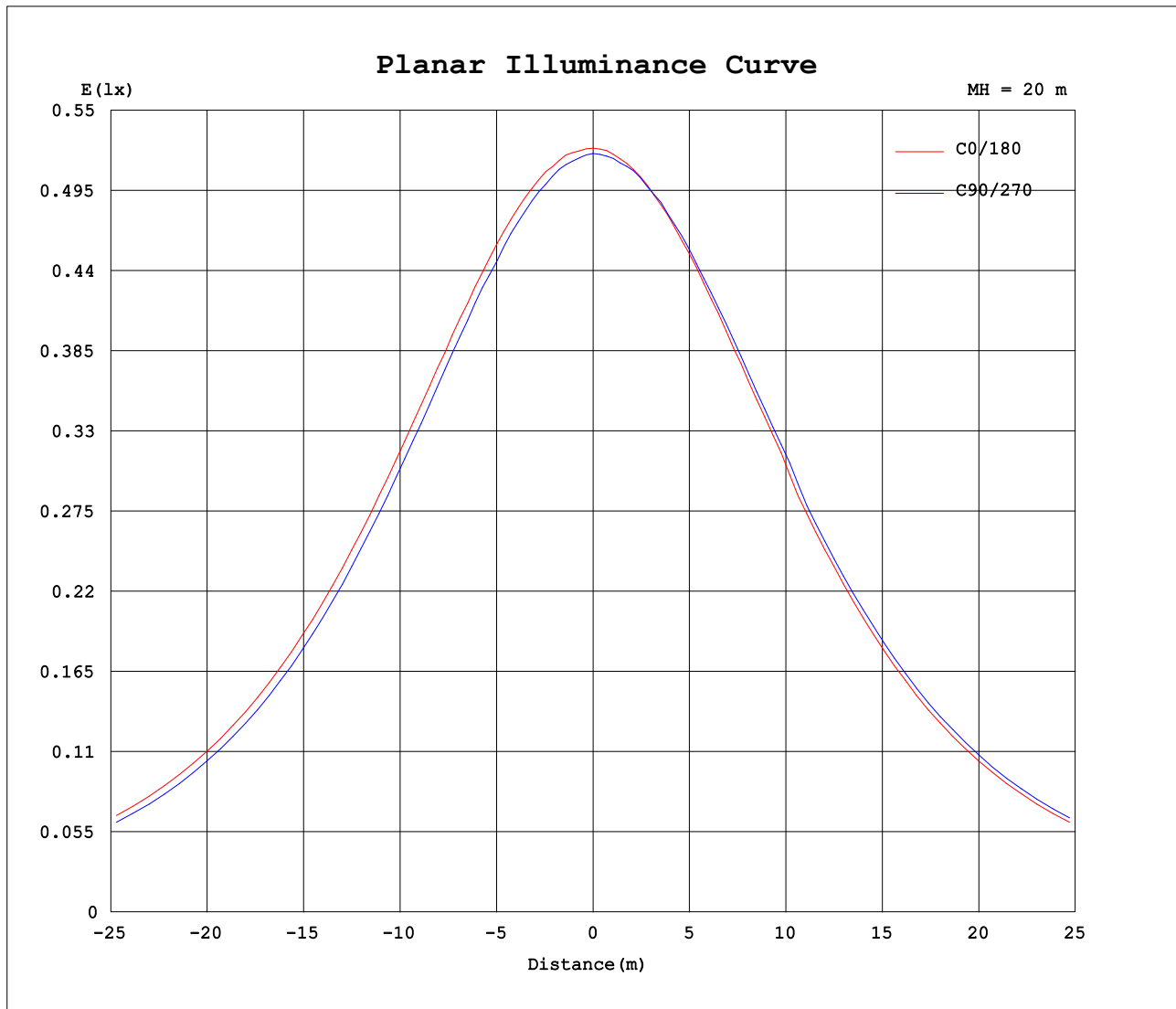
AvgL	cd/m2
L_0~180 (65) av	46465
L_0~180 (75) av	33361
L_0~180 (85) av	4474
L_90~270 (65) av	46415
L_90~270 (75) av	38153
L_90~270 (85) av	4695
L_45 (65) av	46595
L_45 (75) av	38739
L_45 (85) av	15083

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-07-30

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: 2024-07-30

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:120.10V I:0.0480A P:5.6100W PF:0.9720 Freq:60.00Hz Lamp Flux:524.291x1 lm		
NAME: ASD-JBR-GB-3D6BK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.065	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	208	208	208	208	208	208	208	208										
5	208	207	206	206	207	207	207	207										
10	204	203	202	202	202	203	204	204										
15	198	196	194	195	195	197	198	198										
20	190	188	185	185	186	188	190	190										
25	179	177	174	174	175	177	179	179										
30	167	162	161	159	160	165	164	167										
35	154	149	147	146	146	151	151	153										
40	139	135	133	131	132	136	137	139										
45	124	120	118	116	117	121	122	124										
50	109	105	102	101	101	106	107	108										
55	93.6	89.6	85.6	85.9	86.2	89.7	91.6	93.1										
60	77.2	74.5	70.9	70.9	71.0	74.1	76.4	76.5										
65	61.6	59.5	56.1	56.1	56.2	59.0	61.6	61.7										
70	44.9	44.8	41.8	41.8	41.5	44.3	46.9	47.0										
75	26.5	29.4	28.1	28.3	25.3	30.3	31.1	32.4										
80	8.38	13.9	11.2	14.3	7.88	15.6	13.4	17.3										
85	1.29	3.71	1.35	4.01	1.05	3.03	1.10	5.02										
90	1.07	1.10	1.09	1.14	0.63	0.69	0.65	0.63										
95	1.10	1.13	1.13	1.15	0.72	0.69	0.69	0.68										
100	1.17	1.20	1.20	1.21	0.83	0.79	0.79	0.78										
105	1.23	1.26	1.26	1.28	0.94	0.91	0.90	0.89										
110	1.31	1.34	1.33	1.35	1.07	1.04	1.01	1.02										
115	1.39	1.41	1.40	1.42	1.19	1.17	1.14	1.18										
120	1.44	1.48	1.46	1.51	1.31	1.29	1.25	1.32										
125	1.49	1.55	1.53	1.57	1.43	1.42	1.38	1.46										
130	1.56	1.62	1.59	1.62	1.54	1.50	1.50	1.58										
135	1.62	1.67	1.66	1.69	1.65	1.62	1.62	1.68										
140	1.70	1.76	1.74	1.76	1.77	1.73	1.73	1.73										
145	1.78	1.83	1.82	1.85	1.88	1.82	1.84	1.84										
150	1.88	1.92	1.92	1.94	1.98	1.94	1.96	1.93										
155	1.97	2.00	2.01	2.03	2.08	2.02	2.04	2.02										
160	2.06	2.09	2.10	2.11	2.16	2.11	2.13	2.11										
165	2.15	2.16	2.17	2.19	2.24	2.18	2.22	2.18										
170	2.23	2.24	2.24	2.25	2.30	2.24	2.28	2.25										
175	2.29	2.29	2.30	2.30	2.33	2.30	2.33	2.30										
180	2.33	2.32	2.33	2.33	2.34	2.31	2.34	2.32										

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