

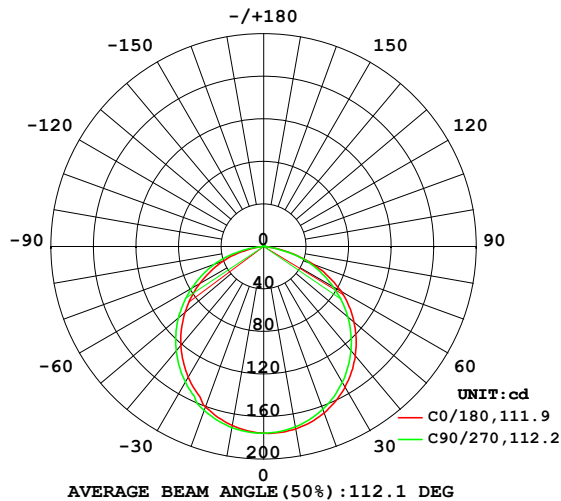
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

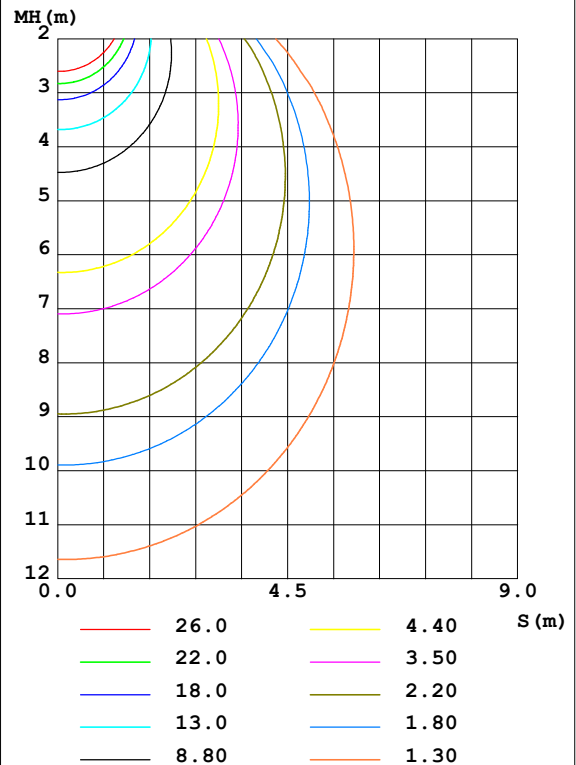
Test:U:120.00V I:0.0550A P:6.0400W PF:0.9100 Freq:60.00Hz Lamp Flux:499.354x1 lm		
NAME: ASD-JBR-3D6WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.135	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 82.67 lm/W
MODEL	ASD-JBR-3D6WH	I _{max} (cd)	175.8	S/MH (C0/180)	1.21	
NOMINAL POWER (W)	6	LOR (%)	100.0	S/MH (C90/270)	1.25	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	499.35	η UP, DN (C0-180)	0.9, 49.5	
NOMINAL FLUX (lm)	499.354	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.8, 48.8	
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: 2024-09-24

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	174.1	173.4	172.2	171.5	171.0	171.6	172.9	173.5	0- 10	16.62	16.62	3.33,3.33
20	166.5	165.1	162.8	161.5	160.4	161.6	164.0	165.4	10- 20	47.61	64.23	12.9,12.9
30	152.9	148.9	147.8	143.5	142.0	146.0	147.3	151.6	20- 30	71.82	136.0	27.2,27.2
40	134.1	129.9	127.8	123.3	121.2	125.5	128.1	132.5	30- 40	86.46	222.5	44.6,44.6
50	111.0	106.7	103.4	98.97	96.62	101.0	104.7	109.2	40- 50	89.73	312.2	62.5,62.5
60	84.16	80.30	75.09	71.81	69.20	72.47	78.01	81.80	50- 60	81.00	393.2	78.7,78.7
70	49.81	51.48	46.69	42.19	40.76	44.10	49.69	51.62	60- 70	61.31	454.5	91,91
80	11.84	18.29	9.915	9.818	8.532	14.88	16.51	14.47	70- 80	32.05	486.6	97.4,97.4
90	1.040	1.485	1.032	1.100	0.6735	0.7893	0.7822	0.6539	80- 90	4.289	490.9	98.3,98.3
100	1.105	1.124	1.136	1.171	0.8451	0.8055	0.7889	0.7605	90-100	0.9850	491.9	98.5,98.5
110	1.250	1.254	1.264	1.307	1.063	1.006	0.9821	0.9589	100-110	1.110	493.0	98.7,98.7
120	1.352	1.382	1.384	1.490	1.269	1.231	1.186	1.226	110-120	1.213	494.2	99,99
130	1.456	1.489	1.478	1.659	1.466	1.418	1.379	1.471	120-130	1.255	495.4	99.2,99.2
140	1.581	1.614	1.611	1.741	1.659	1.614	1.580	1.560	130-140	1.200	496.6	99.5,99.5
150	1.739	1.778	1.781	1.897	1.856	1.788	1.781	1.751	140-150	1.071	497.7	99.7,99.7
160	1.916	1.927	1.941	1.971	2.018	1.965	1.956	1.929	150-160	0.8662	498.6	99.8,99.8
170	2.064	2.067	2.068	2.091	2.132	2.080	2.100	2.067	160-170	0.5712	499.2	100,100
180	2.168	2.143	2.144	2.146	2.174	2.138	2.147	2.143	170-180	0.2016	499.4	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

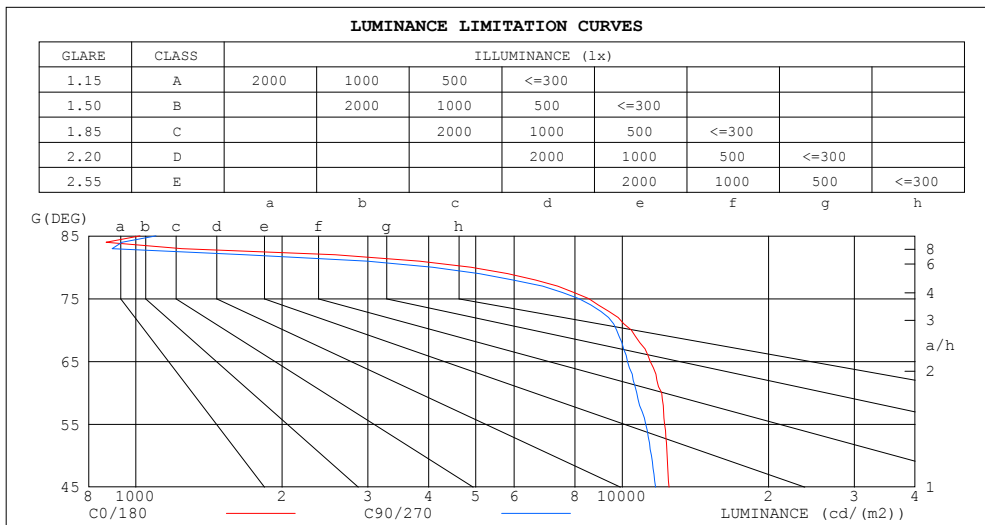
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-09-24

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:0.0550A P:6.0400W PF:0.9100 Freq:60.00Hz Lamp Flux:499.354x1 lm		
NAME: ASD-JBR-3D6WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.135	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1020	1101
80	4887	4073
75	8541	8147
70	10435	9737
65	11414	10248
60	12061	10712
55	12229	11184
50	12376	11479
45	12476	11712

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C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-24

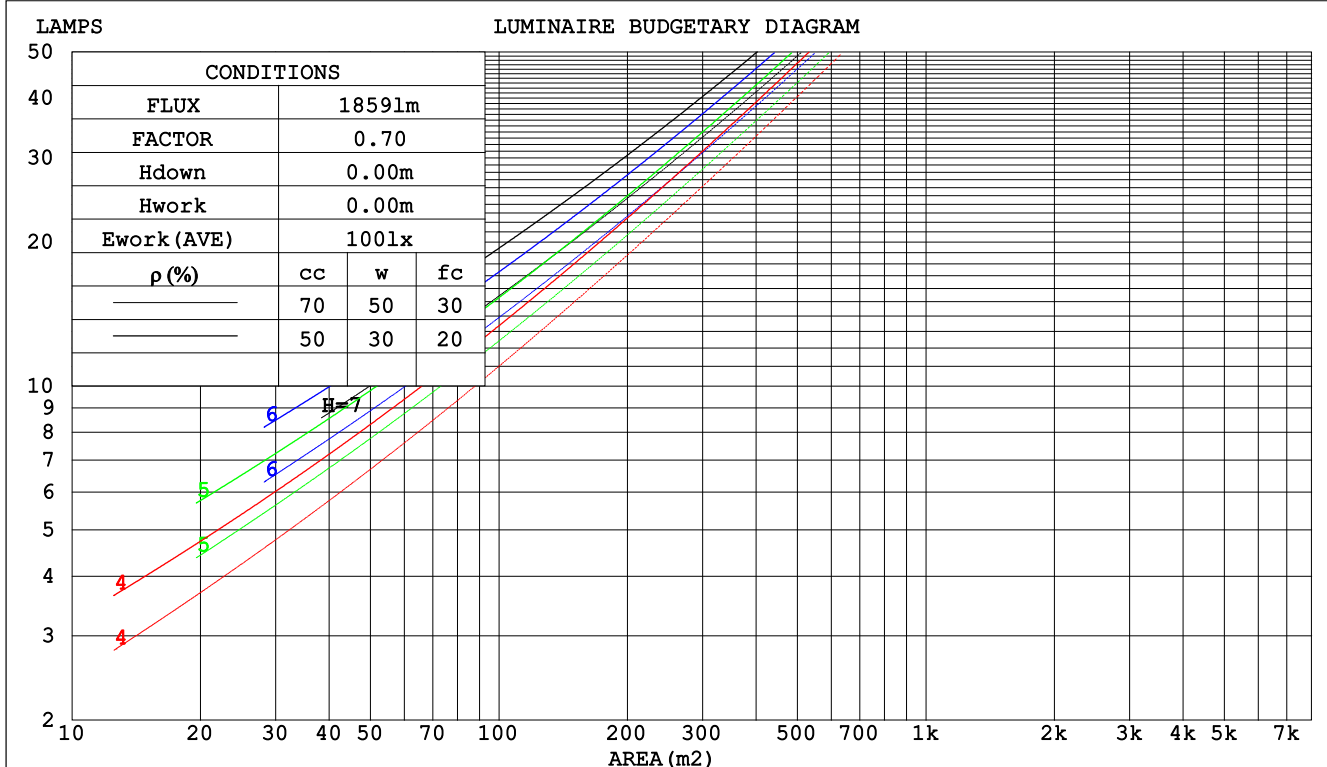
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γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.074m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.0550A P:6.0400W PF:0.9100 Freq:60.00Hz Lamp Flux:499.354x1 lm		
NAME: ASD-JBR-3D6WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.135	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	1.04	1.00	.96	1.02	.98	.95	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.91	.84	.79	.89	.83	.77	.85	.80	.75	.81	.77	.73	.78	.75	.72	.69
3.0	.80	.72	.65	.78	.71	.65	.75	.68	.63	.72	.66	.62	.69	.65	.61	.58
4.0	.71	.62	.55	.69	.61	.55	.66	.59	.54	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.54	.48	.62	.53	.47	.60	.52	.46	.57	.51	.46	.55	.50	.45	.43
6.0	.57	.48	.41	.56	.47	.41	.54	.46	.41	.52	.45	.40	.50	.44	.40	.38
7.0	.51	.43	.37	.51	.42	.36	.49	.41	.36	.47	.41	.36	.46	.40	.35	.33
8.0	.47	.38	.33	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.42	.35	.29	.41	.34	.29	.40	.33	.29	.39	.33	.28	.27
10.0	.40	.32	.27	.39	.32	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-24

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:0.0550A P:6.0400W PF:0.9100 Freq:60.00Hz Lamp Flux:499.354x1 lm		
NAME: ASD-JBR-3D6WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.135	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	.297	.169	.053	.289	.165	.052	.275	.158	.050	.262	.151	.048	.250	.145	.047		
2.0	.284	.156	.048	.277	.153	.047	.265	.147	.046	.253	.142	.044	.243	.137	.043		
3.0	.265	.141	.042	.259	.139	.042	.248	.134	.041	.238	.130	.040	.228	.126	.039		
4.0	.245	.128	.038	.240	.126	.037	.230	.122	.036	.221	.119	.036	.213	.116	.035		
5.0	.228	.116	.034	.223	.114	.033	.214	.111	.033	.206	.109	.032	.198	.106	.032		
6.0	.211	.106	.030	.207	.105	.030	.199	.102	.030	.192	.100	.029	.185	.097	.029		
7.0	.197	.097	.028	.193	.096	.027	.186	.094	.027	.180	.092	.027	.173	.090	.026		
8.0	.184	.090	.025	.181	.089	.025	.174	.087	.025	.169	.085	.025	.163	.084	.024		
9.0	.173	.084	.023	.170	.083	.023	.164	.081	.023	.159	.079	.023	.153	.078	.023		
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.150	.074	.021	.145	.073	.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	.148	.165	.145	.128	.113	.100	.088	.065	.058	.051	.021	.019	.017	
2.0	.184	.145	.112	.158	.125	.097	.108	.086	.068	.062	.050	.040	.020	.016	.013	
3.0	.177	.127	.088	.151	.110	.076	.104	.076	.054	.060	.045	.032	.019	.014	.010	
4.0	.169	.114	.072	.145	.099	.063	.100	.069	.044	.058	.040	.026	.019	.013	.009	
5.0	.162	.104	.061	.139	.090	.053	.096	.063	.037	.055	.037	.022	.018	.012	.007	
6.0	.155	.095	.053	.133	.083	.046	.092	.058	.033	.053	.034	.019	.017	.011	.006	
7.0	.148	.089	.047	.127	.077	.041	.088	.054	.029	.051	.032	.017	.017	.010	.006	
8.0	.142	.083	.042	.122	.072	.037	.084	.050	.026	.049	.030	.016	.016	.010	.005	
9.0	.136	.078	.039	.117	.068	.034	.081	.047	.024	.047	.028	.014	.015	.009	.005	
10.0	.130	.074	.036	.112	.064	.031	.078	.045	.022	.045	.027	.013	.015	.009	.004	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-09-24

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:0.0550A P:6.0400W PF:0.9100 Freq:60.00Hz Lamp Flux:499.354x1 lm											
NAME: ASD-JBR-3D6WH						TYPE:		WEIGHT:			
SPEC.:5000K						DIM.:		SERIAL No.:			
MFR.: ASD Lighting Corp						SUR.:0.135		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	24.1	25.6	24.4	25.8	26.1	23.7	25.2	24.0	25.4	25.7	
	3H	25.6	27.0	25.9	27.3	27.5	25.2	26.6	25.5	26.9	27.1
	4H	26.1	27.4	26.5	27.7	28.0	25.7	27.0	26.1	27.3	27.6
	6H	26.3	27.5	26.7	27.8	28.1	25.9	27.1	26.3	27.4	27.8
	8H	26.3	27.5	26.6	27.8	28.1	25.9	27.1	26.2	27.4	27.7
	12H	26.2	27.4	26.6	27.7	28.0	25.8	27.0	26.2	27.3	27.6
4H	2H	24.7	26.0	25.0	26.3	26.6	24.4	25.7	24.7	26.0	26.3
	3H	26.4	27.5	26.8	27.9	28.2	26.1	27.2	26.5	27.6	27.9
	4H	27.0	28.0	27.4	28.4	28.8	26.7	27.8	27.1	28.1	28.5
	6H	27.3	28.2	27.7	28.6	29.0	27.0	27.9	27.4	28.3	28.7
	8H	27.3	28.1	27.7	28.5	29.0	27.0	27.8	27.4	28.2	28.6
	12H	27.2	28.0	27.7	28.4	28.9	26.9	27.7	27.4	28.1	28.6
8H	4H	27.2	28.1	27.7	28.5	28.9	27.0	27.8	27.4	28.2	28.7
	6H	27.6	28.3	28.1	28.8	29.2	27.4	28.1	27.8	28.5	29.0
	8H	27.7	28.3	28.1	28.7	29.2	27.4	28.0	27.8	28.4	28.9
	12H	27.6	28.2	28.1	28.6	29.2	27.3	27.9	27.9	28.4	28.9
12H	4H	27.2	28.0	27.7	28.4	28.9	27.0	27.8	27.4	28.2	28.6
	6H	27.7	28.3	28.1	28.7	29.2	27.4	28.0	27.9	28.5	28.9
	8H	27.7	28.2	28.2	28.7	29.2	27.4	27.9	27.9	28.4	28.9
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4					

CIE Pub.117, 499.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.4)
Area: 0.014 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-24

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:0.0550A P:6.0400W PF:0.9100 Freq:60.00Hz Lamp Flux:499.354x1 lm		
NAME: ASD-JBR-3D6WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.135	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) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	57	46	39	55	45	39	32
0.80	67	56	49	66	55	48	64	55	48	41
1.00	76	65	58	75	64	57	72	66	57	50
1.25	83	73	66	82	72	65	79	70	64	57
1.50	88	78	71	86	77	71	83	75	70	62
2.00	95	87	80	93	85	79	89	83	78	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	96	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	99	95	92	83
5.00	109	104	100	106	102	98	101	98	95	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

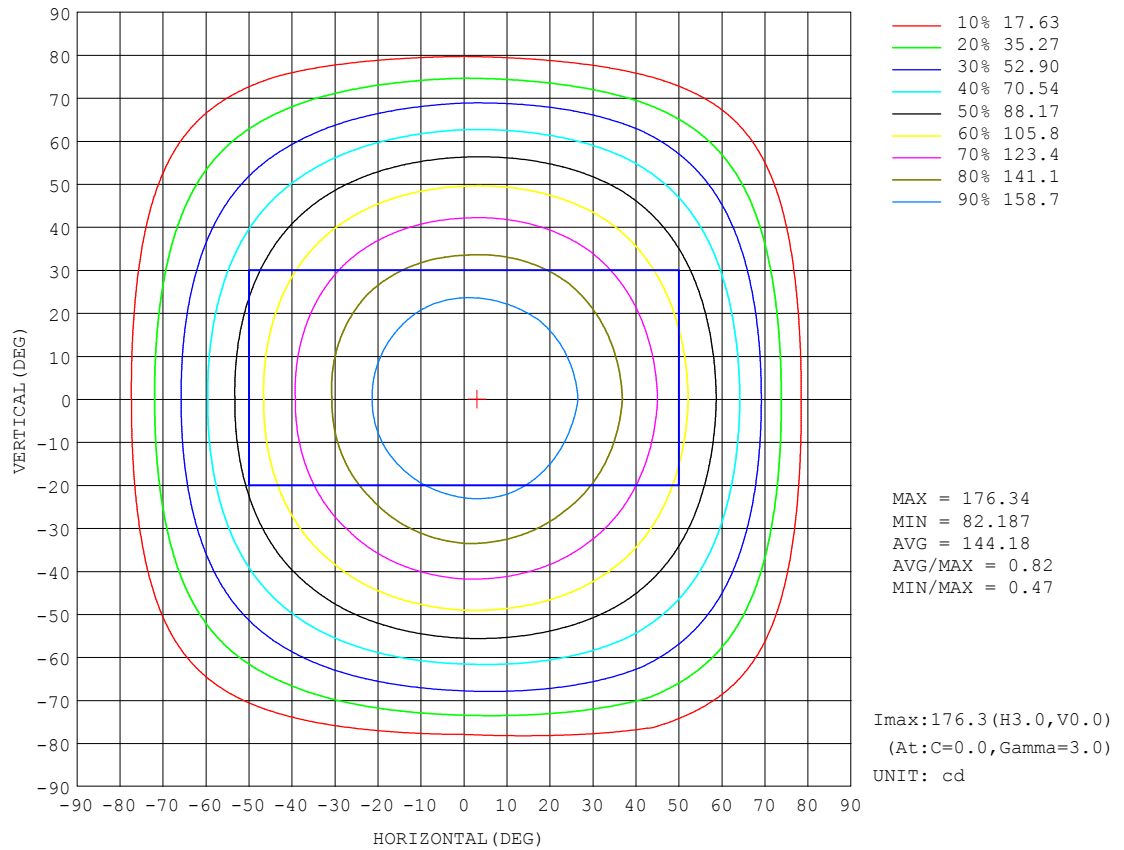
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EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

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SPEC.:5000K	DIM.:	SERIAL No.:
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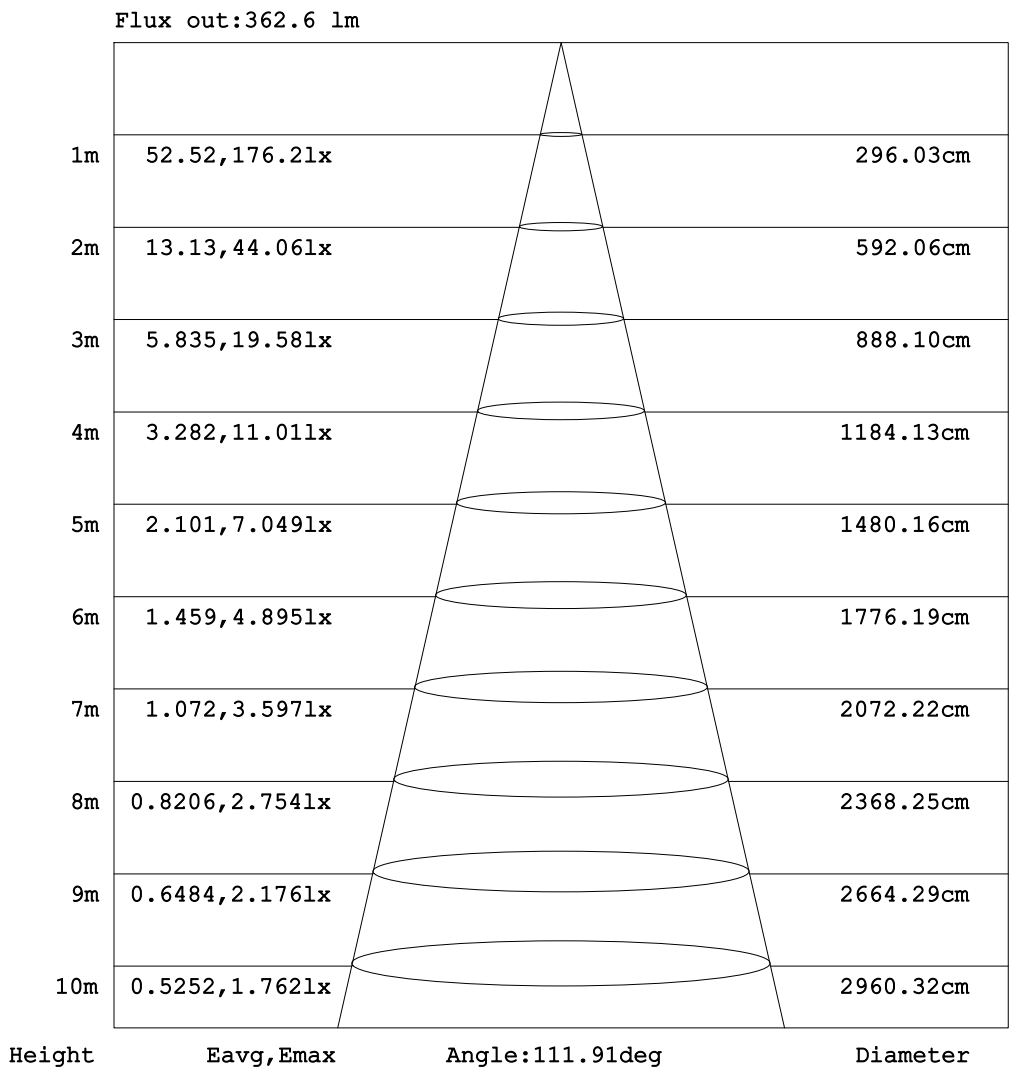
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EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

Test:U:120.00V I:0.0550A P:6.0400W PF:0.9100 Freq:60.00Hz Lamp Flux:499.354x1 lm		
NAME: ASD-JBR-3D6WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.135	Shielding Angle:



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

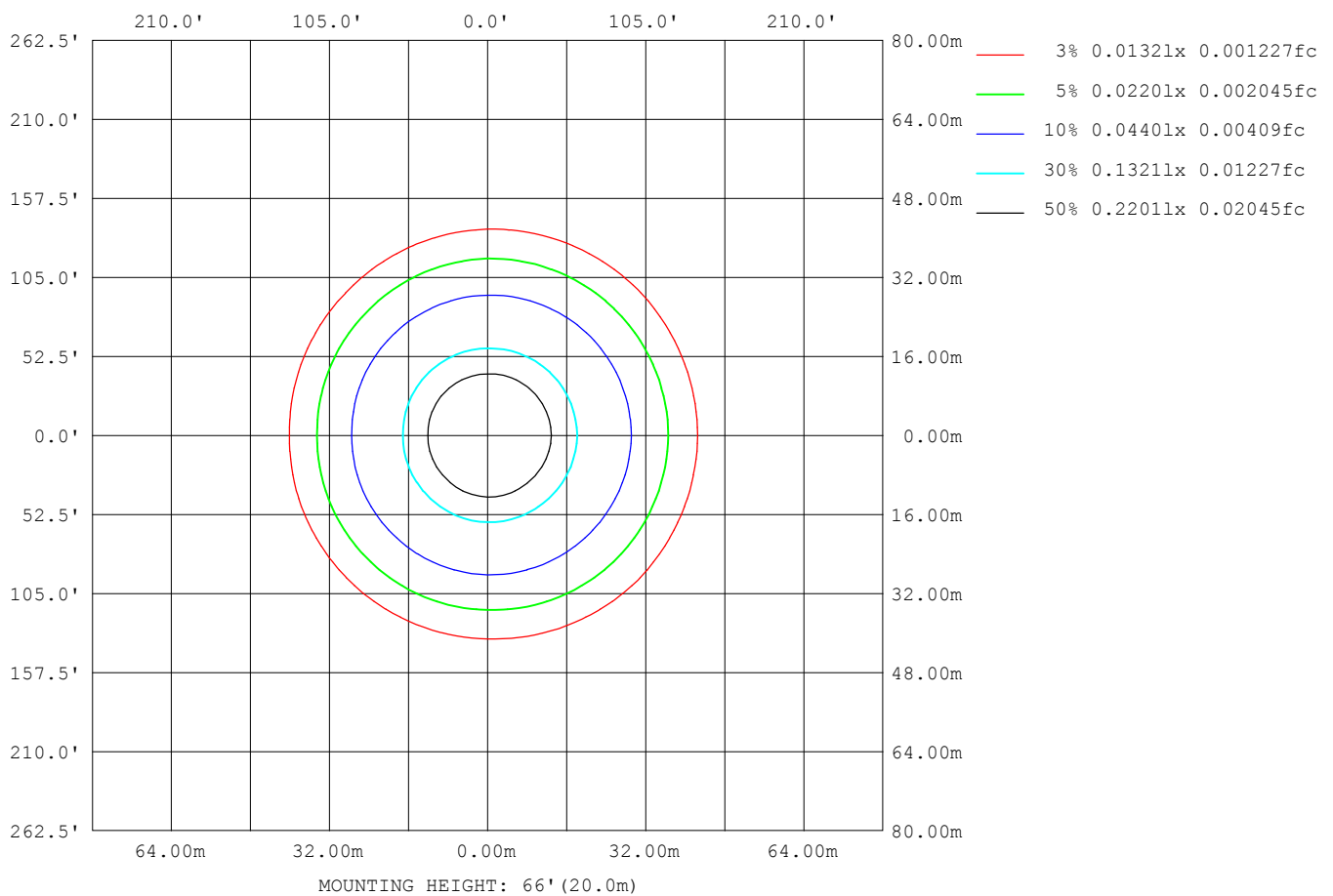
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EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Test:U:120.00V I:0.0550A P:6.0400W PF:0.9100 Freq:60.00Hz Lamp Flux:499.354x1 lm		
NAME: ASD-JBR-3D6WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.135	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-24

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:0.0550A P:6.0400W PF:0.9100 Freq:60.00Hz Lamp Flux:499.354x1 lm		
NAME: ASD-JBR-3D6WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.135	Shielding Angle:

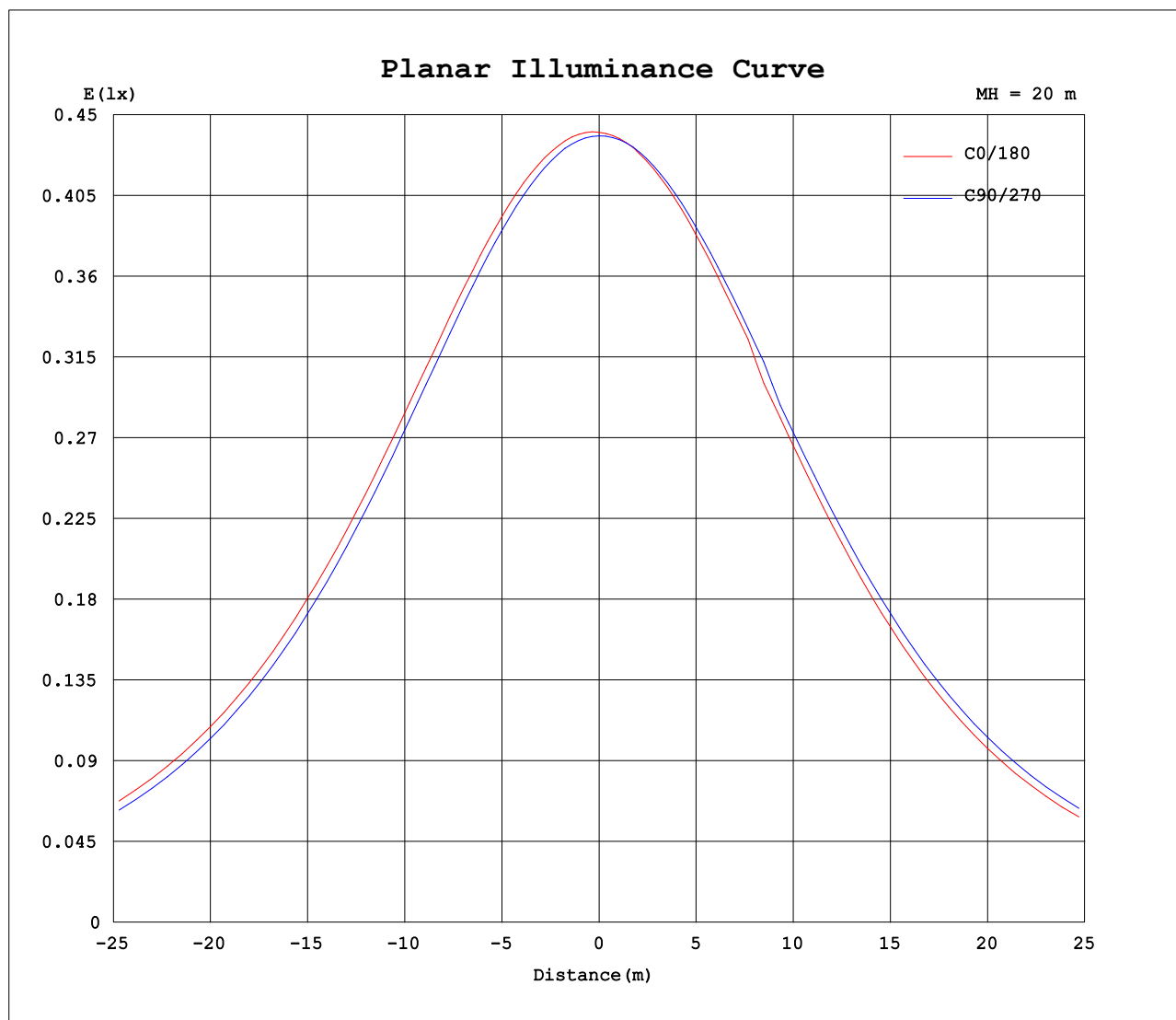
AvgL	cd/m2
L_0~180 (65) av	10332
L_0~180 (75) av	7765
L_0~180 (85) av	1132
L_90~270 (65) av	10534
L_90~270 (75) av	8770
L_90~270 (85) av	996
L_45 (65) av	10529
L_45 (75) av	8671
L_45 (85) av	2761

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-24

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: 2024-09-24

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:0.0550A P:6.0400W PF:0.9100 Freq:60.00Hz Lamp Flux:499.354x1 lm		
NAME: ASD-JBR-3D6WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.135	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	176	176	176	176	176	176	176	176										
5	176	175	175	174	174	174	174	175										
10	174	173	172	172	171	172	173	174										
15	171	170	168	167	166	167	169	170										
20	166	165	163	161	160	162	164	165										
25	160	158	156	152	151	154	155	159										
30	153	149	148	144	142	146	147	152										
35	144	140	138	134	132	136	138	143										
40	134	130	128	123	121	125	128	132										
45	123	119	116	112	109	114	117	121										
50	111	107	103	99.0	96.6	101	105	109										
55	97.9	93.9	89.9	85.7	83.3	87.5	91.7	96.1										
60	84.2	80.3	75.1	71.8	69.2	72.5	78.0	81.8										
65	67.3	66.2	60.7	57.6	54.9	58.3	63.9	67.2										
70	49.8	51.5	46.7	42.2	40.8	44.1	49.7	51.6										
75	30.9	35.5	29.6	26.8	25.4	30.4	34.0	33.0										
80	11.8	18.3	9.91	9.82	8.53	14.9	16.5	14.5										
85	1.24	6.62	1.35	2.60	1.52	2.96	1.09	1.30										
90	1.04	1.48	1.03	1.10	0.67	0.79	0.78	0.65										
95	1.06	1.06	1.08	1.10	0.75	0.71	0.71	0.66										
100	1.10	1.12	1.14	1.17	0.85	0.81	0.79	0.76										
105	1.17	1.19	1.20	1.24	0.95	0.90	0.88	0.85										
110	1.25	1.25	1.26	1.31	1.06	1.01	0.98	0.96										
115	1.31	1.32	1.33	1.39	1.17	1.10	1.09	1.08										
120	1.35	1.38	1.38	1.49	1.27	1.23	1.19	1.23										
125	1.40	1.44	1.43	1.60	1.37	1.35	1.29	1.37										
130	1.46	1.49	1.48	1.66	1.47	1.42	1.38	1.47										
135	1.51	1.55	1.54	1.70	1.56	1.51	1.48	1.57										
140	1.58	1.61	1.61	1.74	1.66	1.61	1.58	1.56										
145	1.65	1.69	1.71	1.81	1.76	1.70	1.69	1.65										
150	1.74	1.78	1.78	1.90	1.86	1.79	1.78	1.75										
155	1.83	1.85	1.86	1.89	1.94	1.94	1.88	1.84										
160	1.92	1.93	1.94	1.97	2.02	1.96	1.96	1.93										
165	2.00	2.00	2.01	2.04	2.08	2.02	2.04	2.00										
170	2.06	2.07	2.07	2.09	2.13	2.08	2.10	2.07										
175	2.12	2.11	2.11	2.13	2.16	2.11	2.14	2.11										
180	2.17	2.14	2.14	2.15	2.17	2.14	2.15	2.14										

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