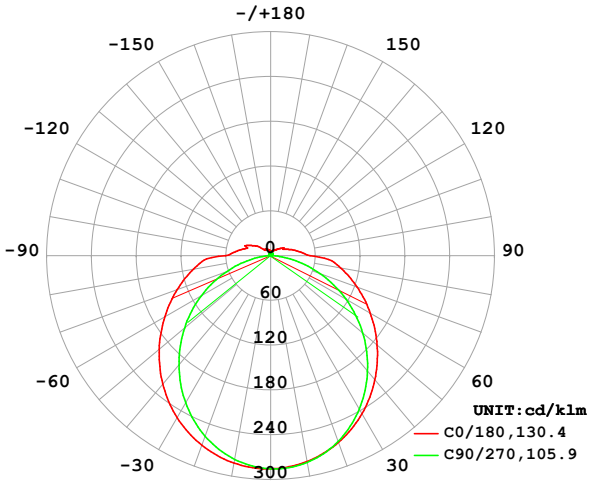
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:0V I:0.0004A P:0W PF:0.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1373.27x1 lm		
NAME: ASD-LSF8-2A25WH-QB-8EM	TYPE:	WEIGHT:
SPEC.: 8W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.6*0.1m	Shielding Angle:

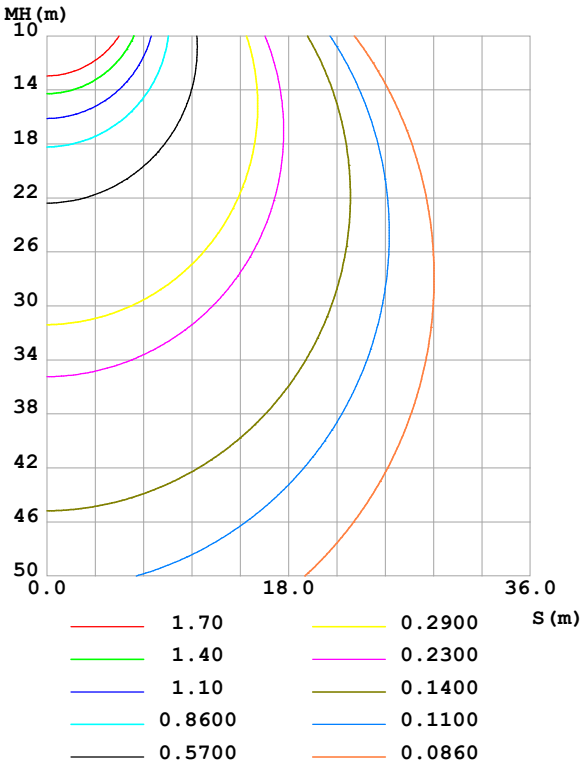
DATA OF LAMP		PHOTOMETRIC DATA			
MODEL ASD-LSF8-2A25WH-QB-8EM		Imax(cd/klm)	285.7	S/MH(C0/180)	1.31
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	1.19
RATED VOLTAGE(V)	120	TOTAL FLUX(lm/klm)	1000.0	η UP,DN(C0-180)	4.4,45.7
NOMINAL FLUX(lm)	1373.27	CIE CLASS	DIRECT	η UP,DN(C180-360)	4.8,45.1
LAMPS INSIDE	1	η up(%)	9.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	90.8	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):118.2 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx/klm)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2024-11-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:9.770m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	280.1	280.5	281.4	282.1	282.2	279.9	277.3	278.4	0- 10	27.00	27.00	2.7,2.7
20	266.2	265.2	264.9	268.2	270.1	263.9	257.3	261.0	10- 20	77.21	104.2	10.4,10.4
30	244.7	240.5	237.5	244.9	250.6	239.2	227.8	235.1	20- 30	116.7	221.0	22.1,22.1
40	217.3	208.5	202.0	214.2	224.8	207.9	191.4	202.7	30- 40	140.8	361.8	36.2,36.2
50	186.3	172.3	161.0	178.7	195.1	172.3	150.5	166.8	40- 50	147.5	509.3	50.9,50.9
60	154.3	135.2	116.5	141.6	163.7	136.1	107.1	130.5	50- 60	138.1	647.3	64.7,64.7
70	123.4	99.76	70.43	106.2	133.3	102.2	62.81	96.70	60- 70	116.2	763.5	76.4,76.4
80	95.26	68.71	26.70	74.78	105.2	73.15	21.78	67.81	70- 80	87.24	850.8	85.1,85.1
90	52.87	38.72	0.8510	49.25	60.64	49.77	0.6775	36.45	80- 90	57.07	907.9	90.8,90.8
100	36.81	24.02	0.8246	32.74	42.98	33.03	1.031	23.09	90-100	32.36	940.2	94,94
110	25.31	14.99	1.330	21.29	34.79	20.65	1.581	14.58	100-110	21.35	961.6	96.2,96.2
120	20.88	9.939	1.821	12.51	27.24	11.91	2.077	10.51	110-120	14.24	975.8	97.6,97.6
130	14.44	7.970	2.395	9.421	15.10	8.640	2.691	8.510	120-130	9.323	985.1	98.5,98.5
140	10.62	7.136	2.994	7.491	10.79	6.089	3.274	7.447	130-140	5.873	991.0	99.1,99.1
150	8.585	5.957	3.509	6.493	10.16	7.204	3.716	5.968	140-150	4.232	995.2	99.5,99.5
160	7.004	4.920	3.931	6.055	7.963	6.626	3.996	4.869	150-160	2.804	998.0	99.8,99.8
170	5.433	4.243	4.432	5.246	6.153	5.609	4.506	4.121	160-170	1.509	999.5	100,100
180	4.284	4.833	5.051	4.878	4.259	4.828	4.992	4.878	170-180	0.4634	1000	100,100
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

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C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2024-11-14

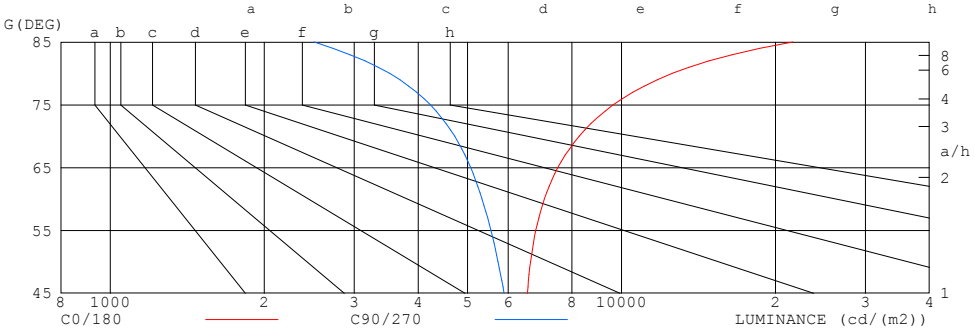
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:9.770m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:0V I:0.0004A P:0W PF:0.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1373.27x1 lm		
NAME: ASD-LSF8-2A25WH-QB-8EM	**TYPE:**	**WEIGHT:**
SPEC.: 8W-5000K	**DIM.:**	**SERIAL No.:**
MFR.: ASD Lighting Corp.	**SUR.: 0.6*0.1m**	**Shielding Angle:**

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	21618	2504
80	12563	3520
75	9634	4225
70	8261	4714
65	7509	5067
60	7067	5335
55	6798	5552
50	6637	5734
45	6545	5893

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γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:9.770m [K=1.0000]
Remarks:

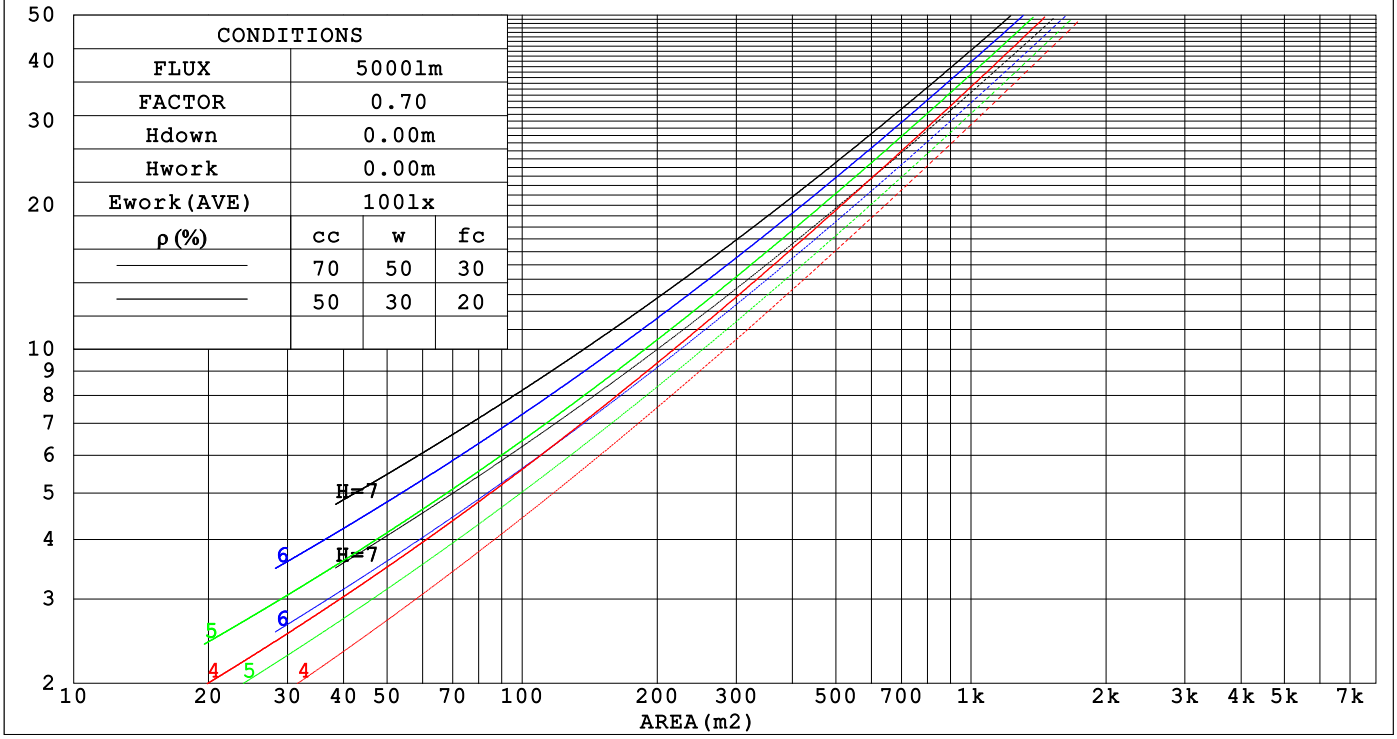
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:0V I:0.0004A P:0W PF:0.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1373.27x1 lm		
NAME: ASD-LSF8-2A25WH-QB-8EM	TYPE:	WEIGHT:
SPEC.: 8W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.6*0.1m	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.17	1.17	1.17	1.13	1.13	1.13	1.06	1.06	1.06	.00	.00	.00	.94	.94	.94	.91
1.0	.99	.94	.90	.96	.91	.87	.90	.86	.83	.84	.81	.79	.79	.77	.75	.72
2.0	.85	.78	.72	.83	.76	.70	.78	.72	.67	.73	.68	.64	.68	.65	.61	.58
3.0	.75	.66	.59	.72	.64	.58	.68	.61	.55	.64	.58	.53	.60	.55	.51	.49
4.0	.66	.56	.49	.64	.55	.49	.60	.53	.47	.57	.50	.45	.53	.48	.44	.41
5.0	.59	.49	.42	.57	.48	.42	.54	.46	.40	.51	.44	.39	.48	.42	.38	.35
6.0	.53	.43	.37	.51	.42	.36	.48	.41	.35	.46	.39	.34	.43	.38	.33	.31
7.0	.48	.39	.32	.46	.38	.32	.44	.36	.31	.42	.35	.30	.40	.34	.29	.27
8.0	.43	.35	.29	.42	.34	.28	.40	.33	.28	.38	.32	.27	.36	.31	.26	.24
9.0	.40	.31	.26	.39	.31	.25	.37	.30	.25	.35	.29	.24	.34	.28	.24	.22
10.0	.37	.29	.23	.36	.28	.23	.34	.27	.22	.33	.26	.22	.31	.25	.21	.20

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



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C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2024-11-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:9.770m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:0V I:0.0004A P:0W PF:0.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1373.27x1 lm		
NAME: ASD-LSF8-2A25WH-QB-8EM	TYPE:	WEIGHT:
SPEC.: 8W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.6*0.1m	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.359	.204	.065	.349	.199	.063	.331	.190	.061	.313	.181	.058	.298	.173	.056	
2.0	.319	.175	.054	.310	.171	.053	.293	.163	.051	.278	.156	.049	.263	.149	.047	
3.0	.287	.153	.046	.279	.149	.045	.264	.143	.043	.250	.137	.042	.237	.131	.041	
4.0	.260	.135	.040	.253	.132	.039	.239	.127	.038	.227	.122	.037	.215	.117	.036	
5.0	.238	.121	.035	.231	.119	.035	.219	.114	.034	.208	.110	.033	.197	.105	.032	
6.0	.219	.110	.031	.213	.108	.031	.202	.104	.030	.192	.100	.029	.182	.096	.028	
7.0	.203	.100	.028	.197	.098	.028	.187	.095	.027	.178	.091	.027	.169	.088	.026	
8.0	.188	.092	.026	.184	.090	.026	.174	.087	.025	.166	.084	.024	.158	.081	.024	
9.0	.176	.085	.024	.171	.084	.023	.163	.081	.023	.155	.078	.022	.148	.075	.022	
10.0	.165	.079	.022	.161	.078	.022	.153	.075	.021	.146	.073	.021	.139	.070	.020	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.261	.261	.261	.223	.223	.223	.152	.152	.152	.087	.087	.087	.028	.028	.028	
1.0	.255	.226	.201	.218	.194	.173	.149	.134	.120	.086	.077	.070	.027	.025	.023	
2.0	.247	.203	.166	.212	.175	.144	.145	.121	.100	.084	.070	.059	.027	.023	.019	
3.0	.239	.186	.144	.205	.161	.124	.141	.112	.087	.081	.065	.051	.026	.021	.017	
4.0	.232	.173	.129	.199	.150	.112	.137	.104	.079	.079	.061	.047	.025	.020	.015	
5.0	.224	.163	.118	.192	.141	.103	.132	.099	.073	.077	.058	.043	.025	.019	.014	
6.0	.216	.155	.111	.186	.134	.097	.128	.094	.068	.074	.055	.041	.024	.018	.013	
7.0	.209	.148	.105	.180	.128	.092	.124	.090	.065	.072	.053	.039	.023	.017	.013	
8.0	.203	.143	.101	.175	.124	.088	.121	.087	.063	.070	.051	.037	.023	.017	.012	
9.0	.197	.138	.098	.169	.119	.085	.117	.084	.061	.068	.050	.036	.022	.016	.012	
10.0	.191	.133	.095	.164	.116	.083	.114	.082	.059	.067	.048	.035	.022	.016	.012	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
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Test Date:2024-11-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:9.770m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:0V I:0.0004A P:0W PF:0.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1373.27x1 lm		
NAME: ASD-LSF8-2A25WH-QB-8EM	TYPE:	WEIGHT:
SPEC.: 8W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.6*0.1m	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	17.9	19.4	18.3	19.7	20.1	17.0	18.4	17.4	18.8	19.2
3H	20.1	21.5	20.6	21.9	22.3	18.4	19.8	18.9	20.2	20.6
4H	21.4	22.6	21.8	23.1	23.5	19.0	20.3	19.5	20.7	21.2
6H	22.7	23.9	23.2	24.3	24.8	19.4	20.6	19.9	21.1	21.5
8H	23.4	24.6	23.9	25.1	25.5	19.5	20.7	20.0	21.1	21.6
12H	24.3	25.4	24.8	25.9	26.4	19.6	20.7	20.1	21.2	21.7
4H 2H	18.5	19.7	18.9	20.2	20.6	17.8	19.0	18.2	19.4	19.9
3H	20.9	22.0	21.4	22.5	23.0	19.5	20.6	20.0	21.1	21.6
4H	22.3	23.3	22.8	23.8	24.4	20.3	21.3	20.8	21.8	22.3
6H	23.8	24.8	24.4	25.3	25.8	20.9	21.8	21.4	22.3	22.9
8H	24.7	25.6	25.3	26.1	26.7	21.0	21.9	21.6	22.4	23.0
12H	25.7	26.5	26.3	27.1	27.7	21.2	22.0	21.7	22.5	23.1
8H 4H	22.6	23.5	23.2	24.0	24.6	20.9	21.8	21.5	22.3	22.9
6H	24.4	25.2	25.0	25.7	26.3	21.8	22.6	22.4	23.1	23.7
8H	25.5	26.1	26.1	26.7	27.4	22.2	22.9	22.8	23.4	24.1
12H	26.7	27.3	27.3	27.9	28.6	22.5	23.1	23.1	23.7	24.3
12H 4H	22.7	23.5	23.2	24.0	24.6	21.1	21.9	21.7	22.5	23.1
6H	24.5	25.2	25.1	25.8	26.4	22.2	22.8	22.8	23.4	24.1
8H	25.7	26.2	26.3	26.8	27.5	22.7	23.3	23.3	23.9	24.5

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 0.1 / - 0.1	+ 0.1 / - 0.2
1.5H	+ 0.2 / - 0.2	+ 0.2 / - 0.3
2.0H	+ 0.2 / - 0.3	+ 0.2 / - 0.4

CIE Pub.117, 1373 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.1)
Area: 0.06 m2

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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:9.770m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:0V I:0.0004A P:0W PF:0.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1373.27x1 lm		
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SPEC.: 8W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.6*0.1m	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) x RCR = 5									
k = 0.60	52	40	33	51	40	33	50	39	33	26
0.80	62	50	42	61	49	41	58	48	41	33
1.00	70	58	50	68	57	49	65	58	48	41
1.25	77	65	57	75	64	56	71	62	55	47
1.50	82	71	63	80	69	62	76	67	60	51
2.00	89	79	71	86	77	70	82	74	68	58
2.50	93	84	77	90	82	75	85	78	73	62
3.00	97	88	82	94	86	80	88	82	77	66
4.00	101	94	88	98	91	86	92	87	82	71
5.00	104	98	92	100	95	90	94	90	86	74
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

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Humidity:65.0%
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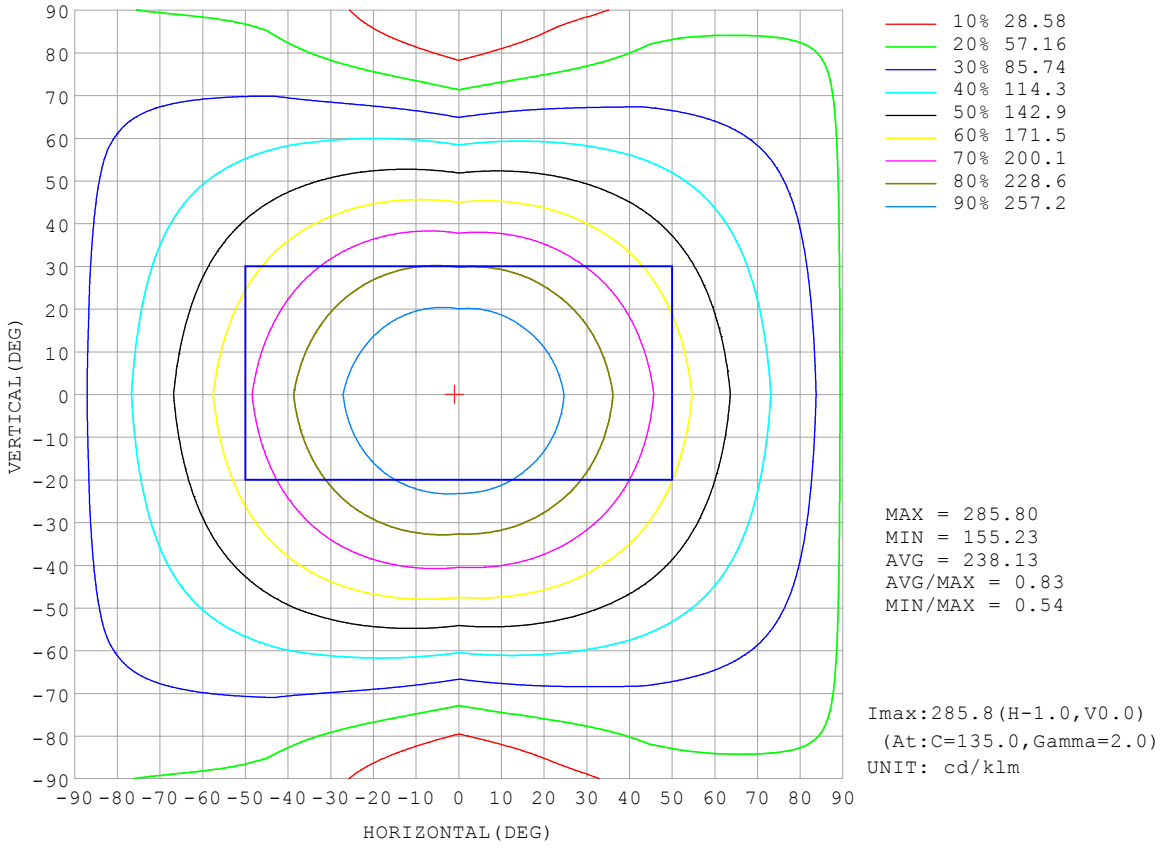
Remarks:

ISOCANDELA DIAGRAM

Test:U:0V I:0.0004A P:0W PF:0.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1373.27x1 lm		
NAME: ASD-LSF8-2A25WH-QB-8EM	TYPE:	WEIGHT:
SPEC.: 8W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.6*0.1m	Shielding Angle:



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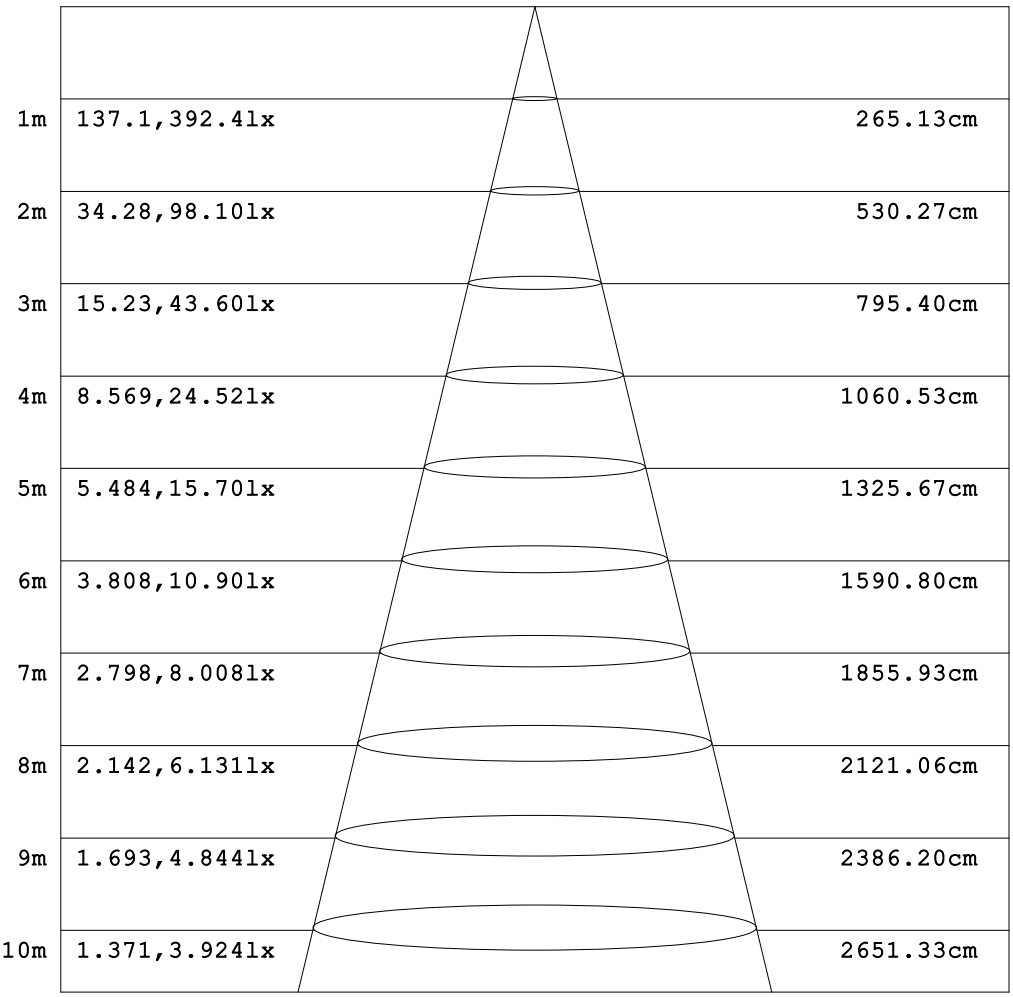
AAI Figure

Test:U:0V I:0.0004A P:0W PF:0.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1373.27x1 lm		
NAME: ASD-LSF8-2A25WH-QB-8EM	TYPE:	WEIGHT:
SPEC.: 8W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.6*0.1m	Shielding Angle:

Flux out:758.5 lm



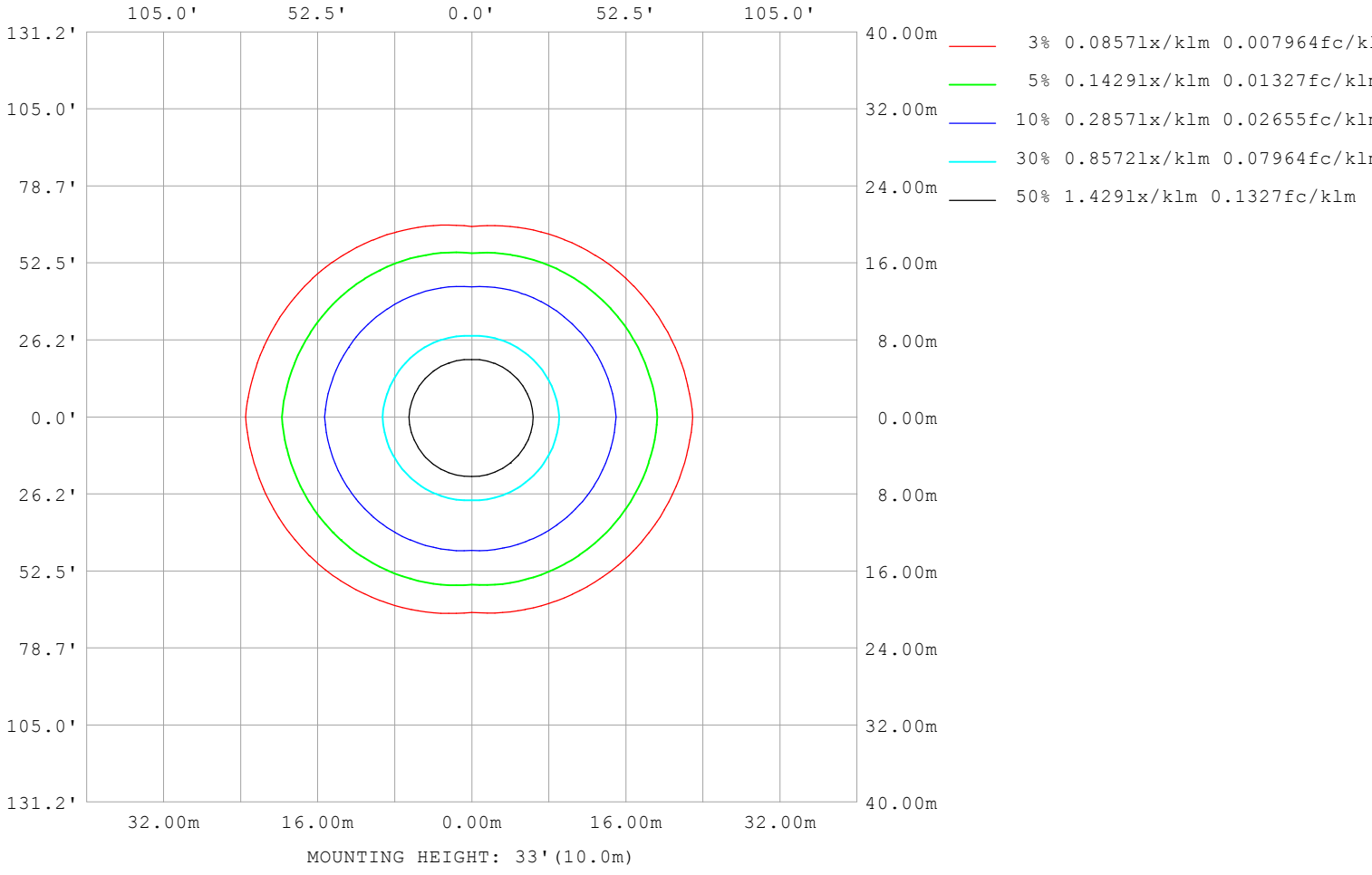
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2024-11-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:9.770m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:0V I:0.0004A P:0W PF:0.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1373.27x1 lm		
NAME: ASD-LSF8-2A25WH-QB-8EM	TYPE:	WEIGHT:
SPEC.: 8W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.6*0.1m	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2024-11-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:9.770m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:0V I:0.0004A P:0W PF:0.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1373.27x1 lm		
NAME: ASD-LSF8-2A25WH-QB-8EM	TYPE:	WEIGHT:
SPEC.: 8W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.6*0.1m	Shielding Angle:

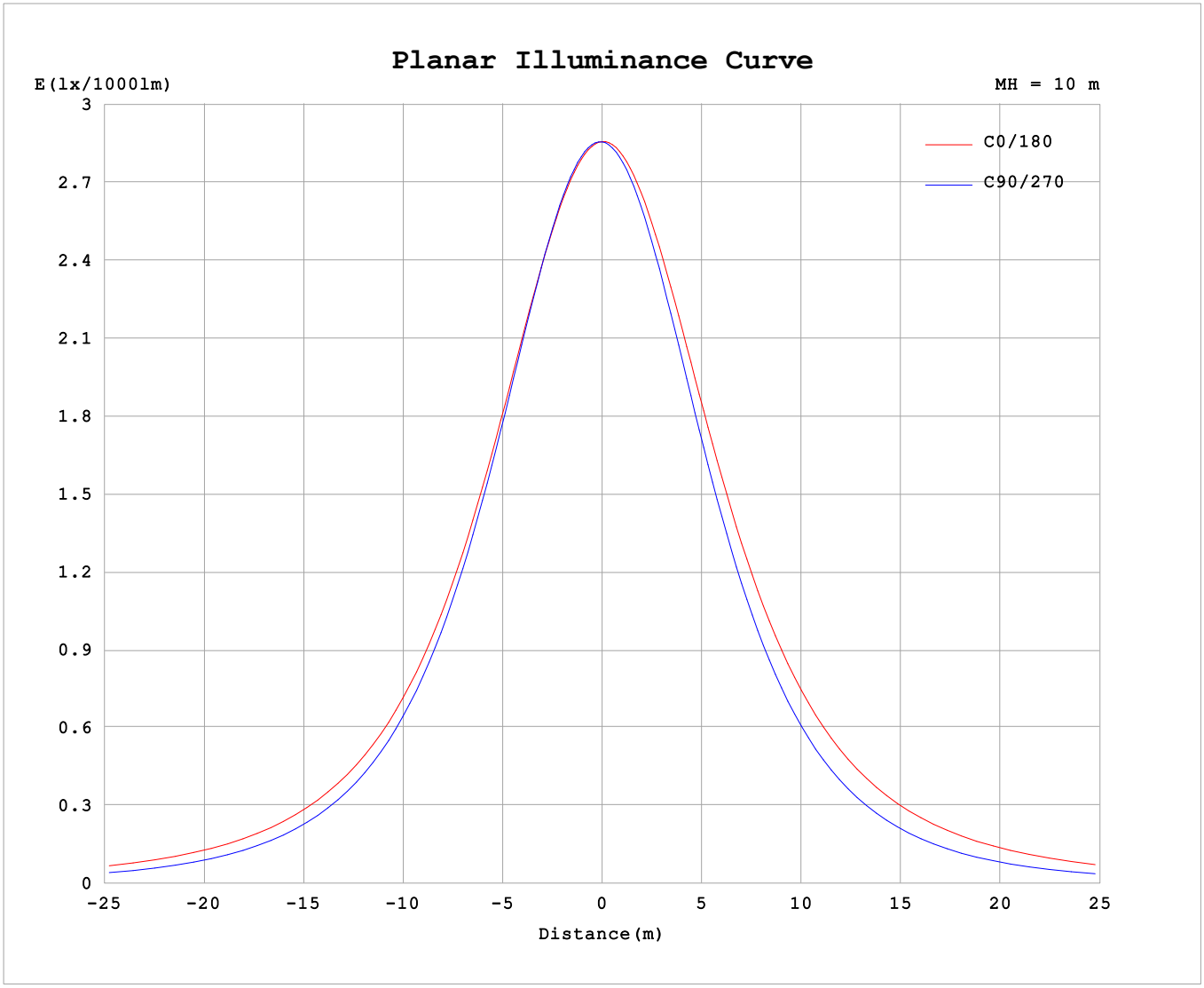
AvgL	cd/m2
L_0~180(65)av	7768
L_0~180(75)av	10072
L_0~180(85)av	22918
L_90~270(65)av	4833
L_90~270(75)av	3942
L_90~270(85)av	2112
L_45(65)av	6396
L_45(75)av	7560
L_45(85)av	15290

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2024-11-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:9.770m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:lianghaizhu-2
Test Date:2024-11-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:9.770m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:0V I:0.0004A P:0W PF:0.0000 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1373.27x1 lm		
NAME: ASD-LSF8-2A25WH-QB-8EM	TYPE:	WEIGHT:
SPEC.: 8W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.: 0.6*0.1m	Shielding Angle:

Table--1 UNIT: cd/klm

γ (DEG) \ C(DEG)	0	45	90	135	180	225	270	315
0	286	286	286	286	286	286	286	286
5	284	284	285	285	285	284	283	283
10	280	281	281	282	282	280	277	278
15	274	274	275	276	277	273	269	271
20	266	265	265	268	270	264	257	261
25	256	254	252	258	261	253	243	249
30	245	240	238	245	251	239	228	235
35	232	225	221	230	238	224	210	220
40	217	209	202	214	225	208	191	203
45	202	191	182	197	210	190	171	185
50	186	172	161	179	195	172	150	167
55	170	154	139	160	179	154	129	148
60	154	135	117	142	164	136	107	130
65	139	117	93.5	124	148	119	84.9	113
70	123	99.8	70.4	106	133	102	62.8	96.7
75	109	83.6	47.8	89.8	119	87.0	41.4	81.5
80	95.3	68.7	26.7	74.8	105	73.2	21.8	67.8
85	82.3	55.3	9.53	61.2	92.3	60.8	6.55	55.6
90	52.9	38.7	0.85	49.3	60.6	49.8	0.68	36.4
95	43.6	30.4	0.66	40.2	50.2	40.6	0.84	29.1
100	36.8	24.0	0.82	32.7	43.0	33.0	1.03	23.1
105	30.7	18.9	1.06	26.5	36.4	26.8	1.30	18.3
110	25.3	15.0	1.33	21.3	34.8	20.7	1.58	14.6
115	20.9	12.5	1.59	16.0	32.7	15.1	1.82	12.4
120	20.9	9.94	1.82	12.5	27.2	11.9	2.08	10.5
125	17.5	8.72	2.10	10.9	22.4	9.84	2.38	9.28
130	14.4	7.97	2.40	9.42	15.1	8.64	2.69	8.51
135	12.2	7.51	2.69	8.23	11.4	6.50	2.99	7.86
140	10.6	7.14	2.99	7.49	10.8	6.09	3.27	7.45
145	9.50	6.70	3.26	6.92	10.5	6.44	3.53	6.71
150	8.58	5.96	3.51	6.49	10.2	7.20	3.72	5.97
155	7.76	5.37	3.74	6.15	8.93	6.94	3.88	5.37
160	7.00	4.92	3.93	6.05	7.96	6.63	4.00	4.87
165	6.32	4.45	4.11	5.58	7.19	6.01	4.21	4.36
170	5.43	4.24	4.43	5.25	6.15	5.61	4.51	4.12
175	4.25	4.22	4.79	5.16	4.71	5.23	4.79	4.19
180	4.28	4.83	5.05	4.88	4.26	4.83	4.99	4.88

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