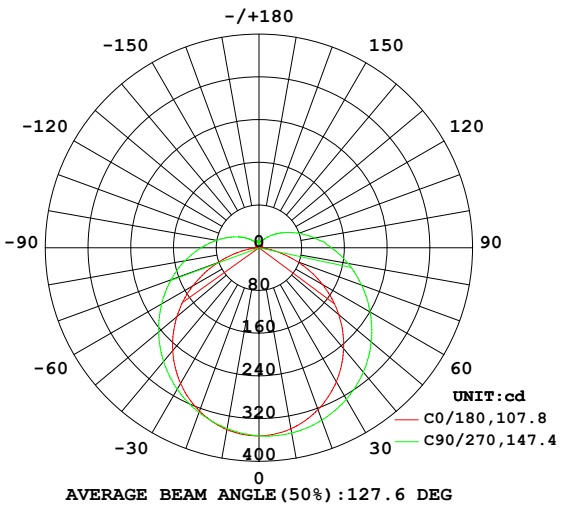
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.1776A P:19.99W PF:0.9380 Lamp Flux:1406.82x1 lm		
NAME: ASD Lighting corp	TYPE:N/A	WEIGHT:N/A
SPEC.: ASD-LVF21-18D20CC-NK	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

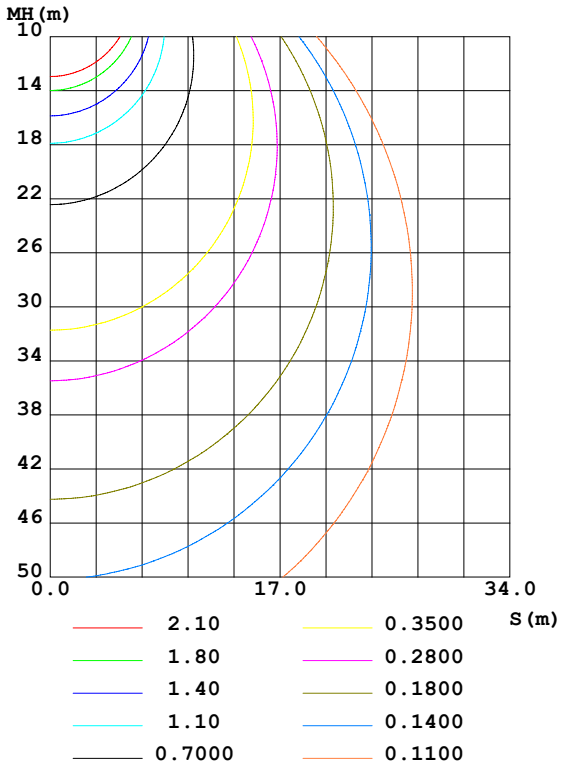
DATA OF LAMP		PHOTOMETRIC DATA Eff: 70.38 lm/W			
MODEL ASD-LVF21-18D20CC-NK		Imax(cd)	353.3	S/MH(C0/180)	1.24
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1406.8	η UP,DN(C0-180)	7.8,44.9
NOMINAL FLUX(lm)	1406.82	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	5.8,41.4
LAMPS INSIDE	1	η up(%)	13.6	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	86.4	CIBSE SHR MAX	1.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):127.6 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:East
Test Date:2020-07-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:35%
Test Distance:2.490m [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	344.2	348.5	352.0	350.2	345.8	343.9	343.9	343.0	0- 10	33.35	33.35	2.37,2.37
20	322.7	333.8	343.8	337.3	325.4	324.7	328.2	323.7	10- 20	95.86	129.2	9.18,9.18
30	289.7	308.8	327.5	314.3	293.5	296.3	306.1	296.1	20- 30	146.7	275.9	19.6,19.6
40	246.5	275.2	304.0	283.2	251.5	260.7	278.1	261.6	30- 40	180.3	456.2	32.4,32.4
50	195.2	235.7	274.4	246.1	200.8	219.4	245.2	221.7	40- 50	193.5	649.6	46.2,46.2
60	137.5	192.3	240.4	204.9	143.3	175.6	210.4	179.9	50- 60	186.2	835.8	59.4,59.4
70	77.06	148.6	204.5	163.2	82.55	132.1	175.2	139.1	60- 70	161.6	997.4	70.9,70.9
80	23.42	109.4	169.4	124.8	27.97	94.14	141.0	102.0	70- 80	126.6	1124	79.9,79.9
90	0.2800	77.29	135.8	92.11	0.3877	63.16	108.6	71.58	80- 90	91.16	1215	86.4,86.4
100	0.7988	53.49	106.3	66.69	1.390	40.83	80.71	48.39	90-100	64.37	1280	91,91
110	3.186	37.00	79.55	46.69	3.597	26.60	57.99	32.43	100-110	44.54	1324	94.1,94.1
120	5.868	26.25	57.19	32.98	6.396	17.80	40.38	21.81	110-120	30.12	1354	96.3,96.3
130	8.187	19.02	40.18	23.40	8.946	12.48	26.86	14.85	120-130	19.92	1374	97.7,97.7
140	10.83	14.66	26.97	16.91	11.40	10.74	17.08	11.81	130-140	12.99	1387	98.6,98.6
150	13.51	13.45	18.01	14.32	13.39	10.24	12.76	11.15	140-150	8.727	1396	99.2,99.2
160	14.34	13.67	14.58	13.71	13.07	12.68	11.94	11.90	150-160	6.083	1402	99.7,99.7
170	11.46	14.01	14.36	13.94	10.48	11.67	13.08	13.93	160-170	3.768	1406	99.9,99.9
180	9.084	7.515	0.3263	4.610	8.846	8.218	6.091	3.553	170-180	1.053	1407	100,100
DEG	LUMINOUS INTENSITY:cd Less than 25% Percent = 14.7 %									UNIT:lm		

Conical surface Flux(90deg): 552.56 lm

%lum = 39.3%
%lamp = 39.3%

Conical surface Flux(120deg): 835.84 lm

%lum = 59.4%
%lamp = 59.4%

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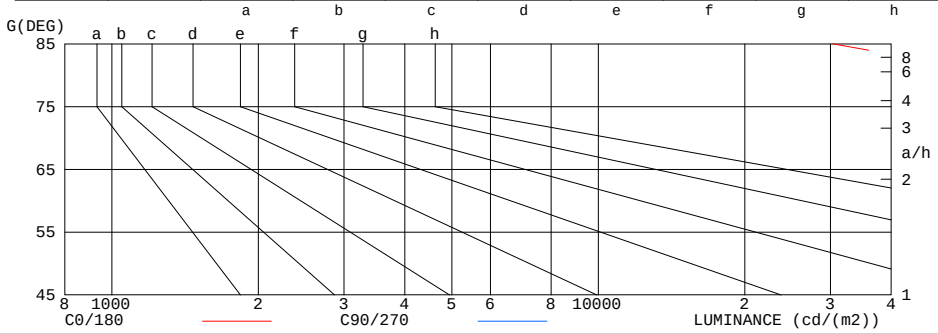
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:35%
Test Distance:2.490m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.1776A P:19.99W PF:0.9380 Lamp Flux:1406.82x1 lm		
NAME: ASD Lighting corp	TYPE:N/A	WEIGHT:N/A
SPEC.: ASD-LVF21-18D20CC-NK	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

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	30349	763459
80	58937	426294
75	80977	315124
70	98452	261234
65	110879	230092
60	120162	210096
55	127193	196428
50	132695	186546
45	137068	179156

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γ Interval: 1.0DEG
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Humidity:35%
Test Distance:2.490m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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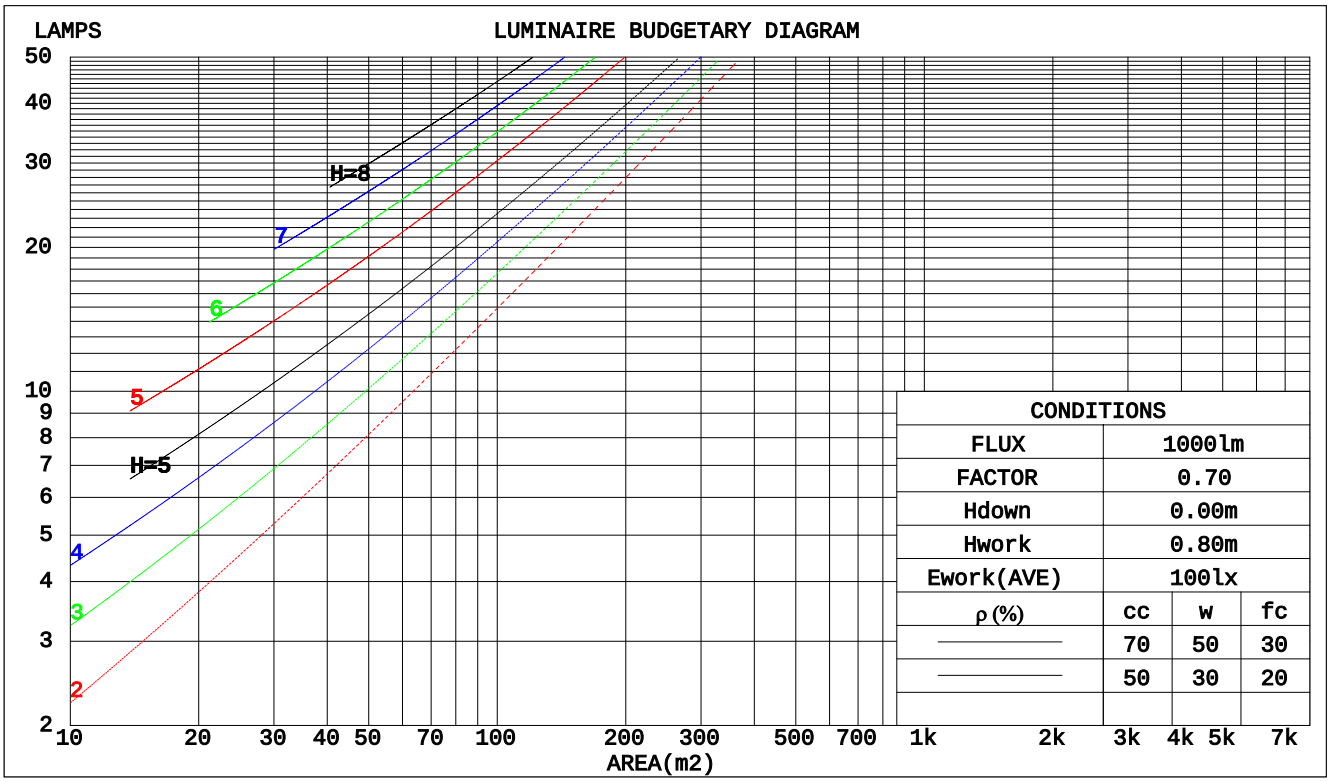
ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.16	1.16	1.16	1.12	1.12	1.12	1.04	1.04	1.04	.96	.96	.96	.90	.90	.90	.86
1.0	.97	.92	.88	.94	.89	.85	.87	.83	.80	.81	.78	.75	.75	.72	.70	.67
2.0	.84	.76	.70	.81	.74	.68	.75	.69	.64	.69	.65	.60	.64	.61	.57	.54
3.0	.73	.64	.57	.70	.62	.55	.65	.58	.53	.61	.55	.50	.56	.52	.48	.45
4.0	.64	.55	.48	.62	.53	.46	.57	.50	.44	.54	.47	.42	.50	.45	.40	.38
5.0	.57	.48	.41	.55	.46	.40	.51	.44	.38	.48	.41	.36	.45	.39	.35	.32
6.0	.51	.42	.35	.49	.41	.34	.46	.39	.33	.43	.37	.32	.40	.35	.30	.28
7.0	.46	.37	.31	.45	.36	.30	.42	.34	.29	.39	.33	.28	.37	.31	.27	.25
8.0	.42	.33	.27	.41	.32	.27	.38	.31	.26	.36	.29	.25	.34	.28	.24	.22
9.0	.38	.30	.24	.37	.29	.24	.35	.28	.23	.33	.27	.22	.31	.26	.21	.19
10.0	.35	.27	.22	.34	.27	.22	.32	.26	.21	.31	.24	.20	.29	.23	.19	.18



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Test Date:2020-07-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:35%
Test Distance:2.490m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.0V I:0.1776A P:19.99W PF:0.9380 Lamp Flux:1406.82x1 lm		
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MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

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	.371	.211	.067	.359	.205	.065	.338	.194	.062	.319	.184	.059	.301	.174	.056	
2.0	.325	.178	.055	.315	.174	.053	.296	.165	.051	.278	.156	.049	.262	.148	.047	
3.0	.291	.155	.046	.282	.151	.045	.265	.143	.044	.249	.136	.042	.234	.129	.040	
4.0	.263	.137	.040	.255	.133	.039	.239	.127	.038	.225	.121	.036	.211	.115	.035	
5.0	.240	.122	.035	.232	.119	.035	.218	.114	.033	.205	.108	.032	.193	.103	.031	
6.0	.220	.110	.032	.214	.108	.031	.201	.103	.030	.189	.098	.029	.178	.093	.028	
7.0	.204	.101	.029	.197	.098	.028	.186	.094	.027	.175	.090	.026	.164	.085	.025	
8.0	.189	.092	.026	.183	.090	.026	.173	.086	.025	.163	.082	.024	.153	.079	.023	
9.0	.176	.085	.024	.171	.083	.023	.161	.080	.023	.152	.076	.022	.143	.073	.021	
10.0	.165	.079	.022	.161	.078	.022	.151	.074	.021	.143	.071	.020	.135	.068	.019	

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	.294	.294	.294	.251	.251	.251	.172	.172	.172	.099	.099	.099	.032	.032	.032	
1.0	.289	.260	.234	.247	.223	.202	.169	.154	.139	.097	.089	.081	.031	.029	.026	
2.0	.282	.237	.199	.242	.204	.172	.166	.141	.120	.095	.082	.070	.031	.027	.023	
3.0	.274	.220	.177	.235	.190	.154	.162	.132	.108	.093	.077	.064	.030	.025	.021	
4.0	.267	.208	.163	.229	.179	.141	.157	.125	.099	.091	.073	.059	.029	.024	.019	
5.0	.259	.198	.152	.222	.171	.133	.153	.119	.094	.089	.070	.056	.029	.023	.018	
6.0	.252	.190	.145	.216	.164	.126	.149	.115	.089	.087	.068	.053	.028	.022	.018	
7.0	.245	.183	.140	.210	.159	.122	.145	.111	.086	.084	.066	.051	.027	.021	.017	
8.0	.238	.177	.136	.205	.154	.118	.142	.108	.084	.082	.064	.050	.027	.021	.017	
9.0	.232	.173	.133	.200	.150	.116	.138	.105	.082	.081	.062	.049	.026	.020	.016	
10.0	.226	.168	.130	.195	.146	.114	.135	.103	.081	.079	.061	.048	.026	.020	.016	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.8DEG
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Test Date:2020-07-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:35%
Test Distance:2.490m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.1776A P:19.99W PF:0.9380 Lamp Flux:1406.82x1 lm		
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SPEC.: ASD-LVF21-18D20CC-NK	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

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	28.6	30.0	29.0	30.4	30.9	30.8	32.2	31.3	32.7	33.1
3H	29.9	31.2	30.4	31.6	32.2	33.4	34.7	33.9	35.2	35.7
4H	30.3	31.6	30.8	32.1	32.6	34.8	36.0	35.3	36.5	37.1
6H	30.6	31.7	31.1	32.3	32.8	36.3	37.5	36.9	38.0	38.6
8H	30.6	31.7	31.2	32.3	32.8	37.2	38.3	37.7	38.8	39.4
12H	30.6	31.7	31.2	32.2	32.8	38.2	39.3	38.7	39.8	40.4
4H 2H	29.7	30.9	30.2	31.4	31.9	31.3	32.6	31.8	33.0	33.6
3H	31.2	32.3	31.8	32.8	33.4	34.1	35.2	34.7	35.7	36.3
4H	31.8	32.8	32.4	33.4	34.0	35.7	36.7	36.3	37.3	37.9
6H	32.2	33.1	32.8	33.7	34.4	37.5	38.4	38.1	39.0	39.6
8H	32.4	33.2	33.0	33.8	34.5	38.5	39.3	39.1	39.9	40.6
12H	32.4	33.2	33.0	33.8	34.5	39.6	40.4	40.3	41.0	41.7
8H 4H	32.9	33.7	33.5	34.3	35.0	36.0	36.8	36.6	37.4	38.1
6H	33.6	34.3	34.3	35.0	35.7	38.1	38.8	38.7	39.4	40.1
8H	33.9	34.5	34.5	35.2	35.9	39.3	39.9	39.9	40.6	41.3
12H	34.1	34.6	34.7	35.3	36.1	40.7	41.2	41.4	41.9	42.7
12H 4H	33.2	34.0	33.8	34.6	35.3	36.0	36.8	36.6	37.4	38.1
6H	34.2	34.8	34.9	35.5	36.2	38.2	38.8	38.8	39.4	40.2
8H	34.7	35.2	35.3	35.9	36.6	39.5	40.0	40.1	40.7	41.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 1407 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.2)

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Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
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Test Distance:2.490m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

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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	50	38	31	49	37	30	47	37	30	23
0.80	59	47	39	58	46	38	55	45	38	30
1.00	67	55	47	66	54	46	62	55	45	37
1.25	74	62	54	72	61	53	68	59	52	43
1.50	79	68	59	77	66	58	72	63	57	47
2.00	86	76	68	84	74	67	79	71	64	54
2.50	91	81	73	88	79	72	82	75	69	57
3.00	94	86	79	91	83	77	85	79	73	61
4.00	99	91	85	95	89	83	89	84	79	66
5.00	102	95	90	98	92	87	91	87	83	69
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

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ISOCANDELA DIAGRAM

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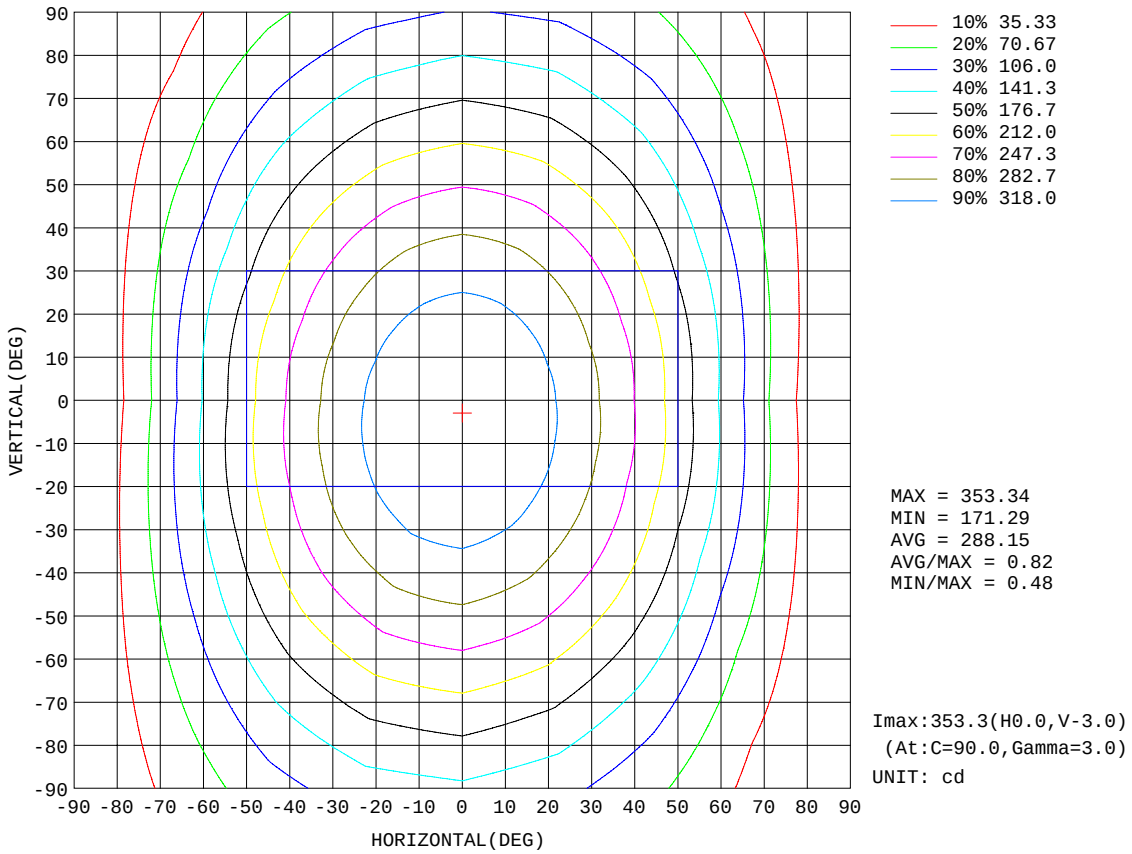

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AAI Figure

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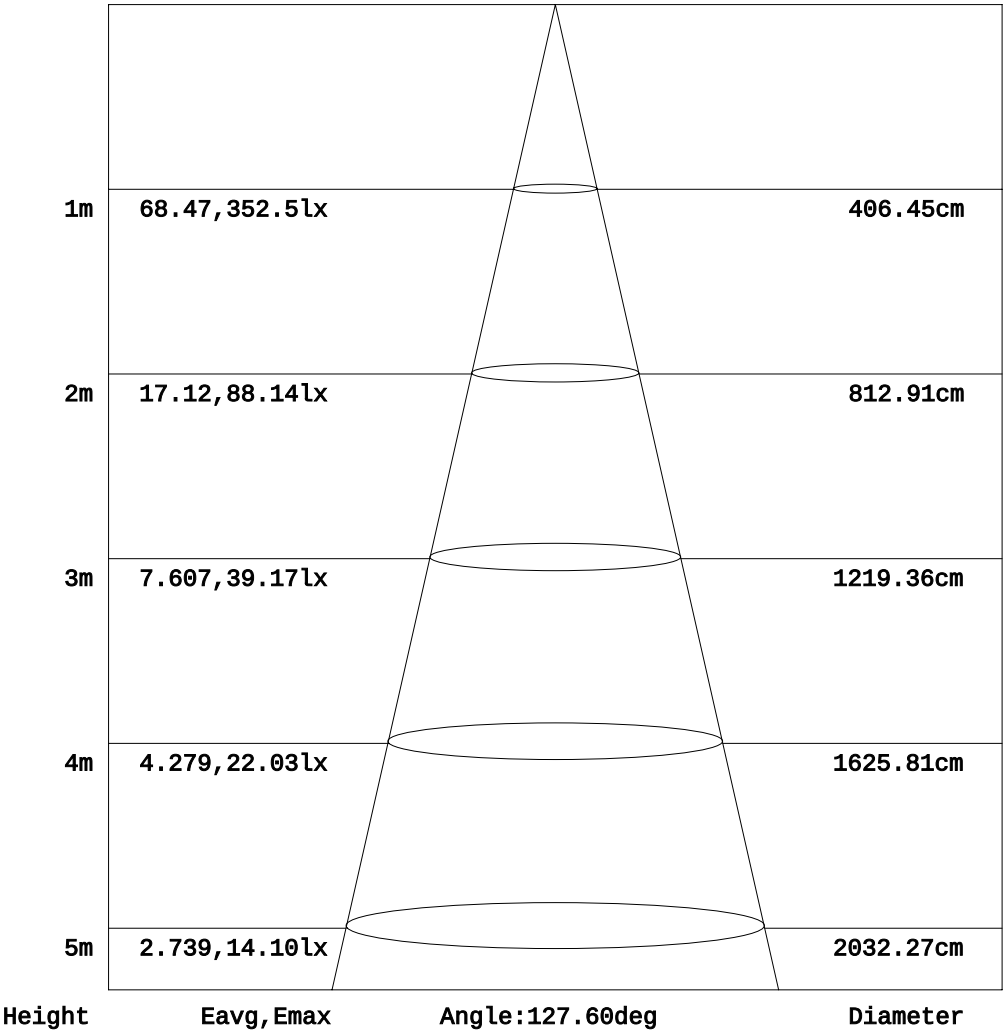
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

Flux out:904.2 lm



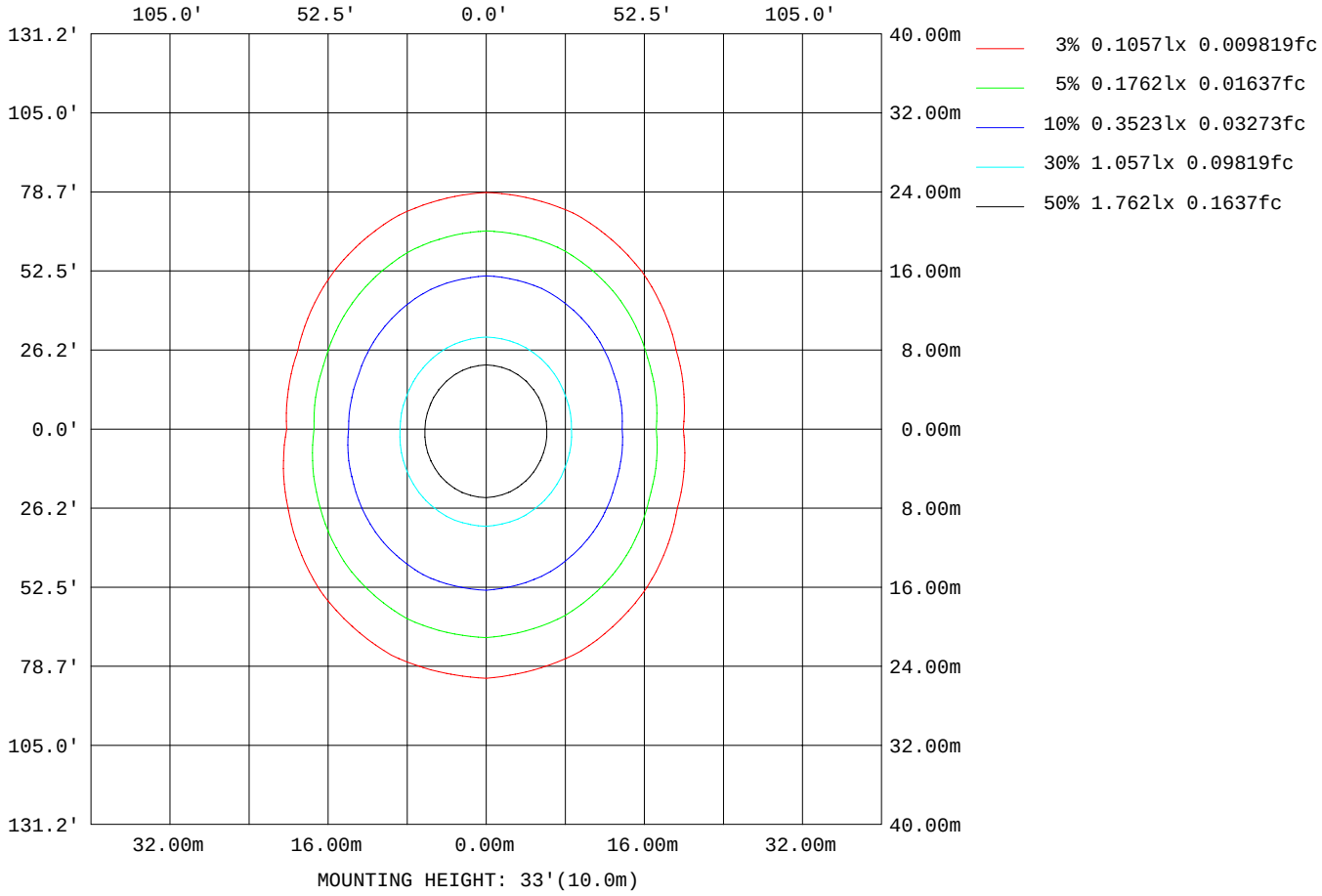
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:East
Test Date:2020-07-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:35%
Test Distance:2.490m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.1776A P:19.99W PF:0.9380 Lamp Flux:1406.82x1 lm		
NAME: ASD Lighting corp	TYPE:N/A	WEIGHT:N/A
SPEC.: ASD-LVF21-18D20CC-NK	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:East
Test Date:2020-07-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:35%
Test Distance:2.490m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.0V I:0.1776A P:19.99W PF:0.9380 Lamp Flux:1406.82x1 lm		
NAME: ASD Lighting corp	TYPE:N/A	WEIGHT:N/A
SPEC.: ASD-LVF21-18D20CC-NK	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

AvgL	cd/m2
L_0~180(65)av	113678
L_0~180(75)av	85695
L_0~180(85)av	37064
L_90~270(65)av	214672
L_90~270(75)av	290885
L_90~270(85)av	692393
L_45(65)av	172490
L_45(75)av	212445
L_45(85)av	455664

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
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Test Speed: HIGH
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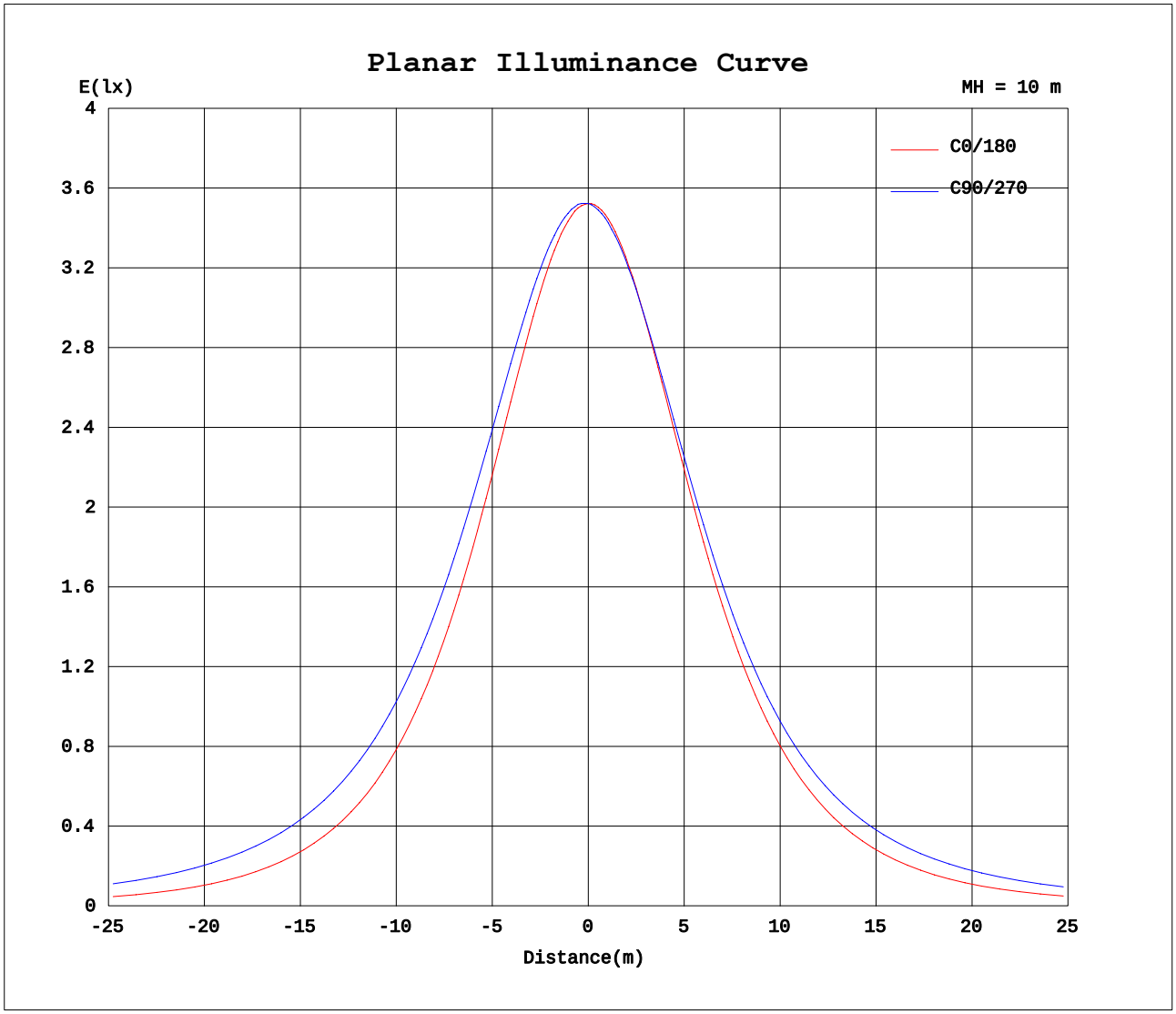
Test Date:2020-07-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:35%
Test Distance:2.490m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:East
Test Date:2020-07-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:35%
Test Distance:2.490m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1776A P:19.99W PF:0.9380 Lamp Flux:1406.82x1 lm		
NAME: ASD Lighting corp	TYPE:N/A	WEIGHT:N/A
SPEC.: ASD-LVF21-18D20CC-NK	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	352	352	352	352	352	352	352	352	352	352	352	352	352	352	352	352			
5	350	351	352	353	353	353	353	352	351	350	350	349	349	349	349	349			
10	344	346	349	351	352	352	350	348	346	344	344	344	344	344	343	343			
15	335	338	343	347	349	348	345	341	337	336	336	336	337	336	335	334			
20	323	327	334	340	344	343	337	331	325	324	325	327	328	327	324	321			
25	308	313	322	332	336	334	327	318	311	309	312	316	318	316	311	307			
30	290	297	309	321	328	325	314	302	293	292	296	303	306	303	296	290			
35	269	278	293	308	317	313	300	285	274	273	279	288	293	289	280	271			
40	247	256	275	294	304	299	283	264	252	251	261	272	278	274	262	250			
45	222	233	256	278	290	284	265	243	227	228	241	255	262	257	242	227			
50	195	209	236	261	274	268	246	219	201	203	219	237	245	239	222	203			
55	167	183	214	243	258	251	226	195	173	177	198	218	228	221	201	178			
60	137	156	192	224	240	232	205	170	143	151	176	199	210	202	180	153			
65	107	129	170	205	223	214	184	144	113	123	154	180	193	184	159	127			
70	77.1	102	149	186	204	195	163	119	82.5	97.1	132	162	175	166	139	103			
75	48.0	77.5	128	168	187	177	143	95.5	53.6	72.9	112	144	158	149	120	80.2			
80	23.4	55.7	109	150	169	159	125	74.6	28.0	51.6	94.1	126	141	131	102	60.6			
85	6.05	38.1	92.3	133	152	142	108	56.7	8.73	34.5	77.6	110	124	115	85.9	44.2			
90	0.28	25.7	77.3	118	136	126	92.1	42.3	0.39	22.0	63.2	94.8	109	99.7	71.6	31.6			
95	0.61	18.1	65.0	106	123	116	80.0	32.5	0.58	14.3	50.9	80.9	94.1	85.7	59.0	22.7			
100	0.80	13.4	53.5	89.7	106	97.6	66.7	24.9	1.39	9.84	40.8	68.4	80.7	72.9	48.4	16.7			
105	1.84	10.8	44.4	77.0	92.3	84.2	55.6	19.6	2.29	7.60	32.8	57.5	68.7	61.7	39.6	12.9			
110	3.19	9.43	37.0	65.8	79.5	72.1	46.7	16.2	3.60	6.50	26.6	48.0	58.0	51.8	32.4	10.4			
115	4.57	8.68	31.1	55.6	68.0	61.3	39.2	13.9	5.00	6.23	21.7	39.9	48.6	43.2	26.6	8.87			
120	5.87	8.48	26.2	46.9	57.2	51.5	33.0	12.2	6.40	6.49	17.8	32.9	40.4	35.8	21.8	8.07			
125	7.08	8.77	22.3	39.5	48.2	43.3	27.8	11.2	7.69	7.04	14.7	27.0	33.2	29.3	17.9	7.83			
130	8.19	9.23	19.0	33.0	40.2	36.2	23.4	10.9	8.95	7.47	12.5	21.8	26.9	23.8	14.8	7.90			
135	9.41	9.73	16.4	27.3	33.1	29.9	19.7	10.9	10.2	8.34	11.4	17.6	21.5	19.2	12.8	8.17			
140	10.8	10.6	14.7	22.5	27.0	24.5	16.9	11.1	11.4	9.32	10.7	14.5	17.1	15.6	11.8	8.77			
145	12.2	11.6	13.9	18.7	21.8	20.0	15.3	11.6	12.5	10.5	10.4	12.8	14.4	13.8	11.3	9.60			
150	13.5	12.5	13.4	16.3	18.0	17.1	14.3	12.3	13.4	11.7	10.2	11.7	12.8	12.7	11.1	10.6			
155	14.3	13.3	13.4	14.9	16.0	15.4	13.7	13.1	13.4	12.9	11.8	11.5	11.8	11.9	11.3	11.3			
160	14.3	14.0	13.7	14.1	14.6	14.3	13.7	13.7	13.1	13.2	12.7	12.1	11.9	11.9	11.9	12.1			
165	13.4	14.2	13.8	14.2	14.3	14.3	14.2	14.0	12.5	12.7	12.4	13.0	13.1	12.7	12.8	13.3			
170	11.5	12.7	14.0	14.1	14.4	13.9	13.9	12.3	10.5	10.6	11.7	12.2	13.1	13.8	13.9	12.2			
175	9.06	9.02	11.6	12.6	12.4	13.0	9.70	8.88	8.38	8.41	9.00	9.43	9.93	10.2	10.6	11.4			
180	9.08	8.25	7.51	4.33	0.33	2.37	4.61	8.16	8.85	8.85	8.22	7.12	6.09	0.54	3.55	6.61			

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