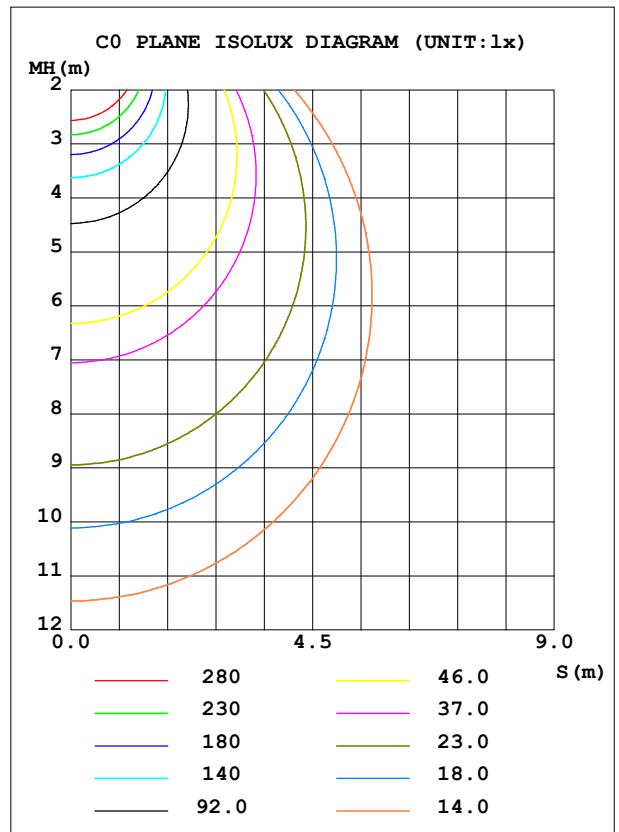
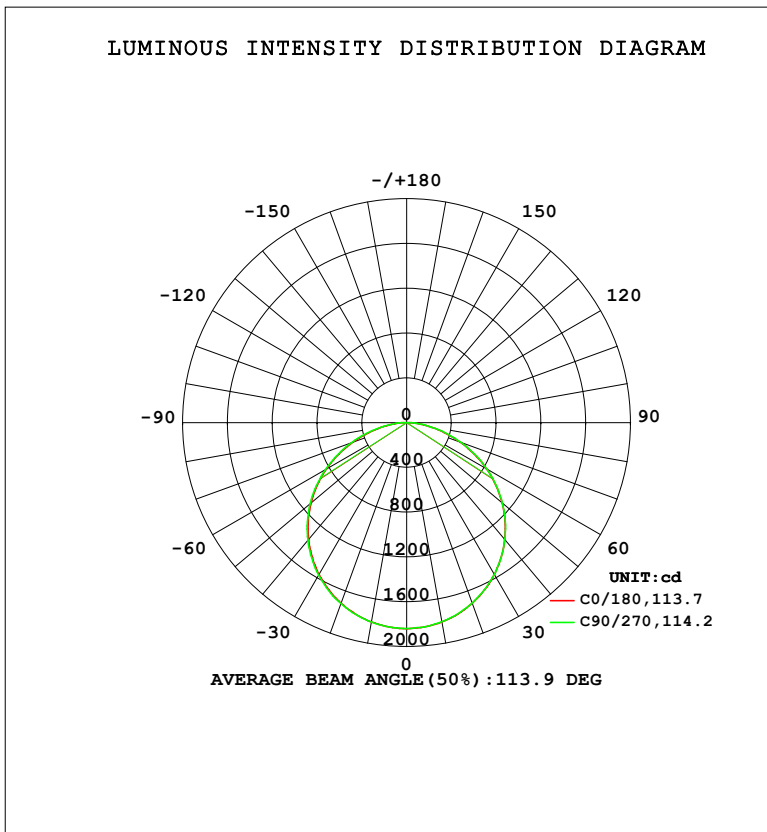


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.63V I:0.3520A P:42.228W PF:0.9944 Freq:60.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5334.52x1 lm		
NameAA: ASD-BLP-22A40	Type: 40W	Weight:
SPEC.: N/A	DIM.:	Instrument No.:
MFR.: ASD Lighting Corp	SUR.: 0.553*0.553	shielding angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	ASD-BLP-22A40	Imax (cd)	1840	S/MH (C0/180)	1.27
NOMINAL POWER (W)	40	LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	5334.5	<input type="checkbox"/> UP, DN (C0-180)	0.0,49.9
NOMINAL FLUX (lm)	5334.52	CIE CLASS	DIRECT	<input type="checkbox"/> UP, DN (C180-360)	0.0,50.1
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	<input type="checkbox"/> down (%)	100.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-11-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:8.570m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	1808	1807	1806	1806	1808	1809	1809	1809	0- 10	174.0	174.0	3.26,3.26
20	1715	1714	1714	1713	1717	1719	1721	1718	10- 20	499.4	673.5	12.6,12.6
30	1566	1564	1566	1563	1566	1569	1572	1571	20- 30	759.8	1433	26.9,26.9
40	1363	1364	1364	1361	1364	1368	1372	1370	30- 40	921.1	2354	44.1,44.1
50	1114	1115	1116	1113	1115	1121	1124	1122	40- 50	961.6	3316	62.2,62.2
60	823.1	826.6	826.6	824.3	826.1	832.8	836.3	832.5	50- 60	872.8	4189	78.5,78.5
70	506.3	509.8	514.8	510.1	510.9	517.2	522.4	516.4	60- 70	664.9	4854	91,91
80	204.7	209.2	216.5	209.9	209.4	214.9	222.0	213.4	70- 80	379.0	5233	98.1,98.1
90	2.904	3.904	4.283	3.909	3.326	4.262	3.641	3.016	80- 90	101.9	5335	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2838.2 lm

%lum = 53.2%

%lamp = 53.2%

Conical surface Flux(120deg): 4188.8 lm

%lum = 78.5%

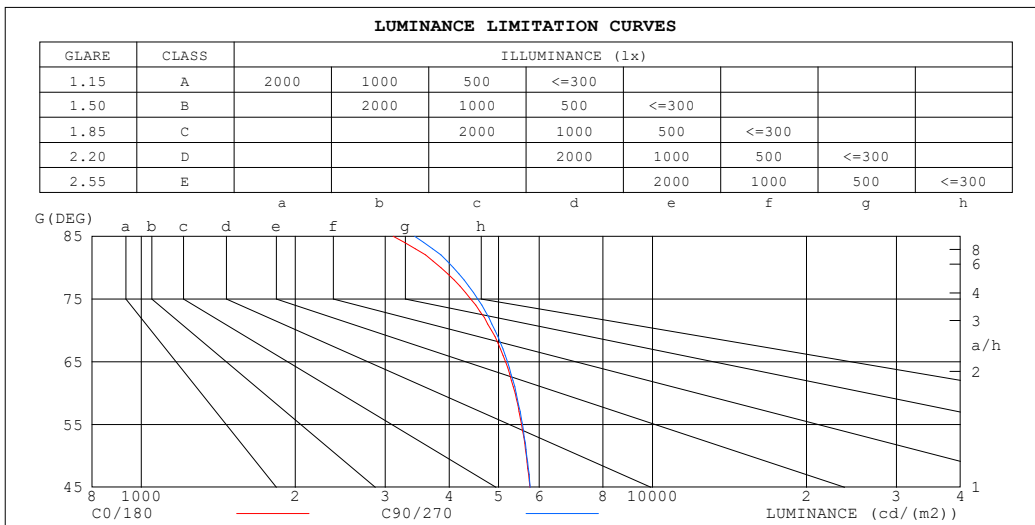
%lamp = 78.5%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-11-28

□ Range: 0 - 90DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:8.570m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.63V I:0.3520A P:42.228W PF:0.9944 Freq:60.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5334.52x1 lm		
NameAA: ASD-BLP-22A40	Type: 40W	Weight:
SPEC.: N/A	DIM.:	Instrument No.:
MFR.: ASD Lighting Corp	SUR.: 0.553*0.553	shielding angle:



LUMINANCE cd/ (m2)		
G (DEG)	C0/180	C90/270
85	3111	3425
80	3855	4077
75	4407	4550
70	4841	4922
65	5156	5201
60	5384	5406
55	5541	5564
50	5667	5676
45	5754	5764

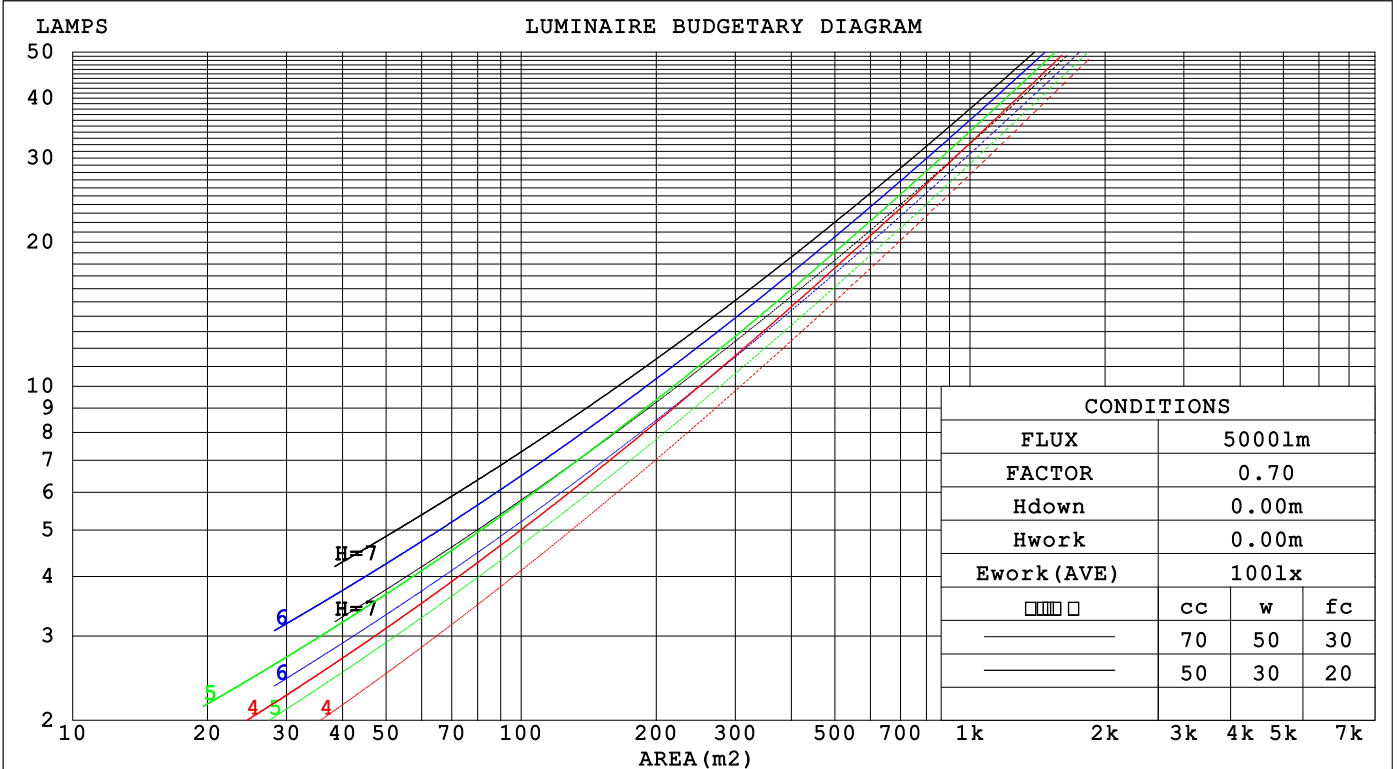
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-11-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:8.570m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.63V I:0.3520A P:42.228W PF:0.9944 Freq:60.00Hz		
UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:5334.52x1 lm		
NameAA: ASD-BLP-22A40	Type: 40W	Weight:
SPEC.: N/A	DIM.:	Instrument No.:
MFR.: ASD Lighting Corp	SUR.: 0.553*0.553	shielding angle:

□cc	80%			70%			50%			30%			10%			0
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
□fc	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	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.04	.99	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.83
2.0	.90	.83	.78	.88	.82	.77	.85	.79	.75	.82	.77	.73	.79	.75	.72	.69
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.58	.52	.62	.56	.52	.50
5.0	.63	.53	.47	.61	.53	.46	.59	.52	.46	.57	.51	.45	.55	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.35	.47	.40	.35	.46	.40	.35	.33
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.28	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-11-28

□ Range: 0 - 90DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:8.570m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.63V I:0.3520A P:42.228W PF:0.9944 Freq:60.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5334.52x1 lm		
NameAA: ASD-BLP-22A40	Type: 40W	Weight:
SPEC.: N/A	DIM.:	Instrument No.:
MFR.: ASD Lighting Corp	SUR.: 0.553*0.553	shielding angle:

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio		Wall Exitance Coefficients(WEC)			
0.0						
1.0	.311 .177 .056	.304 .174 .055	.291 .167 .053	.279 .161 .052	.268 .155 .050	
2.0	.293 .161 .049	.287 .158 .049	.275 .153 .048	.264 .148 .046	.254 .144 .045	
3.0	.271 .144 .043	.266 .142 .043	.255 .138 .042	.246 .135 .041	.237 .131 .041	
4.0	.250 .130 .038	.245 .128 .038	.236 .125 .037	.228 .122 .037	.220 .119 .036	
5.0	.231 .118 .034	.227 .117 .034	.219 .114 .034	.211 .111 .033	.204 .109 .033	
6.0	.214 .107 .031	.211 .106 .031	.203 .104 .030	.197 .102 .030	.190 .100 .030	
7.0	.199 .099 .028	.196 .098 .028	.190 .096 .028	.184 .094 .027	.178 .092 .027	
8.0	.186 .091 .026	.183 .090 .025	.177 .089 .025	.172 .087 .025	.167 .086 .025	
9.0	.175 .084 .024	.172 .084 .023	.167 .082 .023	.162 .081 .023	.157 .080 .023	
10.0	.164 .079 .022	.162 .078 .022	.157 .077 .022	.152 .076 .022	.148 .075 .021	

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio		Ceiling Cavity Exitance Coefficients(CCEC)			
0.0	.190 .190 .190	.163 .163 .163	.111 .111 .111	.064 .064 .064	.020 .020 .020	
1.0	.180 .156 .134	.154 .134 .116	.106 .092 .080	.061 .053 .046	.019 .017 .015	
2.0	.172 .132 .098	.148 .114 .085	.101 .079 .059	.058 .046 .035	.019 .015 .011	
3.0	.165 .114 .074	.141 .099 .064	.097 .069 .045	.056 .040 .027	.018 .013 .009	
4.0	.157 .101 .058	.135 .087 .051	.093 .061 .036	.054 .036 .021	.017 .012 .007	
5.0	.150 .091 .047	.129 .078 .041	.089 .055 .029	.051 .032 .017	.017 .010 .006	
6.0	.143 .082 .039	.122 .071 .034	.085 .050 .024	.049 .029 .014	.016 .010 .005	
7.0	.136 .075 .033	.117 .065 .029	.081 .046 .020	.047 .027 .012	.015 .009 .004	
8.0	.129 .070 .029	.111 .060 .025	.077 .042 .018	.045 .025 .011	.014 .008 .003	
9.0	.123 .065 .025	.106 .056 .022	.073 .039 .016	.043 .023 .009	.014 .008 .003	
10.0	.117 .060 .022	.101 .052 .020	.070 .037 .014	.041 .022 .008	.013 .007 .003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-11-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:8.570m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.63V I:0.3520A P:42.228W PF:0.9944 Freq:60.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5334.52x1 lm		
NameAA: ASD-BLP-22A40	Type: 40W	Weight:
SPEC.: N/A	DIM.:	Instrument No.:
MFR.: ASD Lighting Corp	SUR.: 0.553*0.553	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	18.8	20.4	19.1	20.6	20.8	18.9	20.4	19.1	20.6	20.8
3H	20.3	21.8	20.6	22.0	22.2	20.4	21.8	20.7	22.0	22.3
4H	20.9	22.3	21.2	22.5	22.8	21.0	22.3	21.3	22.6	22.8
6H	21.3	22.6	21.6	22.9	23.1	21.4	22.7	21.7	23.0	23.2
8H	21.4	22.7	21.8	22.9	23.2	21.5	22.8	21.9	23.1	23.3
12H	21.5	22.7	21.8	23.0	23.3	21.6	22.8	22.0	23.1	23.4
4H 2H	19.5	20.8	19.8	21.1	21.3	19.5	20.8	19.8	21.1	21.3
3H	21.1	22.3	21.5	22.6	22.9	21.2	22.4	21.5	22.7	23.0
4H	21.8	22.9	22.2	23.2	23.6	21.9	23.0	22.3	23.3	23.6
6H	22.3	23.3	22.7	23.7	24.0	22.5	23.4	22.9	23.8	24.1
8H	22.5	23.4	22.9	23.8	24.2	22.6	23.5	23.1	23.9	24.3
12H	22.6	23.4	23.0	23.8	24.2	22.8	23.6	23.2	24.0	24.4
8H 4H	22.1	23.0	22.5	23.4	23.7	22.2	23.0	22.6	23.4	23.8
6H	22.8	23.5	23.2	23.9	24.3	22.9	23.6	23.3	24.0	24.4
8H	23.0	23.7	23.5	24.1	24.5	23.1	23.8	23.6	24.2	24.7
12H	23.2	23.7	23.6	24.2	24.7	23.3	23.9	23.8	24.3	24.8
12H 4H	22.1	22.9	22.5	23.3	23.7	22.2	23.0	22.6	23.4	23.8
6H	22.8	23.5	23.3	23.9	24.3	22.9	23.6	23.4	24.0	24.4
8H	23.1	23.7	23.6	24.1	24.6	23.2	23.8	23.7	24.2	24.7

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

CIE Pub.117, 5335 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.8)
 Area: 0.3058 m2

C Range: 0 - 360DEG	<input type="checkbox"/> Range: 0 - 90DEG
C Interval: 22.5DEG	<input type="checkbox"/> Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Temperature:25.3°C	Humidity:65.0%
Operators:DAMIN	Test Distance:8.570m [K=1.0000]
Test Date:2023-11-28	Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.63V I:0.3520A P:42.228W PF:0.9944 Freq:60.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5334.52x1 lm		
NameAA: ASD-BLP-22A40	Type: 40W	Weight:
SPEC.: N/A	DIM.:	Instrument No.:
MFR.: ASD Lighting Corp	SUR.: 0.553*0.553	shielding angle:

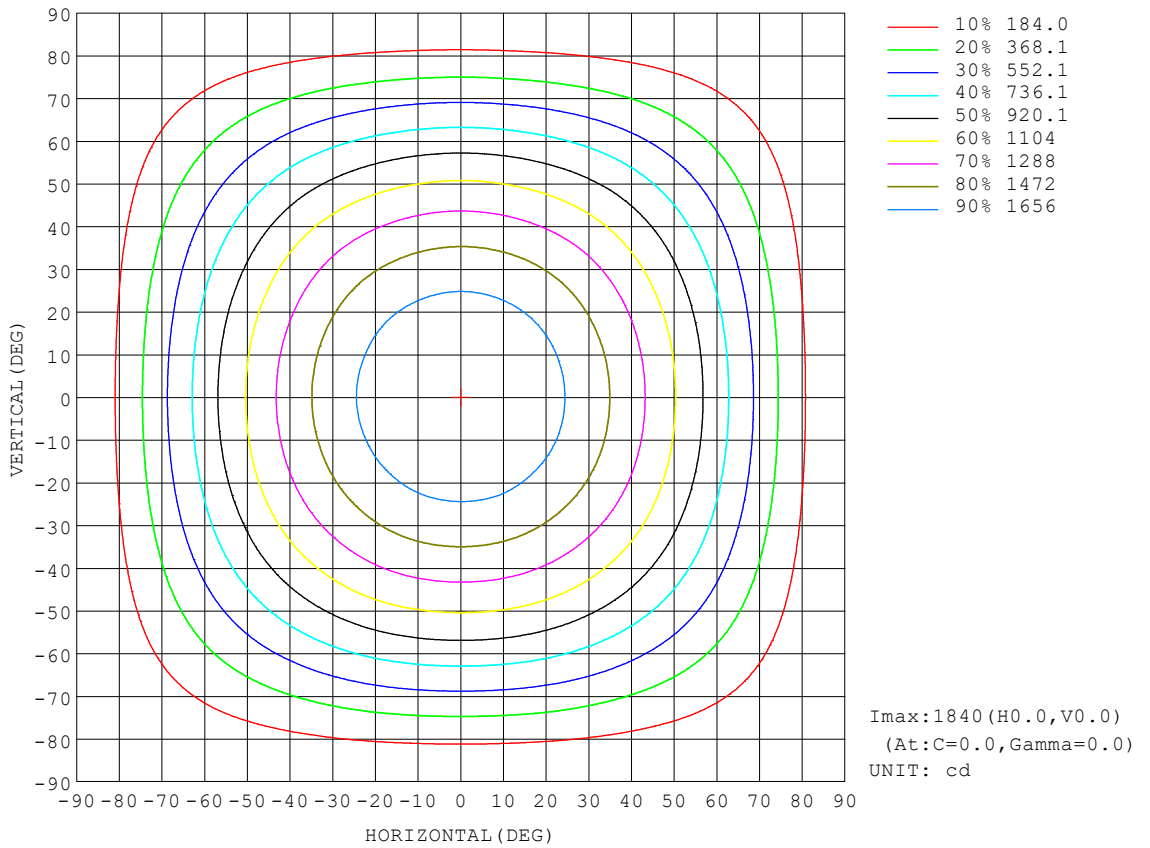
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	56	45	38	55	45	38	32
0.80	67	56	48	66	55	48	64	54	48	41
1.00	76	65	57	75	64	57	72	65	56	49
1.25	83	72	65	81	72	65	79	70	64	57
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	86	78
4.00	106	100	96	104	99	94	100	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-11-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:8.570m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.63V I:0.3520A P:42.228W PF:0.9944 Freq:60.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5334.52x1 lm		
NameAA: ASD-BLP-22A40	Type: 40W	Weight:
SPEC.: N/A	DIM.:	Instrument No.:
MFR.: ASD Lighting Corp	SUR.: 0.553*0.553	shielding angle:

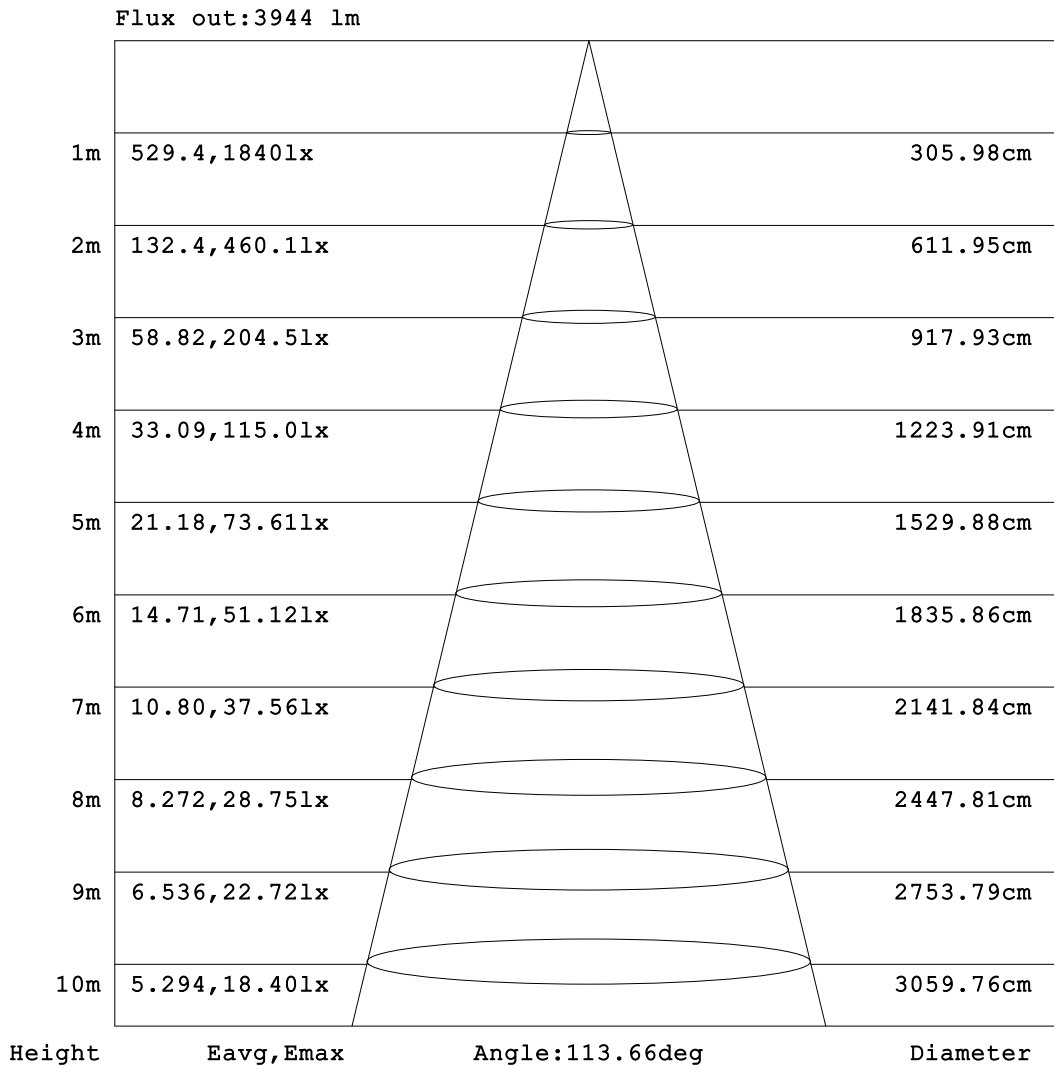


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-11-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:8.570m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.63V I:0.3520A P:42.228W PF:0.9944 Freq:60.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5334.52x1 lm		
NameAA: ASD-BLP-22A40	Type: 40W	Weight:
SPEC.: N/A	DIM.:	Instrument No.:
MFR.: ASD Lighting Corp	SUR.: 0.553*0.553	shielding angle:



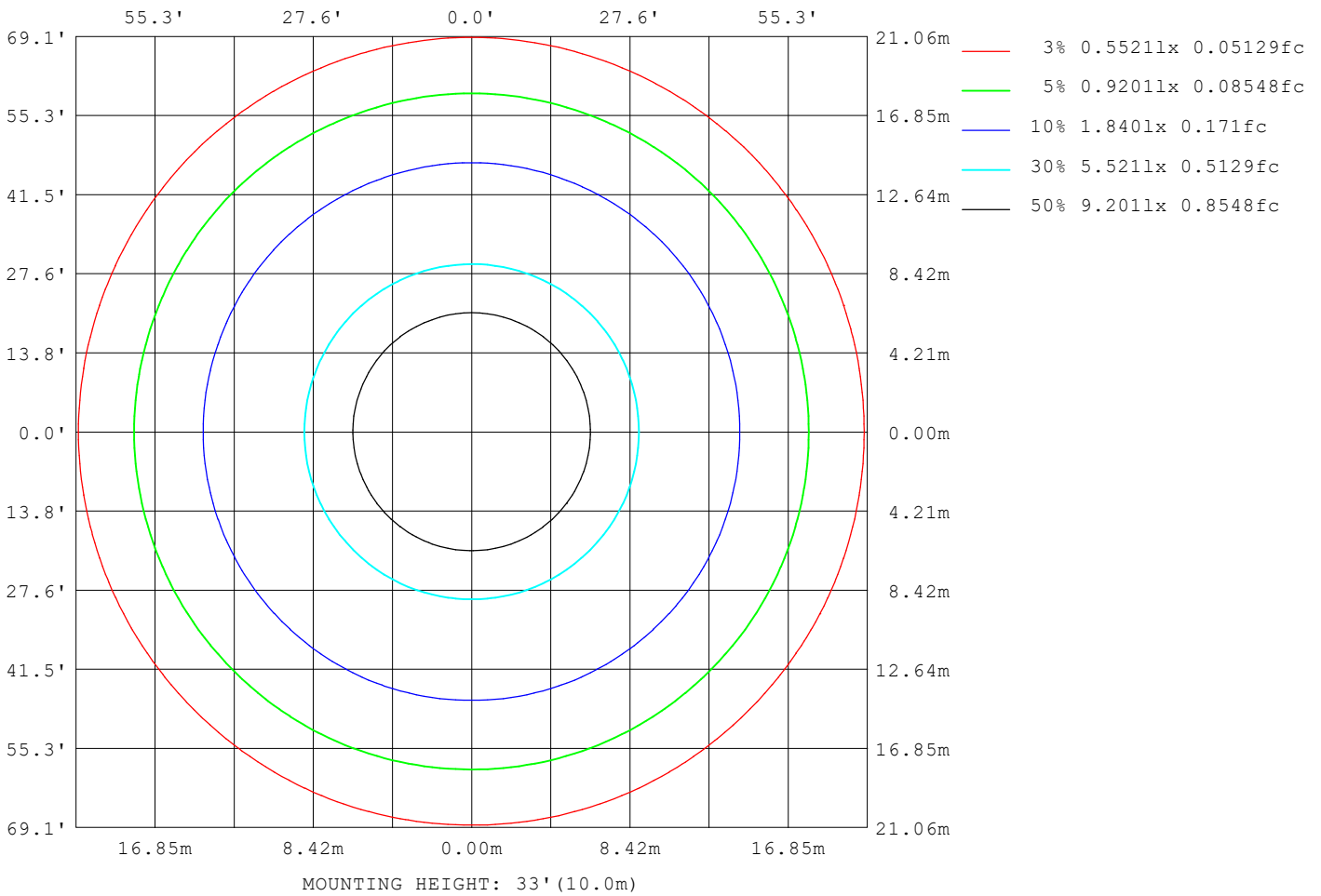
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2023-11-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 8.570m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.63V I:0.3520A P:42.228W PF:0.9944 Freq:60.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5334.52x1 lm		
NameAA: ASD-BLP-22A40	Type: 40W	Weight:
SPEC.: N/A	DIM.:	Instrument No.:
MFR.: ASD Lighting Corp	SUR.: 0.553*0.553	shielding angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-11-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:8.570m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.63V I:0.3520A P:42.228W PF:0.9944 Freq:60.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5334.52x1 lm		
NameAA: ASD-BLP-22A40	Type: 40W	Weight:
SPEC.: N/A	DIM.:	Instrument No.:
MFR.: ASD Lighting Corp	SUR.: 0.553*0.553	shielding angle:

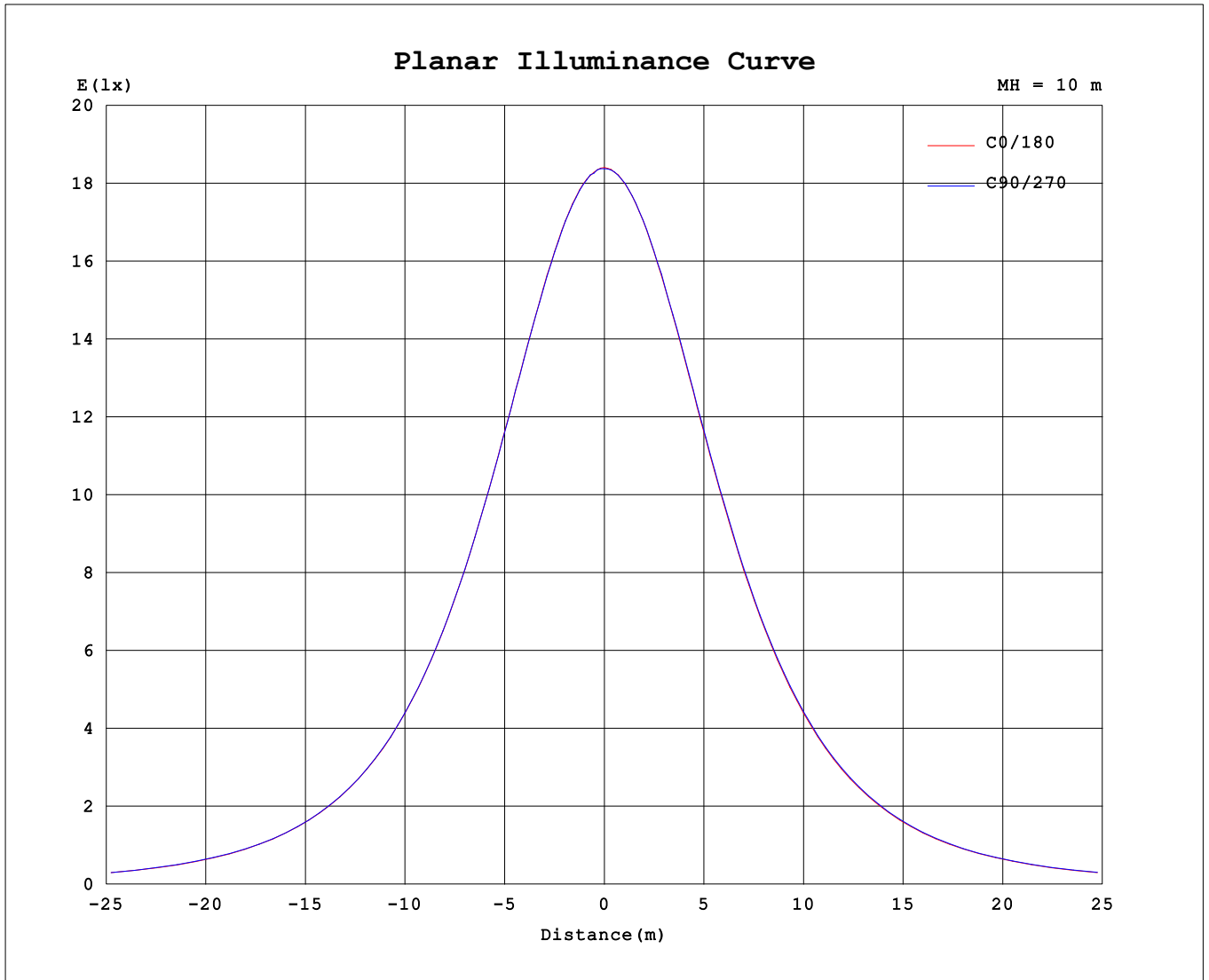
AvgL	cd/m2
L_0~180 (65) av	5171
L_0~180 (75) av	4445
L_0~180 (85) av	3194
L_90~270 (65) av	5232
L_90~270 (75) av	4598
L_90~270 (85) av	3496
L_45 (65) av	5205
L_45 (75) av	4512
L_45 (85) av	3251

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-11-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:8.570m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2023-11-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 8.570m [K=1.0000]
 Remarks:

