

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	464.2 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	124.8V x 148.8H
	At 50% of Imax	86.0V x 101.6H
	At 90% of Imax	47.2V x 53.2H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	949.4 lumens per klm.
	To 50% of Imax	718.0 lumens per klm.
	To 90% of Imax	256.8 lumens per klm.

Upward LOR	1.0 %
Downward LOR	99.0 %

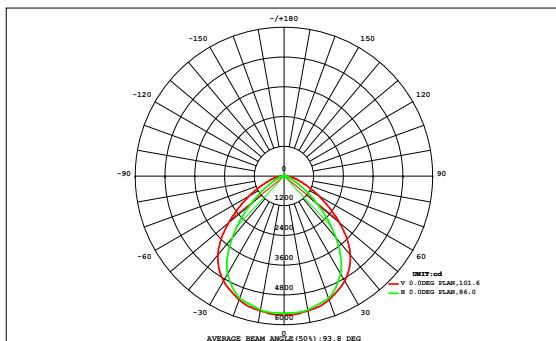
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2025-09-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 9.630m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:277.47V I:0.2966A P:79.534W PF:0.9663 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:12078.6x1 lm		
NAME: ASD-FL2-80BK-PC-FL	TYPE: 80W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.235*0.13	Shielding Angle:



DATA OF LAMP		Eff:151.87lm/W	
MODEL	FL2-80BK-PC-FL	Imax (cd)	5606
NOMINAL POWER(W)	80	AVAILABILITY(%)	95.0
RATED VOLTAGE (V)	277	Avai. FLUX(lm)	11471
NOMINAL FLUX(lm)	12078.6	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	12079
TEST VOLTAGE (V)	277	θ @50% (H,V)	102,86DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.05	0.27	0.63	0.93	1.09	1.25	1.33	1.39	1.42	1.42	1.39	1.33	1.25	1.09	0.93	0.63	0.27	0.05	16.7	0.00
90	0.05	0.27	0.63	0.93	1.09	1.25	1.33	1.39	1.42	1.42	1.39	1.33	1.25	1.09	0.93	0.63	0.27	0.05	16.7	0.00
80	0.10	0.74	1.84	2.86	3.54	4.20	4.46	4.69	4.76	4.76	4.69	4.46	4.20	3.54	2.86	1.84	0.74	0.10	54.4	0.00
70	0.18	1.33	3.46	5.82	8.01	10.2	11.8	13.1	13.9	13.9	13.1	11.8	10.2	8.01	5.82	3.46	1.33	0.18	136	25.7
60	0.26	1.96	5.31	9.76	15.1	21.2	27.4	32.6	35.8	35.8	32.6	27.4	21.2	15.1	9.76	5.31	1.96	0.26	299	271
50	0.34	2.58	7.34	15.1	26.1	40.2	55.8	68.2	75.6	75.6	68.2	55.8	40.2	26.1	15.1	7.34	2.58	0.34	582	570
40	0.41	3.17	9.51	21.7	40.9	65.9	91.2	110	120	120	110	91.2	65.9	40.9	21.7	9.51	3.17	0.41	925	917
30	0.46	3.69	11.7	28.6	56.7	90.4	119	139	149	149	139	119	90.4	56.7	28.6	11.7	3.69	0.46	1196	1190
	0.51	4.10	13.7	34.6	68.8	106	134	153	161	161	153	134	106	68.8	34.6	13.7	4.10	0.51	1350	1345
	0.53	4.37	15.0	38.6	75.6	112	139	158	167	167	158	139	112	75.6	38.6	15.0	4.37	0.53	1422	1417
	0.53	4.37	15.0	38.6	75.6	112	139	158	167	167	158	139	112	75.6	38.6	15.0	4.37	0.53	1422	1417
	0.51	4.10	13.7	34.6	68.8	106	134	153	161	161	153	134	106	68.8	34.6	13.7	4.10	0.51	1350	1345
-30	0.46	3.69	11.7	28.6	56.7	90.4	119	139	149	149	139	119	90.4	56.7	28.6	11.7	3.69	0.46	1196	1190
-40	0.41	3.17	9.51	21.7	40.9	65.9	91.2	110	120	120	110	91.2	65.9	40.9	21.7	9.51	3.17	0.41	925	917
-50	0.34	2.58	7.34	15.1	26.1	40.2	55.8	68.2	75.6	75.6	68.2	55.8	40.2	26.1	15.1	7.34	2.58	0.34	582	570
-60	0.26	1.96	5.31	9.76	15.1	21.2	27.4	32.6	35.8	35.8	32.6	27.4	21.2	15.1	9.76	5.31	1.96	0.26	299	271
-70	0.18	1.33	3.46	5.82	8.01	10.2	11.8	13.1	13.9	13.9	13.1	11.8	10.2	8.01	5.82	3.46	1.33	0.18	136	25.7
-80	0.10	0.74	1.84	2.86	3.54	4.20	4.46	4.69	4.76	4.76	4.69	4.46	4.20	3.54	2.86	1.84	0.74	0.10	54.4	0.00
-90	0.05	0.27	0.63	0.93	1.09	1.25	1.33	1.39	1.42	1.42	1.39	1.33	1.25	1.09	0.93	0.63	0.27	0.05	16.7	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	5.66	44.4	137	316	592	903	1168	1359	1456	1456	1359	1168	903	592	316	137	44.4	5.66	11961	---
Φ a	0.00	11.6	108	287	563	873	1139	1328	1427	1427	1328	1139	873	563	287	108	11.6	0.00	---	11471

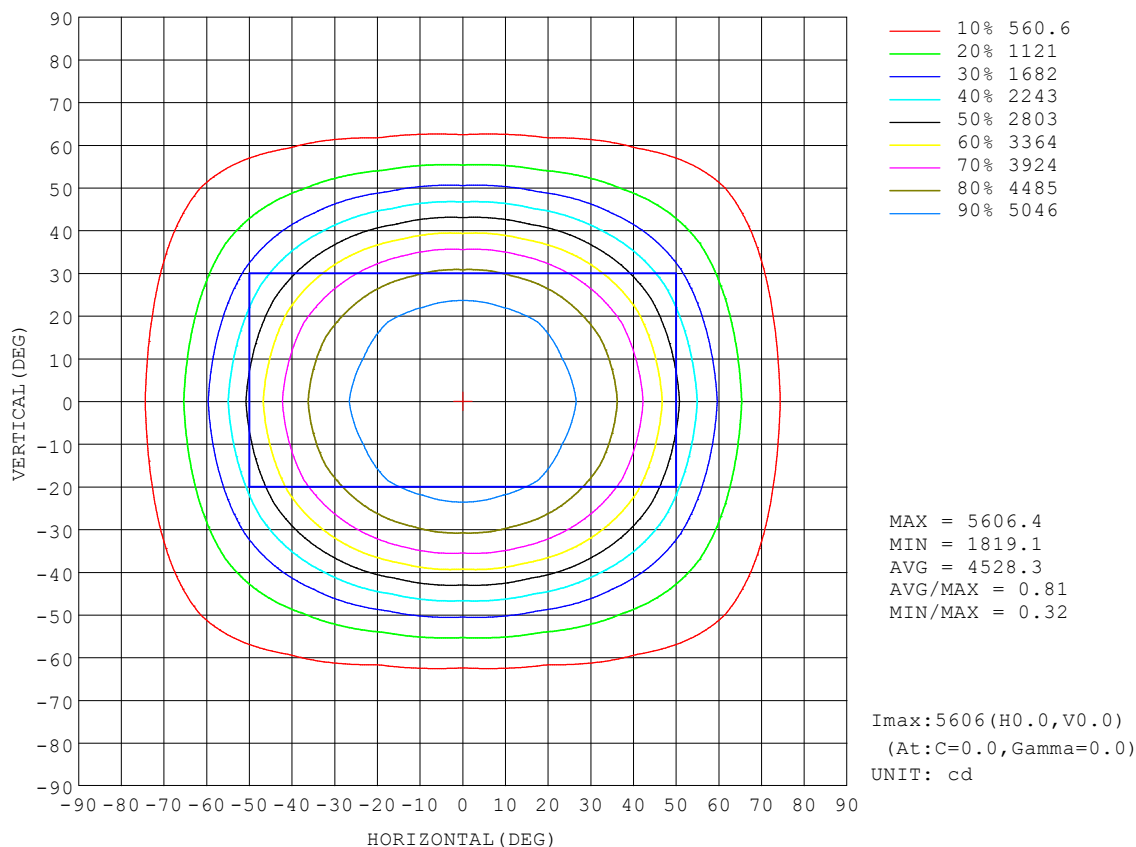
one-half-peak spread: U:38.2,D:38.2 , L:51.0,R:51.0 NEMA Beam Type: Type 7 x 6 (H x V)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-09-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:277.47V I:0.2966A P:79.534W PF:0.9663 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:12078.6x1 lm		
NAME: ASD-FL2-80BK-PC-FL	TYPE: 80W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.235*0.13	Shielding Angle:

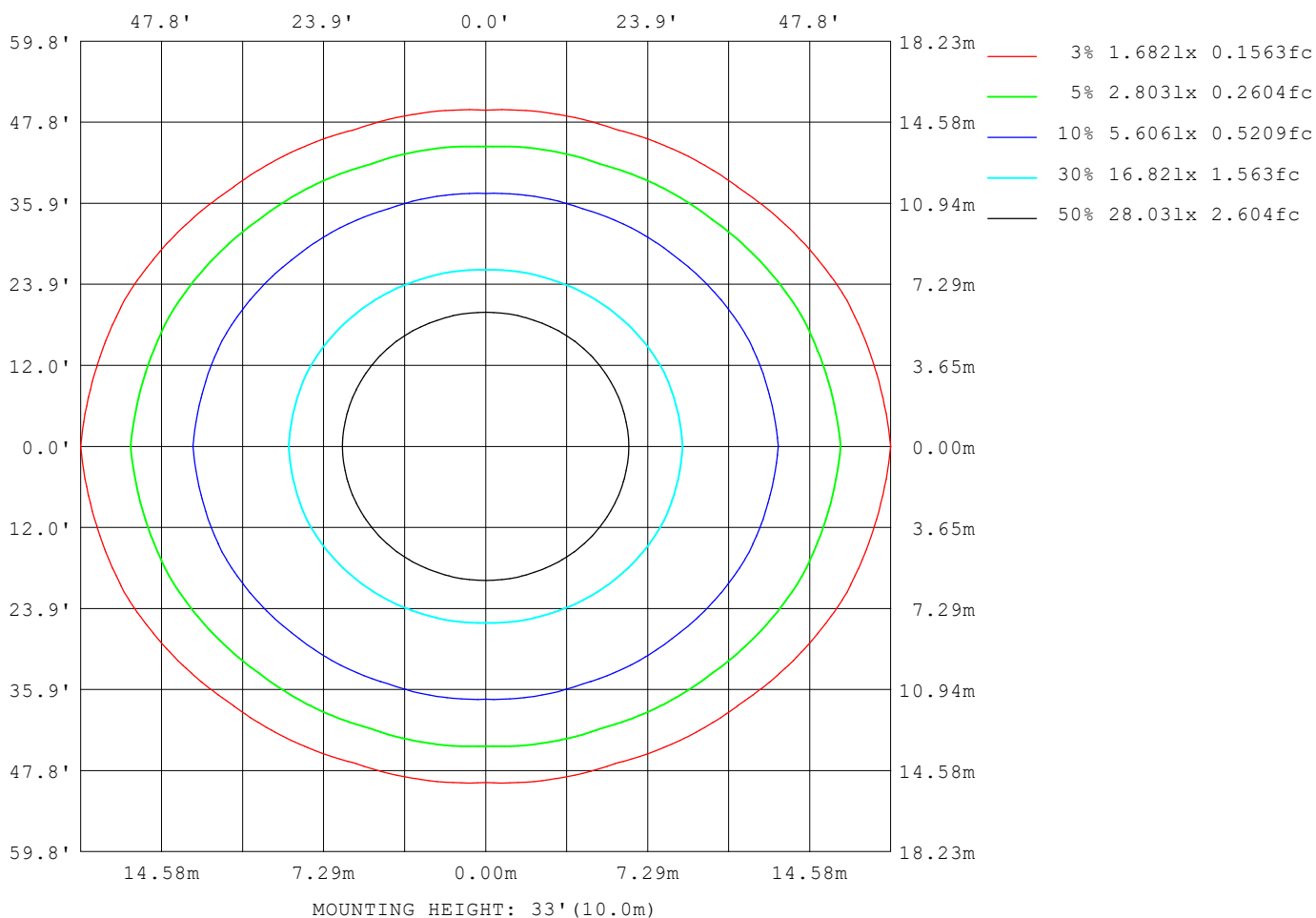


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Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-09-16

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γ Interval: 1.0DEG
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Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

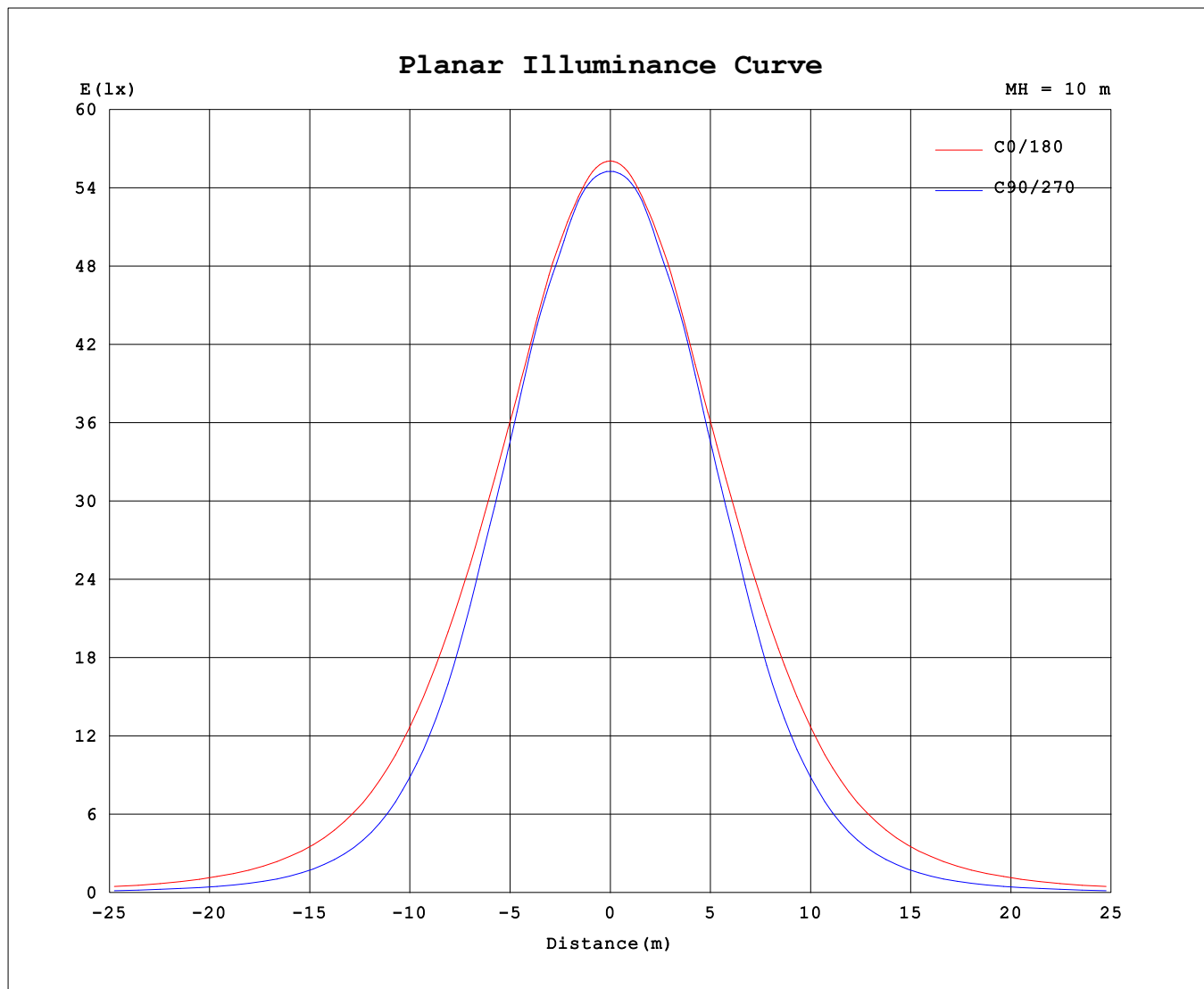
Test:U:277.47V I:0.2966A P:79.534W PF:0.9663 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:12078.6x1 lm		
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SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.235*0.13	Shielding Angle:



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C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-09-16

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γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

Planar Illuminance Curve

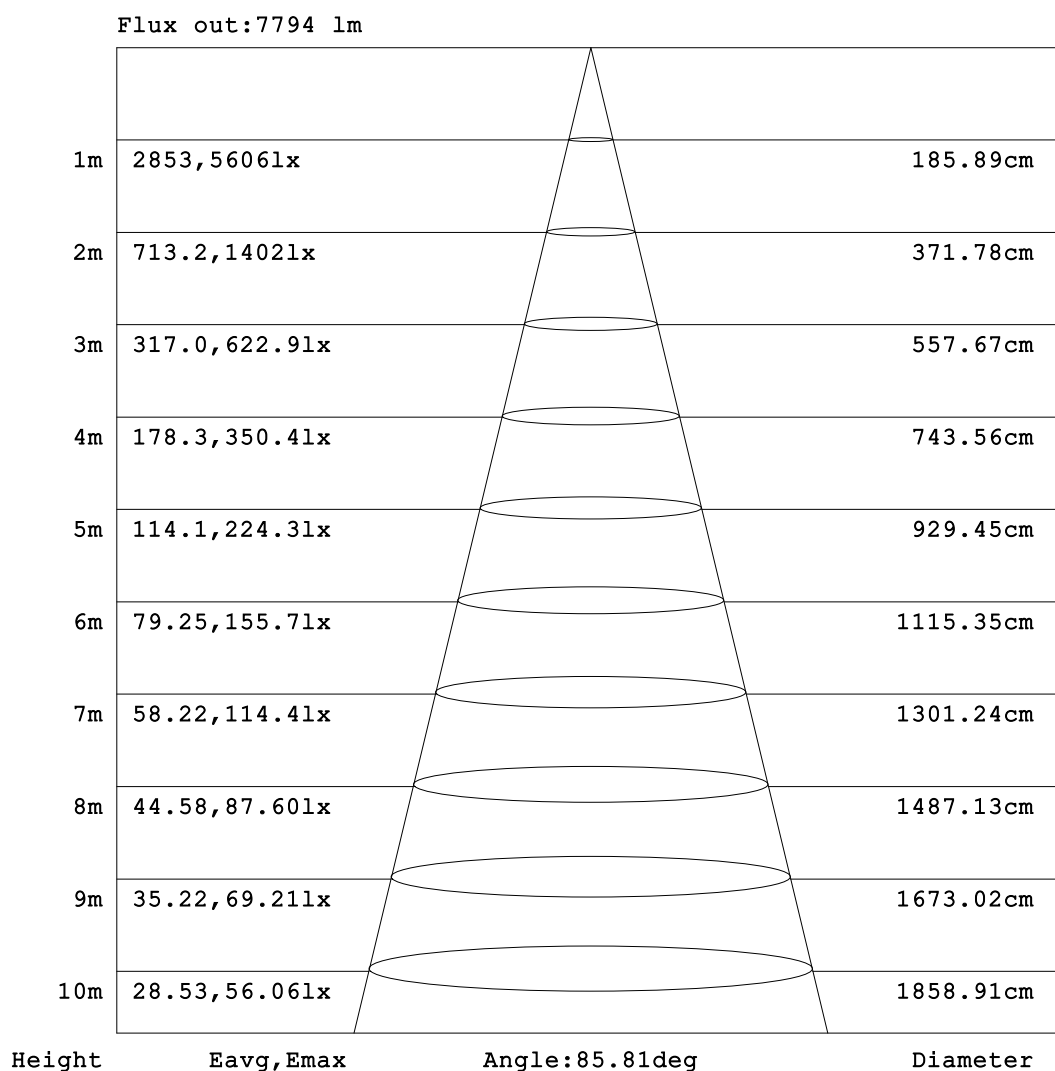


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2025-09-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 9.630m [K=1.0000]
Remarks:

AAI Figure

Test:U:277.47V I:0.2966A P:79.534W PF:0.9663 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:12078.6x1 lm		
NAME: ASD-FL2-80BK-PC-FL	TYPE: 80W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.235*0.13	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:2025-09-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.47V I:0.2966A P:79.534W PF:0.9663 Freq:50.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:12078.6x1 lm		
NAME: ASD-FL2-80BK-PC-FL	TYPE: 80W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.235*0.13	Shielding Angle:

Table--1

UNIT: cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	6.25	6.29	8.03	10.2	12.5	15.1	17.8	20.6	23.4	26.2	29.0	31.6	34.3	37.1	39.8	42.2	44.2	45.7	46.3
-170	6.25	6.25	7.93	9.98	12.3	14.7	17.4	20.1	22.9	25.6	28.3	30.9	33.5	36.1	38.5	40.5	42.2	43.4	44.0
-160	6.25	6.19	7.71	9.61	11.7	14.0	16.4	18.9	21.5	24.1	26.6	28.9	31.0	33.1	34.9	36.5	37.8	38.6	39.0
-150	6.25	6.09	7.38	9.06	10.9	12.9	15.0	17.2	19.4	21.5	23.6	25.5	27.3	28.9	30.3	31.5	32.3	32.9	33.0
-140	6.25	5.99	6.98	8.38	9.90	11.5	13.3	15.0	16.7	18.3	19.9	21.4	22.8	24.1	25.1	25.9	26.6	26.9	27.0
-130	6.25	5.90	6.54	7.59	8.75	9.99	11.2	12.4	13.6	14.8	15.9	17.0	17.9	18.7	19.4	20.0	20.4	20.7	20.7
-120	6.25	5.84	6.12	6.76	7.55	8.38	9.13	9.86	10.6	11.3	11.9	12.5	13.0	13.5	13.8	14.2	14.4	14.5	14.5
-110	6.25	5.92	5.84	6.05	6.40	6.80	7.13	7.45	7.75	8.04	8.29	8.52	8.69	8.80	8.90	9.05	9.13	9.13	9.05
-100	6.25	6.54	5.93	5.69	5.68	5.66	5.60	5.56	5.51	5.44	5.41	5.35	5.29	5.20	5.15	5.15	5.13	5.08	5.01
-90	6.25	8.81	11.4	13.9	16.5	17.8	18.0	18.1	18.2	18.3	18.0	17.7	17.4	17.1	16.9	17.0	17.1	17.1	17.2
-80	6.25	19.2	39.5	59.2	76.6	89.9	96.4	99.0	97.0	90.1	91.0	91.1	89.2	84.9	81.9	82.0	81.3	79.8	77.7
-70	6.25	38.1	82.9	126	167	204	225	241	250	252	260	268	270	265	259	266	268	266	259
-60	6.25	59.3	130	201	271	338	390	435	475	509	541	586	621	643	653	688	712	720	709
-50	6.25	80.3	178	278	378	483	588	690	803	920	1040	1169	1310	1436	1536	1630	1719	1761	1753
-40	6.25	99.8	222	351	487	638	821	1031	1263	1521	1803	2097	2393	2671	2888	3038	3191	3265	3260
-30	6.25	117	262	417	590	802	1077	1417	1819	2262	2727	3181	3581	3905	4162	4346	4467	4545	4558
-20	6.25	130	293	472	681	958	1327	1787	2335	2945	3542	4017	4377	4656	4890	5044	5137	5204	5244
-10	6.25	138	315	511	751	1082	1529	2078	2720	3391	3982	4430	4753	4980	5183	5319	5394	5457	5481
0	6.25	142	326	532	789	1152	1642	2238	2916	3595	4163	4576	4890	5108	5310	5451	5520	5589	5606
10	6.25	138	315	511	751	1082	1529	2078	2720	3391	3982	4430	4753	4980	5183	5319	5394	5457	5481
20	6.25	130	293	472	681	958	1327	1787	2335	2945	3542	4017	4377	4656	4890	5044	5137	5204	5244
30	6.25	117	262	417	590	802	1077	1417	1819	2262	2727	3181	3581	3905	4162	4346	4467	4545	4558
40	6.25	99.8	222	351	487	638	821	1031	1263	1521	1803	2097	2393	2671	2888	3038	3191	3265	3260
50	6.25	80.3	178	278	378	483	588	690	803	920	1040	1169	1310	1436	1536	1630	1719	1761	1753
60	6.25	59.3	130	201	271	338	390	435	475	509	541	586	621	643	653	688	712	720	709
70	6.25	38.1	82.9	126	167	204	225	241	250	252	260	268	270	265	259	266	268	266	259
80	6.25	19.2	39.5	59.2	76.6	89.9	96.4	99.0	97.0	90.1	91.0	91.1	89.2	84.9	81.9	82.0	81.3	79.8	77.7
90	6.25	8.81	11.4	13.9	16.5	17.8	18.0	18.1	18.2	18.3	18.0	17.7	17.4	17.1	16.9	17.0	17.1	17.1	17.2
100	6.25	6.54	5.93	5.69	5.68	5.66	5.60	5.56	5.51	5.44	5.41	5.35	5.29	5.20	5.15	5.15	5.13	5.08	5.01
110	6.25	5.92	5.84	6.05	6.40	6.80	7.13	7.45	7.75	8.04	8.29	8.52	8.69	8.80	8.90	9.05	9.13	9.13	9.05
120	6.25	5.84	6.12	6.76	7.55	8.38	9.13	9.86	10.6	11.3	11.9	12.5	13.0	13.5	13.8	14.2	14.4	14.5	14.5
130	6.25	5.90	6.54	7.59	8.75	9.99	11.2	12.4	13.6	14.8	15.9	17.0	17.9	18.7	19.4	20.0	20.4	20.7	20.7
140	6.25	5.99	6.98	8.38	9.90	11.5	13.3	15.0	16.7	18.3	19.9	21.4	22.8	24.1	25.1	25.9	26.6	26.9	27.0
150	6.25	6.09	7.38	9.06	10.9	12.9	15.0	17.2	19.4	21.5	23.6	25.5	27.3	28.9	30.3	31.5	32.3	32.9	33.0
160	6.25	6.19	7.71	9.61	11.7	14.0	16.4	18.9	21.5	24.1	26.6	28.9	31.0	33.1	34.9	36.5	37.8	38.6	39.0
170	6.25	6.25	7.93	9.98	12.3	14.7	17.4	20.1	22.9	25.6	28.3	30.9	33.5	36.1	38.5	40.5	42.2	43.4	44.0
180	6.25	6.29	8.03	10.2	12.5	15.1	17.8	20.6	23.4	26.2	29.0	31.6	34.3	37.1	39.8	42.2	44.2	45.7	46.3

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UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:12078.6x1 lm		
NAME: ASD-FL2-80BK-PC-FL	TYPE: 80W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.235*0.13	Shielding Angle:

Table--2

UNIT: cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	45.7	44.2	42.2	39.8	37.1	34.3	31.6	29.0	26.2	23.4	20.6	17.8	15.1	12.5	10.2	8.03	6.29	6.25	
-170	43.4	42.2	40.5	38.5	36.1	33.5	30.9	28.3	25.6	22.9	20.1	17.4	14.7	12.3	9.98	7.93	6.25	6.25	
-160	38.6	37.8	36.5	34.9	33.1	31.0	28.9	26.6	24.1	21.5	18.9	16.4	14.0	11.7	9.61	7.71	6.19	6.25	
-150	32.9	32.3	31.5	30.3	28.9	27.3	25.5	23.6	21.5	19.4	17.2	15.0	12.9	10.9	9.06	7.38	6.09	6.25	
-140	26.9	26.6	25.9	25.1	24.1	22.8	21.4	19.9	18.3	16.7	15.0	13.3	11.5	9.90	8.38	6.98	5.99	6.25	
-130	20.7	20.4	20.0	19.4	18.7	17.9	17.0	15.9	14.8	13.6	12.4	11.2	9.99	8.75	7.59	6.54	5.90	6.25	
-120	14.5	14.4	14.2	13.8	13.5	13.0	12.5	11.9	11.3	10.6	9.86	9.13	8.38	7.55	6.76	6.12	5.84	6.25	
-110	9.13	9.13	9.05	8.90	8.80	8.69	8.52	8.29	8.04	7.75	7.45	7.13	6.80	6.40	6.05	5.84	5.92	6.25	
-100	5.08	5.13	5.15	5.15	5.20	5.29	5.35	5.41	5.44	5.51	5.56	5.60	5.66	5.68	5.69	5.93	6.54	6.25	
-90	17.1	17.1	17.0	16.9	17.1	17.4	17.7	18.0	18.3	18.2	18.1	18.0	17.8	16.5	13.9	11.4	8.81	6.25	
-80	79.8	81.3	82.0	81.9	84.9	89.2	91.1	91.0	90.1	97.0	99.0	96.4	89.9	76.6	59.2	39.5	19.2	6.25	
-70	266	268	266	259	265	270	268	260	252	250	241	225	204	167	126	82.9	38.1	6.25	
-60	720	712	688	653	643	621	586	541	509	475	435	390	338	271	201	130	59.3	6.25	
-50	1761	1719	1630	1536	1436	1310	1169	1040	920	803	690	588	483	378	278	178	80.3	6.25	
-40	3265	3191	3038	2888	2671	2393	2097	1803	1521	1263	1031	821	638	487	351	222	99.8	6.25	
-30	4545	4467	4346	4162	3905	3581	3181	2727	2262	1819	1417	1077	802	590	417	262	117	6.25	
-20	5204	5137	5044	4890	4656	4377	4017	3542	2945	2335	1787	1327	958	681	472	293	130	6.25	
-10	5457	5394	5319	5183	4980	4753	4430	3982	3391	2720	2078	1529	1082	751	511	315	138	6.25	
0	5589	5520	5451	5310	5108	4890	4576	4163	3595	2916	2238	1642	1152	789	532	326	142	6.25	
10	5457	5394	5319	5183	4980	4753	4430	3982	3391	2720	2078	1529	1082	751	511	315	138	6.25	
20	5204	5137	5044	4890	4656	4377	4017	3542	2945	2335	1787	1327	958	681	472	293	130	6.25	
30	4545	4467	4346	4162	3905	3581	3181	2727	2262	1819	1417	1077	802	590	417	262	117	6.25	
40	3265	3191	3038	2888	2671	2393	2097	1803	1521	1263	1031	821	638	487	351	222	99.8	6.25	
50	1761	1719	1630	1536	1436	1310	1169	1040	920	803	690	588	483	378	278	178	80.3	6.25	
60	720	712	688	653	643	621	586	541	509	475	435	390	338	271	201	130	59.3	6.25	
70	266	268	266	259	265	270	268	260	252	250	241	225	204	167	126	82.9	38.1	6.25	
80	79.8	81.3	82.0	81.9	84.9	89.2	91.1	91.0	90.1	97.0	99.0	96.4	89.9	76.6	59.2	39.5	19.2	6.25	
90	17.1	17.1	17.0	16.9	17.1	17.4	17.7	18.0	18.3	18.2	18.1	18.0	17.8	16.5	13.9	11.4	8.81	6.25	
100	5.08	5.13	5.15	5.15	5.20	5.29	5.35	5.41	5.44	5.51	5.56	5.60	5.66	5.68	5.69	5.93	6.54	6.25	
110	9.13	9.13	9.05	8.90	8.80	8.69	8.52	8.29	8.04	7.75	7.45	7.13	6.80	6.40	6.05	5.84	5.92	6.25	
120	14.5	14.4	14.2	13.8	13.5	13.0	12.5	11.9	11.3	10.6	9.86	9.13	8.38	7.55	6.76	6.12	5.84	6.25	
130	20.7	20.4	20.0	19.4	18.7	17.9	17.0	15.9	14.8	13.6	12.4	11.2	9.99	8.75	7.59	6.54	5.90	6.25	
140	26.9	26.6	25.9	25.1	24.1	22.8	21.4	19.9	18.3	16.7	15.0	13.3	11.5	9.90	8.38	6.98	5.99	6.25	
150	32.9	32.3	31.5	30.3	28.9	27.3	25.5	23.6	21.5	19.4	17.2	15.0	12.9	10.9	9.06	7.38	6.09	6.25	
160	38.6	37.8	36.5	34.9	33.1	31.0	28.9	26.6	24.1	21.5	18.9	16.4	14.0	11.7	9.61	7.71	6.19	6.25	
170	43.4	42.2	40.5	38.5	36.1	33.5	30.9	28.3	25.6	22.9	20.1	17.4	14.7	12.3	9.98	7.93	6.25	6.25	
180	45.7	44.2	42.2	39.8	37.1	34.3	31.6	29.0	26.2	23.4	20.6	17.8	15.1	12.5	10.2	8.03	6.29	6.25	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-09-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks: