

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

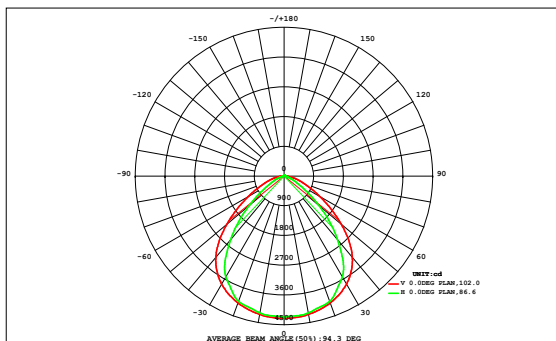
Maximum Intensity		460.8 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	124.7V x 148.8H
	At 50% of Imax	86.6V x 101.9H
	At 90% of Imax	47.1V x 54.9H
Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	949.9 lumens per klm.
	To 50% of Imax	717.4 lumens per klm.
	To 90% of Imax	265.6 lumens per klm.
	Upward LOR	1.0 %
	Downward LOR	99.0 %
Luminaire Efficiency (Light Output Ratio)		100.0 %

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:277.41V I:0.2345A P:62.037W PF:0.9534 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:9338.01x1 lm		
NAME: ASD-FL2-60BK-PC-AM	TYPE: 60W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.235*0.13	Shielding Angle:



DATA OF LAMP		Eff:150.52lm/W	
MODEL	FL2-60BK-PC-AM	Imax (cd)	4303
NOMINAL POWER(W)	60	AVAILABILITY(%)	95.0
RATED VOLTAGE (V)	277	Avai. FLUX(lm)	8873
NOMINAL FLUX(lm)	9338.01	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	9338
TEST VOLTAGE (V)	277	θ @50% (H,V)	102,87DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.03	0.21	0.48	0.71	0.82	0.94	0.98	1.03	1.04	1.04	1.03	0.98	0.94	0.82	0.71	0.48	0.21	0.03	12.5	0.00
90	0.03	0.21	0.48	0.71	0.82	0.94	0.98	1.03	1.04	1.04	1.03	0.98	0.94	0.82	0.71	0.48	0.21	0.03	12.5	0.00
80	0.08	0.57	1.42	2.21	2.72	3.21	3.39	3.55	3.60	3.60	3.55	3.39	3.21	2.72	2.21	1.42	0.57	0.08	41.5	0.00
70	0.14	1.03	2.67	4.48	6.17	7.85	9.07	10.1	10.6	10.6	10.1	9.07	7.85	6.17	4.48	2.67	1.03	0.14	104	19.5
60	0.20	1.51	4.09	7.53	11.7	16.4	21.3	25.3	27.8	27.8	25.3	21.3	16.4	11.7	7.53	4.09	1.51	0.20	231	210
50	0.26	1.99	5.66	11.7	20.2	31.2	43.4	53.1	58.9	58.9	53.1	43.4	31.2	20.2	11.7	5.66	1.99	0.26	453	444
40	0.31	2.44	7.35	16.8	31.8	51.3	70.9	85.3	93.0	93.0	85.3	70.9	51.3	31.8	16.8	7.35	2.44	0.31	718	712
30	0.36	2.84	9.06	22.2	44.0	70.1	92.1	107	114	114	107	92.1	70.1	44.0	22.2	9.06	2.84	0.36	924	920
20	0.39	3.16	10.6	26.8	53.3	81.8	103	117	124	124	117	103	81.8	53.3	26.8	10.6	3.16	0.39	1042	1038
10	0.41	3.37	11.6	29.9	58.5	86.9	108	122	128	128	122	108	86.9	58.5	29.9	11.6	3.37	0.41	1097	1093
0	0.41	3.37	11.6	29.9	58.5	86.9	108	122	128	128	122	108	86.9	58.5	29.9	11.6	3.37	0.41	1097	1093
-10	0.39	3.16	10.6	26.8	53.3	81.8	103	117	124	124	117	103	81.8	53.3	26.8	10.6	3.16	0.39	1042	1038
-20	0.36	2.84	9.06	22.2	44.0	70.1	92.1	107	114	114	107	92.1	70.1	44.0	22.2	9.06	2.84	0.36	924	920
-30	0.31	2.44	7.35	16.8	31.8	51.3	70.9	85.3	93.0	93.0	85.3	70.9	51.3	31.8	16.8	7.35	2.44	0.31	718	712
-40	0.26	1.99	5.66	11.7	20.2	31.2	43.4	53.1	58.9	58.9	53.1	43.4	31.2	20.2	11.7	5.66	1.99	0.26	453	444
-50	0.20	1.51	4.09	7.53	11.7	16.4	21.3	25.3	27.8	27.8	25.3	21.3	16.4	11.7	7.53	4.09	1.51	0.20	231	210
-60	0.14	1.03	2.67	4.48	6.17	7.85	9.07	10.1	10.6	10.6	10.1	9.07	7.85	6.17	4.48	2.67	1.03	0.14	104	19.5
-70	0.08	0.57	1.42	2.21	2.72	3.21	3.39	3.55	3.60	3.60	3.55	3.39	3.21	2.72	2.21	1.42	0.57	0.08	41.5	0.00
-80	0.03	0.21	0.48	0.71	0.82	0.94	0.98	1.03	1.04	1.04	1.03	0.98	0.94	0.82	0.71	0.48	0.21	0.03	12.5	0.00
-90	0.03	0.21	0.48	0.71	0.82	0.94	0.98	1.03	1.04	1.04	1.03	0.98	0.94	0.82	0.71	0.48	0.21	0.03	12.5	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	4.34	34.2	106	245	458	700	904	1049	1124	1124	1049	904	700	458	245	106	34.2	4.34	9247	---
Φ a	0.00	8.92	83.4	223	436	677	882	1025	1101	1101	1025	882	677	436	223	83.4	8.92	0.00	---	8873

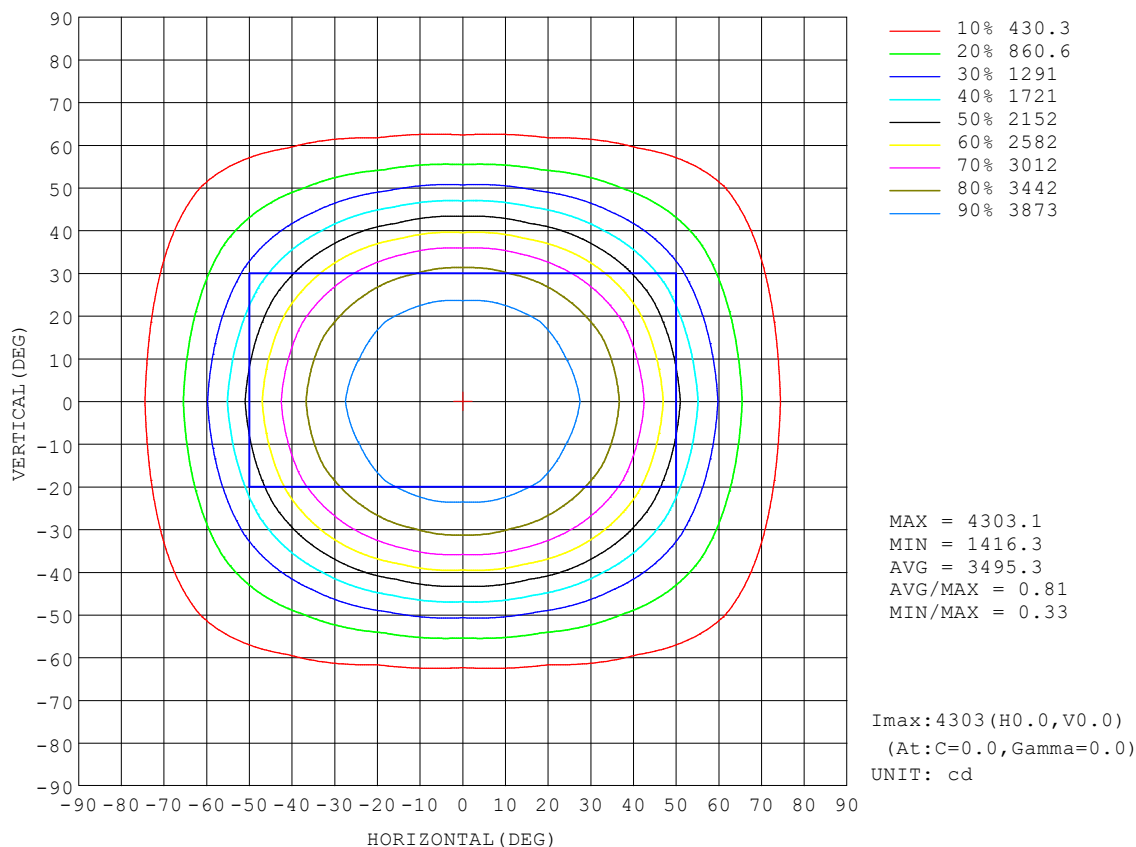
one-half-peak spread: U:43.5,D:43.5 , L:51.2,R:51.2 NEMA Beam Type: Type 7 x 6 (H x V)

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:277.41V I:0.2345A P:62.037W PF:0.9534 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:9338.01x1 lm		
NAME: ASD-FL2-60BK-PC-AM	TYPE: 60W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.235*0.13	Shielding Angle:

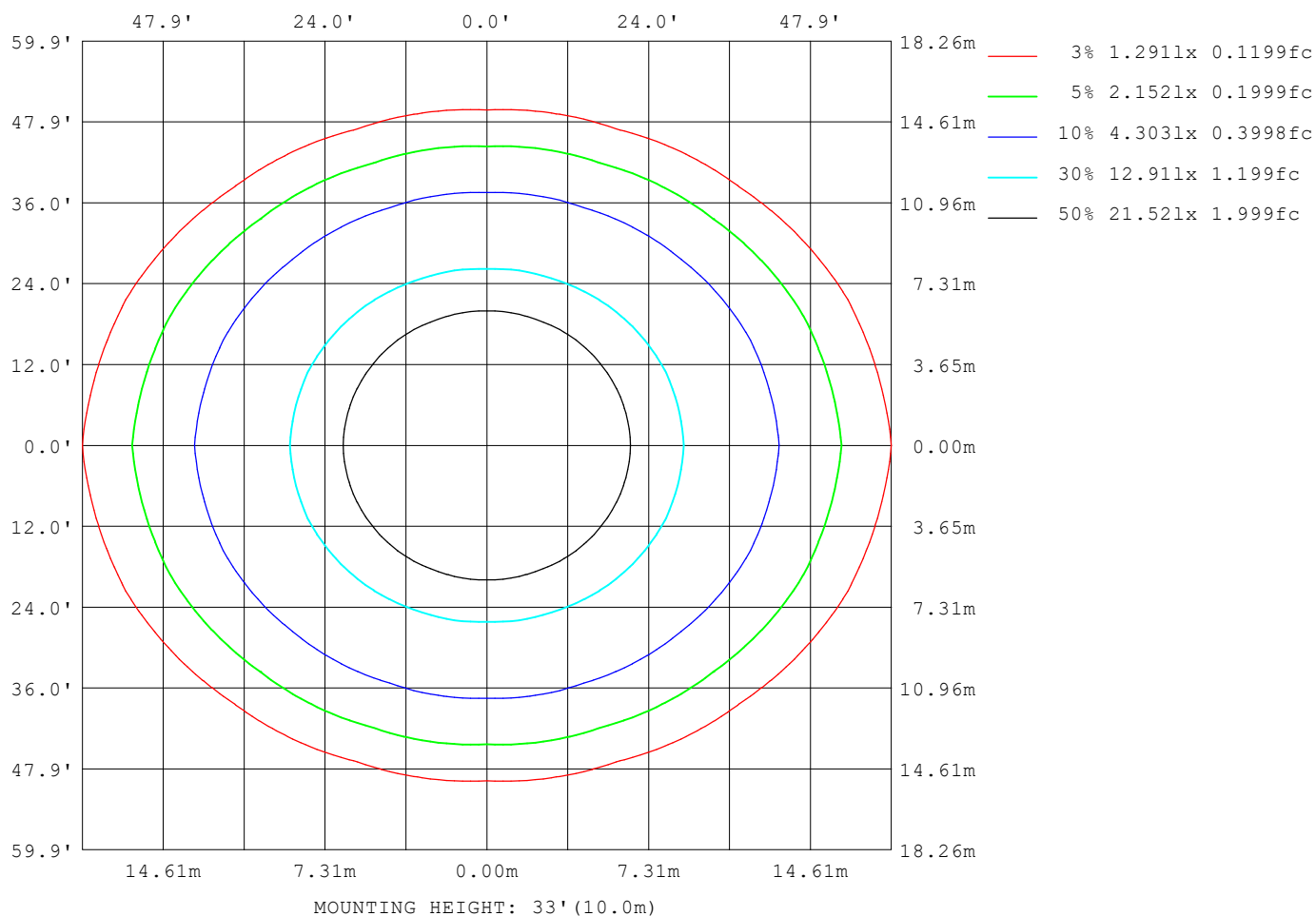


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C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-09-16

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:

ISOLUX DIAGRAM

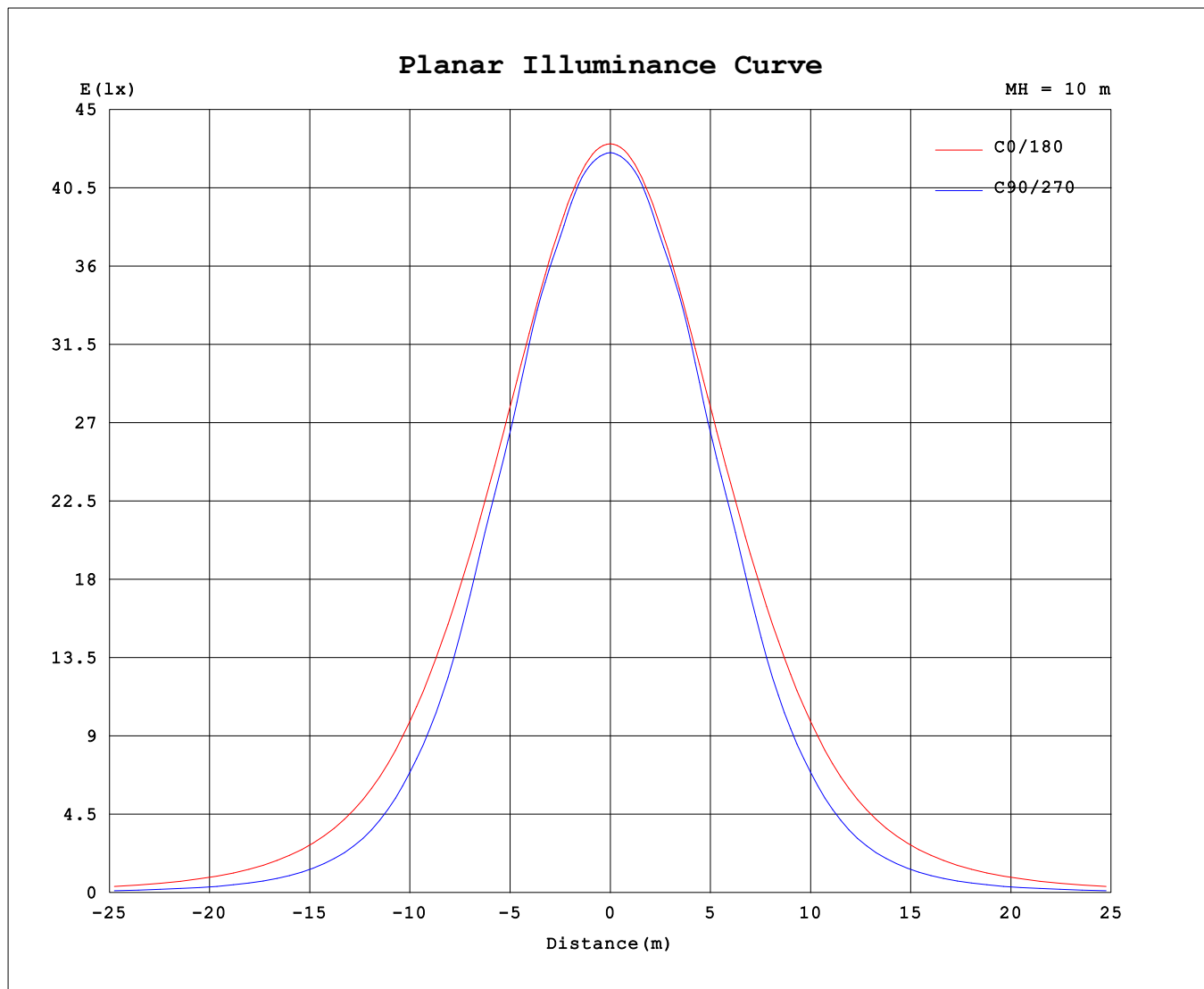
Test:U:277.41V I:0.2345A P:62.037W PF:0.9534 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:9338.01x1 lm		
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SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.235*0.13	Shielding Angle:



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

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

Planar Illuminance Curve

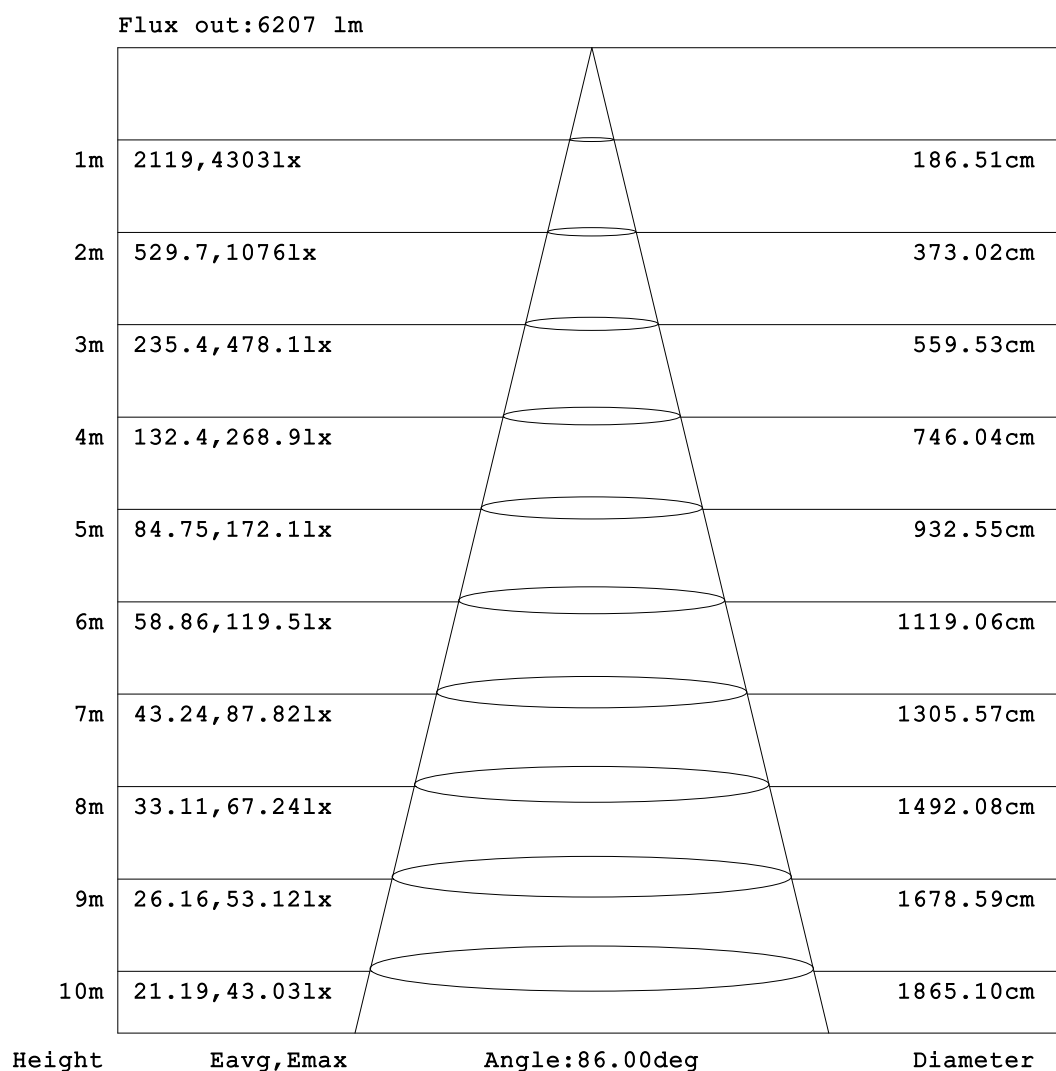


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2025-09-16

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Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
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AAI Figure

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NAME: ASD-FL2-60BK-PC-AM	TYPE: 60W	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℃
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:277.41V I:0.2345A P:62.037W PF:0.9534 Freq:50.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:9338.01x1 lm		
NAME: ASD-FL2-60BK-PC-AM	TYPE: 60W	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	4.67	4.83	6.18	7.82	9.65	11.6	13.7	15.9	18.1	20.3	22.4	24.4	26.5	28.6	30.7	32.6	34.2	35.3	35.8
-170	4.67	4.80	6.10	7.69	9.46	11.4	13.4	15.5	17.7	19.8	21.9	24.0	26.0	28.0	29.8	31.4	32.7	33.6	34.1
-160	4.67	4.75	5.93	7.41	9.05	10.8	12.7	14.7	16.6	18.6	20.6	22.4	24.1	25.6	27.1	28.3	29.3	29.9	30.2
-150	4.67	4.67	5.69	6.99	8.42	9.97	11.6	13.3	15.0	16.7	18.3	19.8	21.2	22.5	23.5	24.4	25.1	25.5	25.6
-140	4.67	4.59	5.38	6.45	7.64	8.91	10.2	11.6	12.9	14.2	15.4	16.6	17.7	18.6	19.5	20.1	20.6	20.9	20.9
-130	4.67	4.50	5.03	5.85	6.76	7.72	8.69	9.61	10.5	11.4	12.3	13.1	13.9	14.5	15.0	15.5	15.8	16.0	16.0
-120	4.67	4.44	4.71	5.21	5.82	6.47	7.05	7.62	8.17	8.71	9.21	9.67	10.1	10.4	10.7	11.0	11.1	11.2	11.2
-110	4.67	4.45	4.47	4.65	4.93	5.25	5.50	5.75	5.99	6.20	6.40	6.57	6.71	6.80	6.87	6.99	7.05	7.06	7.00
-100	4.67	4.79	4.42	4.34	4.35	4.35	4.31	4.27	4.23	4.19	4.16	4.12	4.07	4.00	3.96	3.96	3.94	3.91	3.85
-90	4.67	6.50	8.32	10.1	12.0	12.9	13.0	13.1	13.2	13.3	13.2	13.1	12.9	12.8	12.7	12.8	12.8	12.9	12.9
-80	4.67	14.3	29.9	45.2	59.0	69.2	74.2	75.9	74.1	68.6	69.4	69.3	67.5	63.9	61.5	61.6	60.9	59.7	57.9
-70	4.67	28.6	63.3	97.0	129	157	174	186	193	194	199	206	207	201	196	201	203	200	194
-60	4.67	44.9	99.9	155	209	260	300	335	366	393	418	453	479	496	503	530	550	555	546
-50	4.67	61.1	137	214	291	372	454	533	621	713	806	908	1016	1114	1194	1271	1338	1371	1364
-40	4.67	76.2	171	270	375	492	634	798	980	1183	1400	1630	1866	2079	2245	2356	2473	2530	2524
-30	4.67	89.1	201	320	454	619	833	1099	1416	1755	2118	2471	2783	3031	3225	3368	3455	3513	3526
-20	4.67	99.1	225	363	525	740	1029	1388	1810	2283	2745	3111	3386	3597	3779	3887	3975	4026	4036
-10	4.67	106	242	394	580	837	1185	1613	2107	2627	3081	3428	3673	3850	3992	4082	4154	4196	4207
0	4.67	108	250	410	610	891	1273	1734	2257	2783	3218	3541	3778	3954	4085	4182	4251	4293	4303
10	4.67	106	242	394	580	837	1185	1613	2107	2627	3081	3428	3673	3850	3992	4082	4154	4196	4207
20	4.67	99.1	225	363	525	740	1029	1388	1810	2283	2745	3111	3386	3597	3779	3887	3975	4026	4036
30	4.67	89.1	201	320	454	619	833	1099	1416	1755	2118	2471	2783	3031	3225	3368	3455	3513	3526
40	4.67	76.2	171	270	375	492	634	798	980	1183	1400	1630	1866	2079	2245	2356	2473	2530	2524
50	4.67	61.1	137	214	291	372	454	533	621	713	806	908	1016	1114	1194	1271	1338	1371	1364
60	4.67	44.9	99.9	155	209	260	300	335	366	393	418	453	479	496	503	530	550	555	546
70	4.67	28.6	63.3	97.0	129	157	174	186	193	194	199	206	207	201	196	201	203	200	194
80	4.67	14.3	29.9	45.2	59.0	69.2	74.2	75.9	74.1	68.6	69.4	69.3	67.5	63.9	61.5	61.6	60.9	59.7	57.9
90	4.67	6.50	8.32	10.1	12.0	12.9	13.0	13.1	13.2	13.3	13.2	13.1	12.9	12.8	12.7	12.8	12.8	12.9	12.9
100	4.67	4.79	4.42	4.34	4.35	4.35	4.31	4.27	4.23	4.19	4.16	4.12	4.07	4.00	3.96	3.96	3.94	3.91	3.85
110	4.67	4.45	4.47	4.65	4.93	5.25	5.50	5.75	5.99	6.20	6.40	6.57	6.71	6.80	6.87	6.99	7.05	7.06	7.00
120	4.67	4.44	4.71	5.21	5.82	6.47	7.05	7.62	8.17	8.71	9.21	9.67	10.1	10.4	10.7	11.0	11.1	11.2	11.2
130	4.67	4.50	5.03	5.85	6.76	7.72	8.69	9.61	10.5	11.4	12.3	13.1	13.9	14.5	15.0	15.5	15.8	16.0	16.0
140	4.67	4.59	5.38	6.45	7.64	8.91	10.2	11.6	12.9	14.2	15.4	16.6	17.7	18.6	19.5	20.1	20.6	20.9	20.9
150	4.67	4.67	5.69	6.99	8.42	9.97	11.6	13.3	15.0	16.7	18.3	19.8	21.2	22.5	23.5	24.4	25.1	25.5	25.6
160	4.67	4.75	5.93	7.41	9.05	10.8	12.7	14.7	16.6	18.6	20.6	22.4	24.1	25.6	27.1	28.3	29.3	29.9	30.2
170	4.67	4.80	6.10	7.69	9.46	11.4	13.4	15.5	17.7	19.8	21.9	24.0	26.0	28.0	29.8	31.4	32.7	33.6	34.1
180	4.67	4.83	6.18	7.82	9.65	11.6	13.7	15.9	18.1	20.3	22.4	24.4	26.5	28.6	30.7	32.6	34.2	35.3	35.8

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C Interval: 22.5DEG
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γ Interval: 1.0DEG
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Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

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UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:9338.01x1 lm		
NAME: ASD-FL2-60BK-PC-AM	TYPE: 60W	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	35.3	34.2	32.6	30.7	28.6	26.5	24.4	22.4	20.3	18.1	15.9	13.7	11.6	9.65	7.82	6.18	4.83	4.67	
-170	33.6	32.7	31.4	29.8	28.0	26.0	24.0	21.9	19.8	17.7	15.5	13.4	11.4	9.46	7.69	6.10	4.80	4.67	
-160	29.9	29.3	28.3	27.1	25.6	24.1	22.4	20.6	18.6	16.6	14.7	12.7	10.8	9.05	7.41	5.93	4.75	4.67	
-150	25.5	25.1	24.4	23.5	22.5	21.2	19.8	18.3	16.7	15.0	13.3	11.6	9.97	8.42	6.99	5.69	4.67	4.67	
-140	20.9	20.6	20.1	19.5	18.6	17.7	16.6	15.4	14.2	12.9	11.6	10.2	8.91	7.64	6.45	5.38	4.59	4.67	
-130	16.0	15.8	15.5	15.0	14.5	13.9	13.1	12.3	11.4	10.5	9.61	8.69	7.72	6.76	5.85	5.03	4.50	4.67	
-120	11.2	11.1	11.0	10.7	10.4	10.1	9.67	9.21	8.71	8.17	7.62	7.05	6.47	5.82	5.21	4.71	4.44	4.67	
-110	7.06	7.05	6.99	6.87	6.80	6.71	6.57	6.40	6.20	5.99	5.75	5.50	5.25	4.93	4.65	4.47	4.45	4.67	
-100	3.91	3.94	3.96	3.96	4.00	4.07	4.12	4.16	4.19	4.23	4.27	4.31	4.35	4.35	4.34	4.42	4.79	4.67	
-90	12.9	12.8	12.8	12.7	12.8	12.9	13.1	13.2	13.3	13.2	13.1	13.0	12.9	12.0	10.1	8.32	6.50	4.67	
-80	59.7	60.9	61.6	61.5	63.9	67.5	69.3	69.4	68.6	74.1	75.9	74.2	69.2	59.0	45.2	29.9	14.3	4.67	
-70	200	203	201	196	201	207	206	199	194	193	186	174	157	129	97.0	63.3	28.6	4.67	
-60	555	550	530	503	496	479	453	418	393	366	335	300	260	209	155	99.9	44.9	4.67	
-50	1371	1338	1271	1194	1114	1016	908	806	713	621	533	454	372	291	214	137	61.1	4.67	
-40	2530	2473	2356	2245	2079	1866	1630	1400	1183	980	798	634	492	375	270	171	76.2	4.67	
-30	3513	3455	3368	3225	3031	2783	2471	2118	1755	1416	1099	833	619	454	320	201	89.1	4.67	
-20	4026	3975	3887	3779	3597	3386	3111	2745	2283	1810	1388	1029	740	525	363	225	99.1	4.67	
-10	4196	4154	4082	3992	3850	3673	3428	3081	2627	2107	1613	1185	837	580	394	242	106	4.67	
0	4293	4251	4182	4085	3954	3778	3541	3218	2783	2257	1734	1273	891	610	410	250	108	4.67	
10	4196	4154	4082	3992	3850	3673	3428	3081	2627	2107	1613	1185	837	580	394	242	106	4.67	
20	4026	3975	3887	3779	3597	3386	3111	2745	2283	1810	1388	1029	740	525	363	225	99.1	4.67	
30	3513	3455	3368	3225	3031	2783	2471	2118	1755	1416	1099	833	619	454	320	201	89.1	4.67	
40	2530	2473	2356	2245	2079	1866	1630	1400	1183	980	798	634	492	375	270	171	76.2	4.67	
50	1371	1338	1271	1194	1114	1016	908	806	713	621	533	454	372	291	214	137	61.1	4.67	
60	555	550	530	503	496	479	453	418	393	366	335	300	260	209	155	99.9	44.9	4.67	
70	200	203	201	196	201	207	206	199	194	193	186	174	157	129	97.0	63.3	28.6	4.67	
80	59.7	60.9	61.6	61.5	63.9	67.5	69.3	69.4	68.6	74.1	75.9	74.2	69.2	59.0	45.2	29.9	14.3	4.67	
90	12.9	12.8	12.8	12.7	12.8	12.9	13.1	13.2	13.3	13.2	13.1	13.0	12.9	12.0	10.1	8.32	6.50	4.67	
100	3.91	3.94	3.96	3.96	4.00	4.07	4.12	4.16	4.19	4.23	4.27	4.31	4.35	4.35	4.34	4.42	4.79	4.67	
110	7.06	7.05	6.99	6.87	6.80	6.71	6.57	6.40	6.20	5.99	5.75	5.50	5.25	4.93	4.65	4.47	4.45	4.67	
120	11.2	11.1	11.0	10.7	10.4	10.1	9.67	9.21	8.71	8.17	7.62	7.05	6.47	5.82	5.21	4.71	4.44	4.67	
130	16.0	15.8	15.5	15.0	14.5	13.9	13.1	12.3	11.4	10.5	9.61	8.69	7.72	6.76	5.85	5.03	4.50	4.67	
140	20.9	20.6	20.1	19.5	18.6	17.7	16.6	15.4	14.2	12.9	11.6	10.2	8.91	7.64	6.45	5.38	4.59	4.67	
150	25.5	25.1	24.4	23.5	22.5	21.2	19.8	18.3	16.7	15.0	13.3	11.6	9.97	8.42	6.99	5.69	4.67	4.67	
160	29.9	29.3	28.3	27.1	25.6	24.1	22.4	20.6	18.6	16.6	14.7	12.7	10.8	9.05	7.41	5.93	4.75	4.67	
170	33.6	32.7	31.4	29.8	28.0	26.0	24.0	21.9	19.8	17.7	15.5	13.4	11.4	9.46	7.69	6.10	4.80	4.67	
180	35.3	34.2	32.6	30.7	28.6	26.5	24.4	22.4	20.3	18.1	15.9	13.7	11.6	9.65	7.82	6.18	4.83	4.67	

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: