

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	372.1 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	111.8V x 156.4H
	At 50% of Imax	77.0V x 150.6H
	At 90% of Imax	17.5V x 144.5H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	972.1 lumens per klm.
	To 50% of Imax	883.4 lumens per klm.
	To 90% of Imax	240.7 lumens per klm.

Upward LOR	1.1 %
Downward LOR	98.9 %

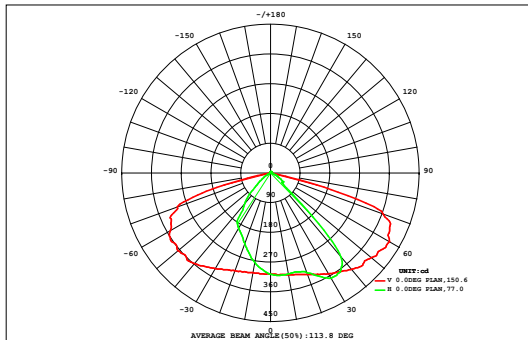
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2025-03-31

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
Humidity:65.0%
Test Distance:13.563m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:12.12V I:1.508A P:12.39W PF:0.6781 Freq:59.98Hz Lamp Flux:1117.99x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Spot Light	WEIGHT:
SPEC.:13W 2700K	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:90.21lm/W	
MODEL	F5A2-13W-27K-BZ	Imax(cd)	416.0
NOMINAL POWER(W)	13	AVAILABILITY(%)	97.9
RATED VOLTAGE(V)	12	Avai. FLUX(lm)	1094
NOMINAL FLUX(lm)	1117.99	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	1118
TEST VOLTAGE(V)	12	θ @50%(H,V)	151,77DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM															UNIT:lm			Φ t	Φ a					
	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.00	0.26	0.00						
90	0.00	0.01	0.02	0.08	0.35	0.76	0.94	0.81	0.40	0.43	0.88	1.00	0.73	0.31	0.06	0.02	0.01	0.00	6.82	3.96					
80	0.00	0.01	0.21	1.39	2.74	3.19	2.94	2.22	1.22	1.34	2.57	3.50	3.84	3.19	1.43	0.17	0.01	0.00	30.0	28.5					
70	0.00	0.06	1.25	3.28	4.11	4.23	3.88	3.07	1.94	2.04	3.38	4.39	4.93	4.92	3.96	1.29	0.04	0.00	46.8	46.5					
60	0.00	0.25	2.44	4.11	4.85	5.02	4.66	4.83	5.08	5.15	5.04	5.04	5.59	5.63	4.93	2.86	0.22	0.00	65.7	65.6					
50	0.00	0.60	3.15	4.64	5.51	5.98	8.20	10.1	10.8	10.9	10.3	8.51	6.44	6.17	5.48	3.82	0.58	0.00	101	101					
40	0.00	0.93	3.58	5.16	6.11	8.05	9.74	10.3	10.4	10.5	10.5	10.0	8.47	6.70	5.96	4.33	1.00	0.00	112	112					
30	0.01	1.18	3.88	5.63	6.92	8.73	9.40	9.47	9.47	9.53	9.66	9.73	9.14	7.49	6.42	4.67	1.33	0.01	113	113					
-30	0.01	1.33	4.13	6.08	7.55	8.67	9.02	9.16	9.35	9.42	9.37	9.41	9.12	8.14	6.88	4.96	1.52	0.01	114	114					
	0.01	1.33	4.13	6.08	7.46	8.28	8.57	8.77	8.95	9.01	8.98	8.95	8.74	8.06	6.87	4.96	1.51	0.01	111	111					
	0.01	1.18	3.86	5.60	6.80	7.61	7.94	7.98	7.90	7.95	8.17	8.27	8.02	7.37	6.39	4.65	1.32	0.01	101	101					
	0.00	0.92	3.55	5.11	6.09	6.81	7.21	7.20	6.73	6.79	7.38	7.49	7.23	6.68	5.91	4.30	0.99	0.00	90.4	90.3					
	0.00	0.59	3.12	4.57	5.43	5.80	6.01	5.90	5.42	5.48	6.08	6.32	6.26	6.09	5.40	3.79	0.58	0.00	76.8	76.7					
-40	0.00	0.25	2.42	4.02	4.70	4.88	4.60	4.10	3.23	3.30	4.31	4.98	5.45	5.49	4.84	2.84	0.22	0.00	59.6	59.5					
-50	0.00	0.05	1.24	3.22	3.95	3.98	3.57	2.74	1.60	1.70	3.04	4.08	4.69	4.76	3.90	1.28	0.04	0.00	43.9	43.2					
-60	0.00	0.01	0.21	1.37	2.66	3.02	2.65	1.83	0.74	0.86	2.18	3.21	3.66	3.11	1.41	0.17	0.01	0.00	27.1	25.4					
-70	0.00	0.01	0.02	0.08	0.34	0.73	0.88	0.71	0.27	0.30	0.78	0.94	0.71	0.30	0.06	0.02	0.01	0.00	6.14	3.46					
-80	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.15	0.00					
-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)										20	30	40	50	60	70	80	90
Φ t	0.06	8.73	37.2	60.4	75.6	85.8	90.2	89.2	83.6	84.7	92.6	95.9	93.1	84.4	69.9	44.2	9.41	0.07	1105	---					
Φ a	0.00	8.15	36.8	60.0	75.2	85.3	89.7	88.3	81.5	82.8	92.0	95.4	92.7	84.1	69.5	43.7	8.88	0.00	---		1094				

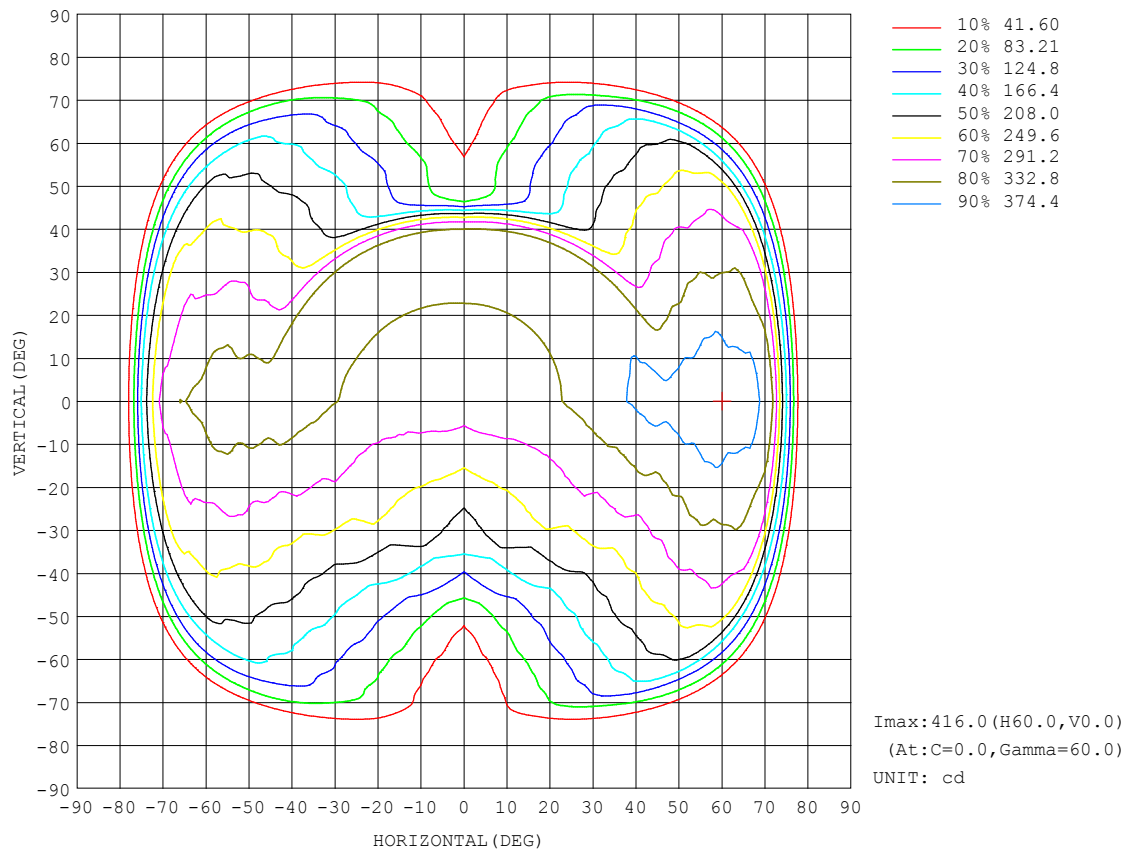
one-half-peak spread: U:38.5,D:9.0 , L:9.3,R:15.NEMA Beam Type: Type 7 x 6 (H x V)

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2025-03-31

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
Humidity:65.0%
Test Distance:13.563m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:12.12V I:1.508A P:12.39W PF:0.6781 Freq:59.98Hz Lamp Flux:1117.99x1 lm		
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SPEC.:13W 2700K	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

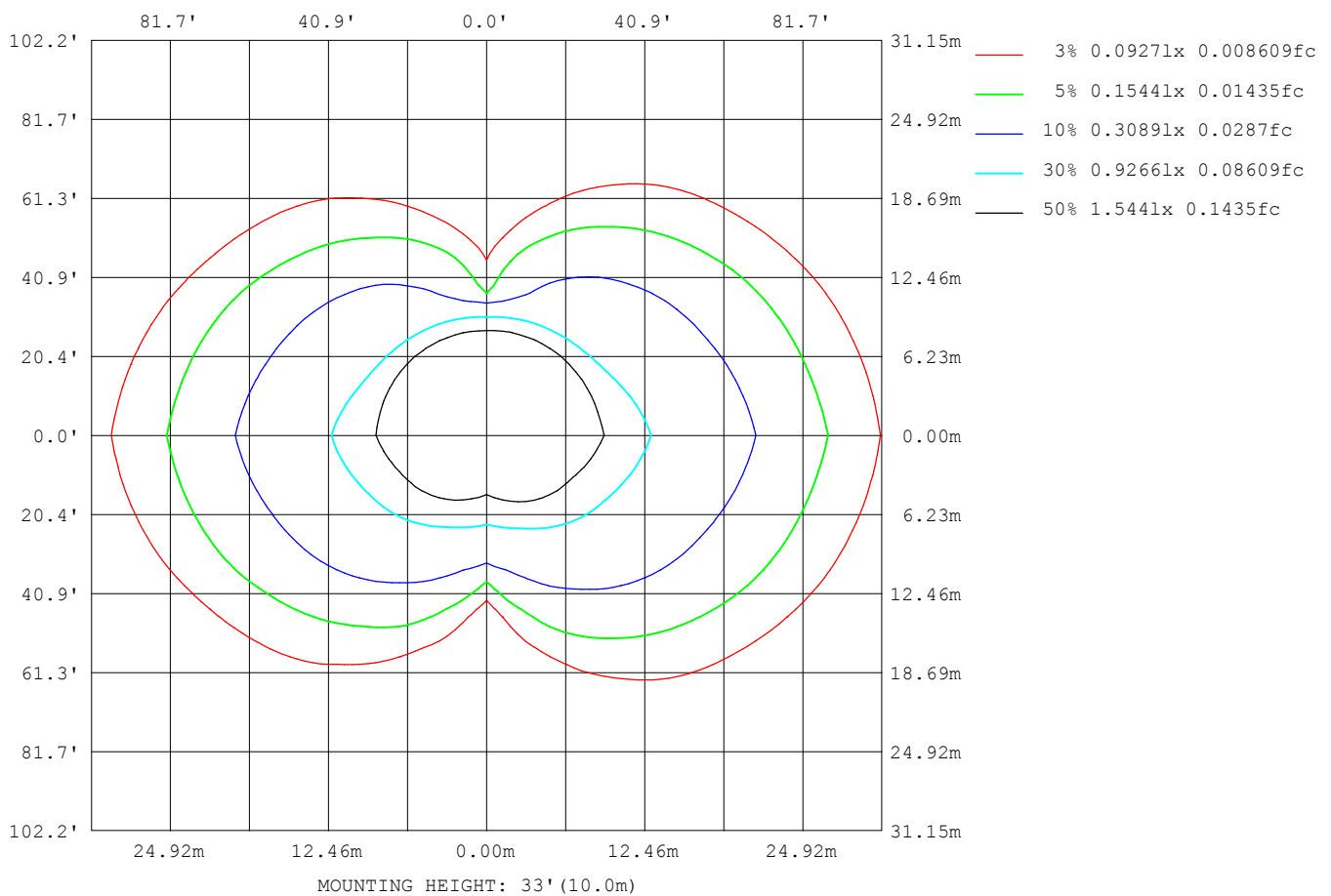


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Temperature:25.3DEG
Operators:ADMIN
Test Date:2025-03-31

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
Humidity:65.0%
Test Distance:13.563m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

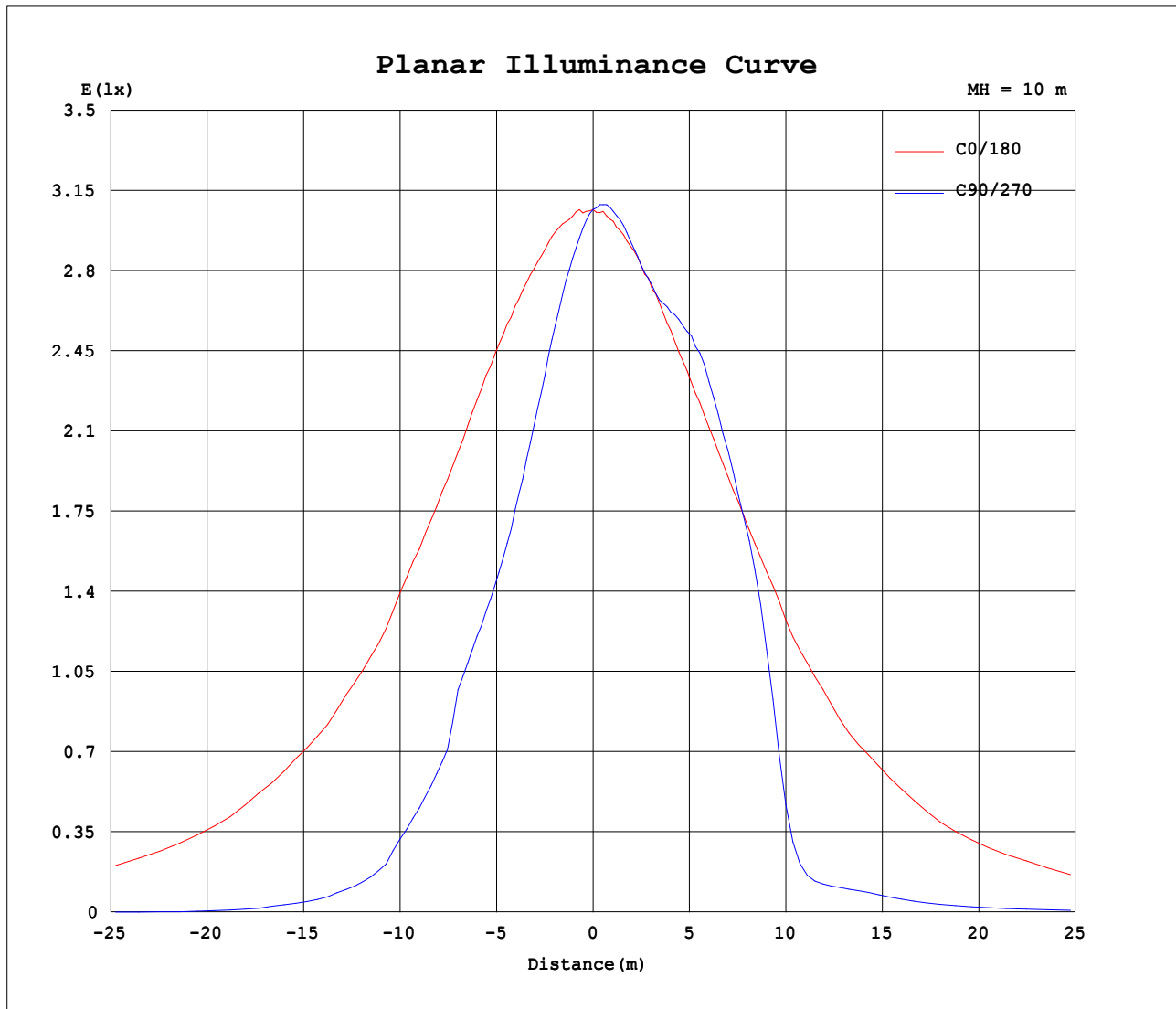
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MFR.: EVERFINE	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2025-03-31

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
Humidity:65.0%
Test Distance:13.563m [K=1.0000]
Remarks:

Planar Illuminance Curve

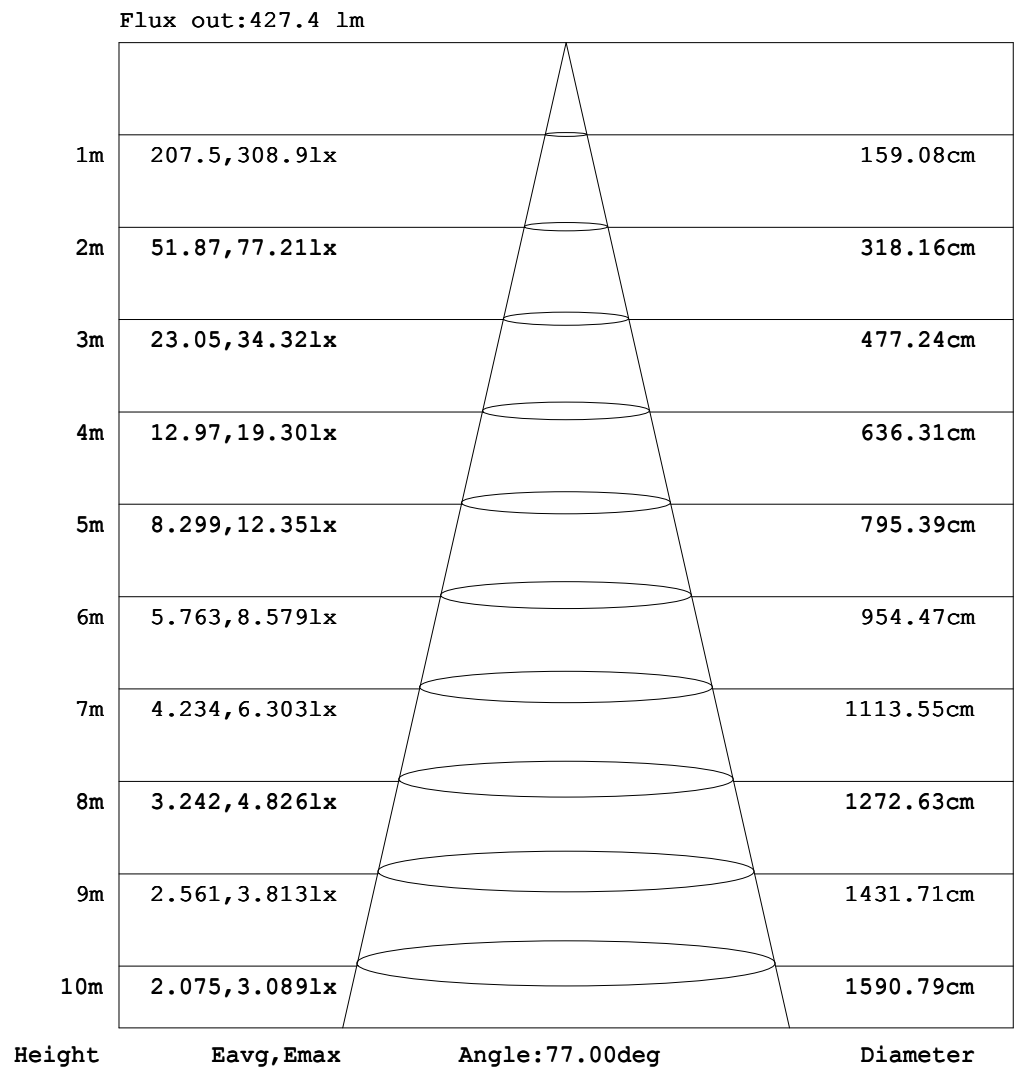


H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2025-03-31

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
Humidity:65.0%
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Remarks:

AAI Figure

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NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Spot Light	WEIGHT:
SPEC.:13W 2700K	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



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

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2025-03-31

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
Humidity:65.0%
Test Distance:13.563m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.12V I:1.508A P:12.39W PF:0.6781 Freq:59.98Hz Lamp Flux:1117.99x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Spot Light	WEIGHT:
SPEC.:13W 2700K	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	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	0.54	1.01	1.52	2.02	2.41	2.75	3.03	3.16	3.39	3.74	3.90	3.96	3.95	3.95	3.93	3.87	3.86	3.86	3.72
-170	0.54	1.00	1.48	1.94	2.31	2.63	2.91	3.05	3.26	3.60	3.81	3.90	3.92	3.92	3.98	4.05	4.05	4.04	4.08
-160	0.54	0.96	1.41	1.83	2.15	2.45	2.73	2.90	3.06	3.36	3.62	3.77	3.85	3.86	3.87	3.94	4.04	4.14	4.21
-150	0.54	0.92	1.31	1.67	1.98	2.23	2.47	2.68	2.82	2.99	3.25	3.48	3.62	3.71	3.77	3.78	3.78	3.77	3.76
-140	0.54	0.86	1.20	1.50	1.76	1.96	2.15	2.34	2.51	2.62	2.76	2.92	3.11	3.25	3.35	3.40	3.43	3.44	3.42
-130	0.54	0.80	1.06	1.29	1.50	1.67	1.79	1.92	2.04	2.16	2.26	2.33	2.41	2.49	2.56	2.61	2.65	2.65	2.61
-120	0.54	0.73	0.91	1.08	1.21	1.34	1.42	1.48	1.53	1.58	1.61	1.65	1.67	1.68	1.70	1.66	1.62	1.55	1.46
-110	0.54	0.65	0.76	0.86	0.94	1.00	1.03	1.06	1.06	1.05	1.02	0.98	0.93	0.88	0.82	0.75	0.67	0.58	0.47
-100	0.54	0.57	0.61	0.65	0.67	0.68	0.68	0.67	0.65	0.62	0.58	0.53	0.47	0.40	0.33	0.25	0.17	0.09	0.00
-90	0.54	0.51	0.48	0.45	0.42	0.39	0.36	0.33	0.30	0.27	0.24	0.21	0.18	0.15	0.12	0.09	0.06	0.03	0.00
-80	0.54	0.49	0.56	0.62	0.69	0.77	0.84	0.92	0.99	1.03	1.09	1.13	1.18	1.18	1.28	1.17	0.87	0.47	0.00
-70	0.54	0.59	0.79	1.08	1.49	2.25	5.30	16.3	36.3	62.4	81.3	85.7	83.7	77.7	66.6	51.8	35.0	17.7	0.00
-60	0.54	0.70	1.13	1.95	6.25	35.9	101	145	170	164	156	145	128	112	93.6	74.9	55.6	35.2	13.9
-50	0.54	0.80	1.61	5.69	52.2	152	208	211	213	201	190	181	165	147	130	112	92.8	72.2	50.1
-40	0.54	0.94	2.25	25.5	150	234	247	246	242	239	224	213	200	191	185	173	159	142	123
-30	0.54	1.06	3.29	64.9	211	261	275	277	279	266	259	255	249	239	239	233	222	208	193
-20	0.54	1.16	5.48	117	261	296	299	311	302	300	299	290	285	278	266	257	249	240	228
-10	0.54	1.23	7.60	153	285	316	326	339	336	329	329	318	310	298	290	286	283	281	275
0	0.54	1.26	8.45	169	300	332	351	364	366	361	358	346	334	323	315	309	307	306	307
10	0.54	1.24	7.62	153	285	317	327	340	336	330	354	351	343	333	322	314	309	309	310
20	0.54	1.17	5.51	117	262	297	302	313	304	298	321	351	353	350	343	334	327	322	320
30	0.54	1.08	3.33	65.1	212	264	278	281	283	267	257	275	333	352	358	360	361	364	368
40	0.54	0.96	2.29	25.6	150	236	250	251	247	245	230	214	197	198	245	292	320	330	333
50	0.54	0.82	1.66	5.79	52.4	153	211	216	219	208	198	190	175	156	135	114	91.8	69.3	46.3
60	0.54	0.71	1.19	2.04	6.39	36.2	102	147	174	170	165	156	139	124	107	89.3	71.3	52.2	32.2
70	0.54	0.61	0.84	1.18	1.62	2.41	5.54	16.7	36.9	63.6	83.5	89.0	88.2	83.6	74.0	60.5	45.0	28.7	11.9
80	0.54	0.50	0.59	0.68	0.79	0.94	1.04	1.15	1.25	1.33	1.42	1.51	1.61	1.67	1.83	1.77	1.54	1.18	0.76
90	0.54	0.52	0.50	0.48	0.46	0.44	0.41	0.39	0.37	0.35	0.33	0.31	0.29	0.27	0.25	0.23	0.21	0.19	0.17
100	0.54	0.57	0.62	0.65	0.67	0.68	0.68	0.67	0.65	0.62	0.58	0.53	0.47	0.40	0.33	0.25	0.17	0.09	0.00
110	0.54	0.65	0.76	0.86	0.94	1.00	1.03	1.05	1.04	1.00	0.94	0.87	0.77	0.66	0.54	0.42	0.28	0.14	0.00
120	0.54	0.73	0.91	1.08	1.21	1.33	1.39	1.41	1.38	1.34	1.26	1.17	1.06	0.98	0.83	0.70	0.55	0.38	0.21
130	0.54	0.80	1.06	1.29	1.49	1.63	1.70	1.73	1.73	1.73	1.68	1.61	1.52	1.43	1.35	1.21	1.07	0.91	0.73
140	0.54	0.86	1.20	1.50	1.74	1.89	1.99	2.07	2.12	2.10	2.07	2.06	2.07	2.02	1.95	1.84	1.67	1.49	1.28
150	0.54	0.92	1.31	1.67	1.95	2.14	2.30	2.42	2.44	2.48	2.58	2.67	2.66	2.60	2.51	2.39	2.25	2.08	1.87
160	0.54	0.96	1.41	1.83	2.13	2.37	2.59	2.68	2.76	2.95	3.11	3.15	3.13	3.08	3.02	2.95	2.88	2.75	2.56
170	0.54	1.00	1.48	1.94	2.29	2.59	2.83	2.94	3.09	3.38	3.54	3.57	3.56	3.53	3.51	3.48	3.42	3.34	3.19
180	0.54	1.01	1.52	2.02	2.41	2.75	3.03	3.16	3.39	3.74	3.90	3.96	3.95	3.95	3.93	3.87	3.86	3.86	3.69

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V(B) Range:-180 - 180DEG
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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
Humidity:65.0%
Test Distance:13.563m [K=1.0000]
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LUMINOUS DISTRIBUTION INTENSITY DATA

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NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Spot Light	WEIGHT:
SPEC.:13W 2700K	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	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	3.81	3.71	3.68	3.65	3.66	3.64	3.62	3.57	3.59	3.58	3.50	3.40	3.13	2.79	2.43	1.96	1.43	1.05	
-170	3.99	3.96	3.88	3.78	3.69	3.65	3.61	3.54	3.52	3.46	3.38	3.25	2.99	2.68	2.34	1.90	1.41	1.05	
-160	4.10	3.96	3.82	3.71	3.67	3.62	3.53	3.47	3.43	3.30	3.23	3.07	2.82	2.52	2.20	1.81	1.38	1.05	
-150	3.74	3.71	3.68	3.63	3.54	3.45	3.38	3.32	3.18	3.10	2.97	2.78	2.56	2.33	2.07	1.70	1.34	1.05	
-140	3.41	3.38	3.33	3.28	3.22	3.16	3.05	2.95	2.87	2.75	2.61	2.46	2.28	2.11	1.87	1.59	1.28	1.05	
-130	2.66	2.68	2.67	2.64	2.60	2.56	2.51	2.45	2.38	2.28	2.19	2.09	1.99	1.85	1.66	1.44	1.20	1.05	
-120	1.58	1.66	1.73	1.79	1.80	1.81	1.81	1.81	1.79	1.77	1.75	1.71	1.65	1.56	1.44	1.29	1.13	1.05	
-110	0.60	0.72	0.82	0.91	0.99	1.07	1.15	1.21	1.25	1.30	1.32	1.33	1.31	1.27	1.22	1.15	1.06	1.05	
-100	0.11	0.22	0.32	0.42	0.52	0.61	0.69	0.77	0.83	0.88	0.92	0.96	0.99	1.00	1.00	1.00	0.99	1.05	
-90	0.06	0.12	0.18	0.23	0.29	0.35	0.41	0.47	0.53	0.59	0.64	0.70	0.76	0.82	0.88	0.94	0.99	1.05	
-80	0.29	0.56	0.76	0.88	0.89	0.93	0.93	0.95	0.98	0.97	0.95	0.97	0.97	1.01	1.07	1.12	1.11	1.05	
-70	21.4	42.5	63.1	81.9	96.9	101	93.8	81.7	63.0	31.3	11.0	3.37	1.83	1.45	1.23	1.15	1.19	1.05	
-60	39.4	64.1	87.7	109	132	153	173	192	201	209	167	101	27.4	3.98	1.76	1.30	1.22	1.05	
-50	74.7	98.1	121	143	162	185	206	225	238	253	262	256	158	45.0	3.78	1.58	1.23	1.05	
-40	144	163	179	195	205	215	234	250	272	287	295	303	287	150	17.4	1.97	1.25	1.05	
-30	210	226	239	247	249	262	275	279	299	314	329	329	323	256	58.2	2.61	1.31	1.05	
-20	242	253	263	275	289	298	306	320	323	340	356	354	356	321	118	3.77	1.37	1.05	
-10	283	287	292	300	311	325	335	350	359	369	380	388	377	345	152	4.84	1.42	1.05	
0	309	313	318	327	338	352	365	381	394	399	407	416	398	362	167	5.28	1.44	1.05	
10	311	313	320	332	346	358	367	375	360	369	381	389	378	346	152	4.85	1.43	1.05	
20	324	331	341	352	361	366	367	342	322	341	359	356	357	321	118	3.80	1.39	1.05	
30	366	365	366	366	363	346	295	277	300	319	333	332	326	257	58.4	2.64	1.33	1.05	
40	332	324	298	255	211	211	234	255	279	293	299	307	288	151	17.5	2.01	1.27	1.05	
50	71.7	97.1	123	148	171	195	215	233	245	260	267	258	159	45.3	3.87	1.63	1.25	1.05	
60	56.4	79.8	102	123	144	164	183	200	207	213	169	102	27.7	4.12	1.85	1.36	1.24	1.05	
70	32.4	52.4	71.8	89.3	103	106	97.1	83.8	64.3	32.0	11.4	3.61	2.00	1.57	1.32	1.21	1.21	1.05	
80	1.00	1.22	1.37	1.43	1.38	1.37	1.31	1.29	1.28	1.23	1.18	1.17	1.13	1.11	1.13	1.15	1.13	1.05	
90	0.22	0.27	0.32	0.37	0.42	0.47	0.52	0.56	0.61	0.66	0.71	0.76	0.81	0.86	0.91	0.96	1.00	1.05	
100	0.11	0.22	0.32	0.42	0.52	0.61	0.69	0.77	0.83	0.88	0.92	0.96	0.99	1.00	1.00	1.00	1.00	1.05	
110	0.16	0.33	0.49	0.64	0.78	0.91	1.03	1.13	1.21	1.28	1.31	1.33	1.31	1.27	1.22	1.15	1.06	1.05	
120	0.41	0.59	0.77	0.93	1.09	1.20	1.33	1.46	1.55	1.63	1.67	1.67	1.64	1.56	1.44	1.29	1.13	1.05	
130	0.92	1.10	1.26	1.43	1.54	1.68	1.78	1.87	1.94	1.97	2.00	1.99	1.95	1.84	1.66	1.44	1.20	1.05	
140	1.46	1.62	1.78	1.88	1.99	2.11	2.19	2.26	2.35	2.37	2.34	2.31	2.21	2.09	1.87	1.59	1.28	1.05	
150	2.04	2.18	2.28	2.37	2.43	2.50	2.57	2.65	2.66	2.72	2.70	2.60	2.47	2.30	2.07	1.70	1.34	1.05	
160	2.70	2.79	2.83	2.86	2.88	2.91	2.91	2.96	3.02	3.00	3.01	2.92	2.74	2.50	2.20	1.81	1.38	1.05	
170	3.30	3.32	3.31	3.30	3.30	3.29	3.28	3.26	3.30	3.29	3.26	3.17	2.95	2.66	2.33	1.90	1.41	1.05	
180	3.81	3.71	3.68	3.65	3.66	3.64	3.62	3.57	3.59	3.58	3.50	3.40	3.13	2.79	2.43	1.96	1.43	1.05	

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2025-03-31

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
Humidity:65.0%
Test Distance:13.563m [K=1.0000]
Remarks: