

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	338.5 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	298.3V x 180.0H
	At 50% of Imax	111.9V x 180.0H
	At 90% of Imax	87.3V x 180.0H

Beam Flux	Total	999.9 lumens per klm.
	To 10% of Imax	977.2 lumens per klm.
	To 50% of Imax	877.7 lumens per klm.
	To 90% of Imax	638.3 lumens per klm.

Upward LOR	35.3 %
Downward LOR	64.7 %

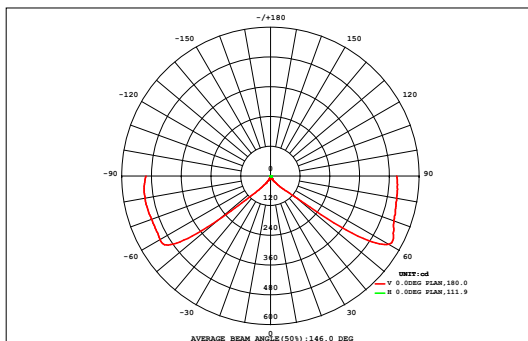
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2020-12-13

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:12.20V I:1.936A P:17.45W PF:0.7393 Freq:59.99Hz Lamp Flux:1648.94x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Wall Light	WEIGHT:
SPEC.:2*10W 3000K	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:94.49lm/W	
MODEL	W3A3-10W-30K-BZ	Imax(cd)	558.2
NOMINAL POWER(W)	2*10	AVAILABILITY(%)	95.0
RATED VOLTAGE(V)	12	Avai. FLUX(lm)	1567
NOMINAL FLUX(lm)	1648.94	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	1649
TEST VOLTAGE(V)	12	θ @50%(H,V)	180,112DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	1.24	3.30	4.70	5.42	5.48	4.95	3.92	2.51	0.86	0.87	2.52	3.94	4.98	5.52	5.46	4.74	3.33	1.25	65.0	63.2
90	1.24	3.30	4.70	5.42	5.48	4.95	3.92	2.51	0.86	0.87	2.52	3.94	4.98	5.52	5.46	4.74	3.33	1.25	65.0	63.2
80	1.25	3.35	4.80	5.56	5.65	5.11	4.06	2.61	0.90	0.92	2.65	4.11	5.16	5.68	5.58	4.82	3.37	1.26	66.8	65.3
70	1.26	3.41	4.91	5.73	5.85	5.33	4.27	2.76	0.97	1.03	2.94	4.50	5.55	6.00	5.80	4.94	3.42	1.27	69.9	68.4
60	1.27	3.47	5.06	5.96	6.18	5.75	4.61	2.86	0.97	0.83	2.60	4.62	6.15	6.57	6.16	5.13	3.49	1.28	72.9	71.4
50	1.28	3.55	5.24	6.29	6.68	5.56	3.04	1.31	0.40	0.26	0.77	1.91	4.59	6.97	6.70	5.38	3.57	1.29	64.8	62.0
40	1.30	3.64	5.47	6.76	6.43	2.98	1.16	0.55	0.22	0.18	0.40	0.78	1.72	5.29	7.22	5.69	3.68	1.31	54.8	51.2
30	1.32	3.75	5.75	7.19	4.69	1.54	0.69	0.32	0.14	0.12	0.24	0.49	1.03	2.91	7.18	6.07	3.80	1.32	48.5	45.2
	1.33	3.86	6.06	7.36	3.32	1.15	0.49	0.20	0.08	0.07	0.15	0.35	0.80	1.92	6.63	6.46	3.93	1.34	45.5	42.5
	1.35	3.98	6.40	7.55	2.89	1.07	0.43	0.16	0.07	0.07	0.12	0.31	0.75	1.73	6.35	6.85	4.06	1.36	45.5	42.6
	1.35	3.98	6.40	7.55	2.89	1.07	0.43	0.16	0.07	0.07	0.12	0.31	0.75	1.73	6.35	6.85	4.06	1.36	45.5	42.6
	1.33	3.86	6.06	7.36	3.32	1.15	0.48	0.19	0.08	0.07	0.15	0.35	0.80	1.92	6.63	6.46	3.93	1.34	45.5	42.5
	1.32	3.75	5.75	7.19	4.69	1.54	0.69	0.31	0.12	0.10	0.23	0.49	1.03	2.91	7.18	6.07	3.80	1.32	48.5	45.1
-30	1.30	3.64	5.47	6.76	6.43	2.98	1.15	0.54	0.22	0.17	0.39	0.78	1.72	5.29	7.22	5.69	3.68	1.31	54.7	51.2
-40	1.28	3.55	5.24	6.29	6.68	5.56	3.04	1.31	0.40	0.26	0.77	1.91	4.59	6.97	6.70	5.38	3.57	1.29	64.8	62.0
-50	1.27	3.47	5.06	5.96	6.18	5.75	4.60	2.86	0.97	0.83	2.60	4.62	6.15	6.57	6.16	5.13	3.49	1.28	72.9	71.4
-60	1.26	3.41	4.91	5.73	5.85	5.33	4.26	2.76	0.96	1.03	2.93	4.50	5.55	6.00	5.80	4.94	3.42	1.27	69.9	68.4
-70	1.25	3.35	4.80	5.56	5.64	5.11	4.06	2.60	0.90	0.92	2.64	4.11	5.16	5.68	5.58	4.82	3.37	1.26	66.8	65.3
-80	1.24	3.30	4.70	5.41	5.48	4.95	3.92	2.51	0.86	0.87	2.52	3.94	4.98	5.52	5.46	4.74	3.33	1.25	65.0	63.2
-90	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	23.2	64.6	96.8	116	94.3	66.9	45.3	26.5	9.20	8.66	24.8	42.0	61.4	85.2	114	100	65.3	23.3	1067	---
Φ a	23.2	64.6	96.8	116	94.3	62.7	40.0	22.6	1.16	1.28	21.2	37.0	55.6	84.5	114	100	65.3	23.3	---	1024

one-half-peak spread: U:23.1,D:22.2 , L:8.0,R:4.0

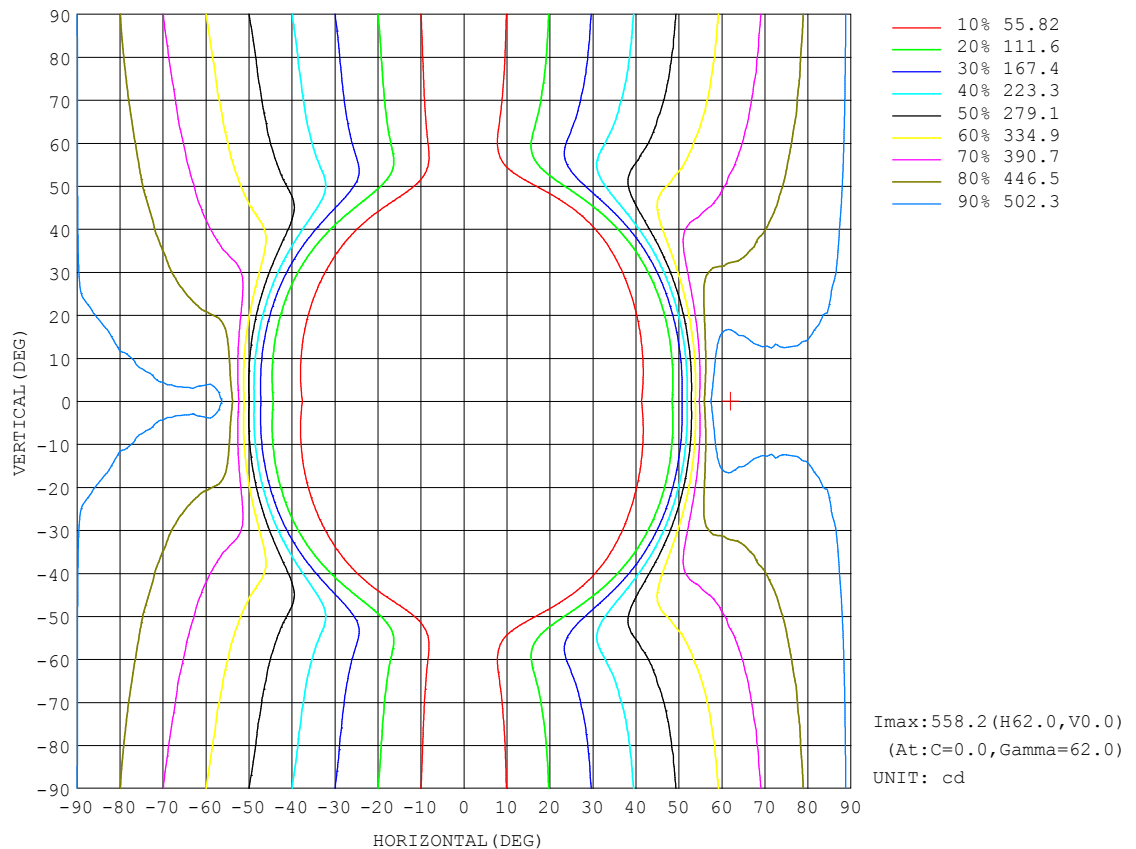
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2020-12-13

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:12.20V I:1.936A P:17.45W PF:0.7393 Freq:59.99Hz Lamp Flux:1648.94x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Wall Light	WEIGHT:
SPEC.:2*10W 3000K	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

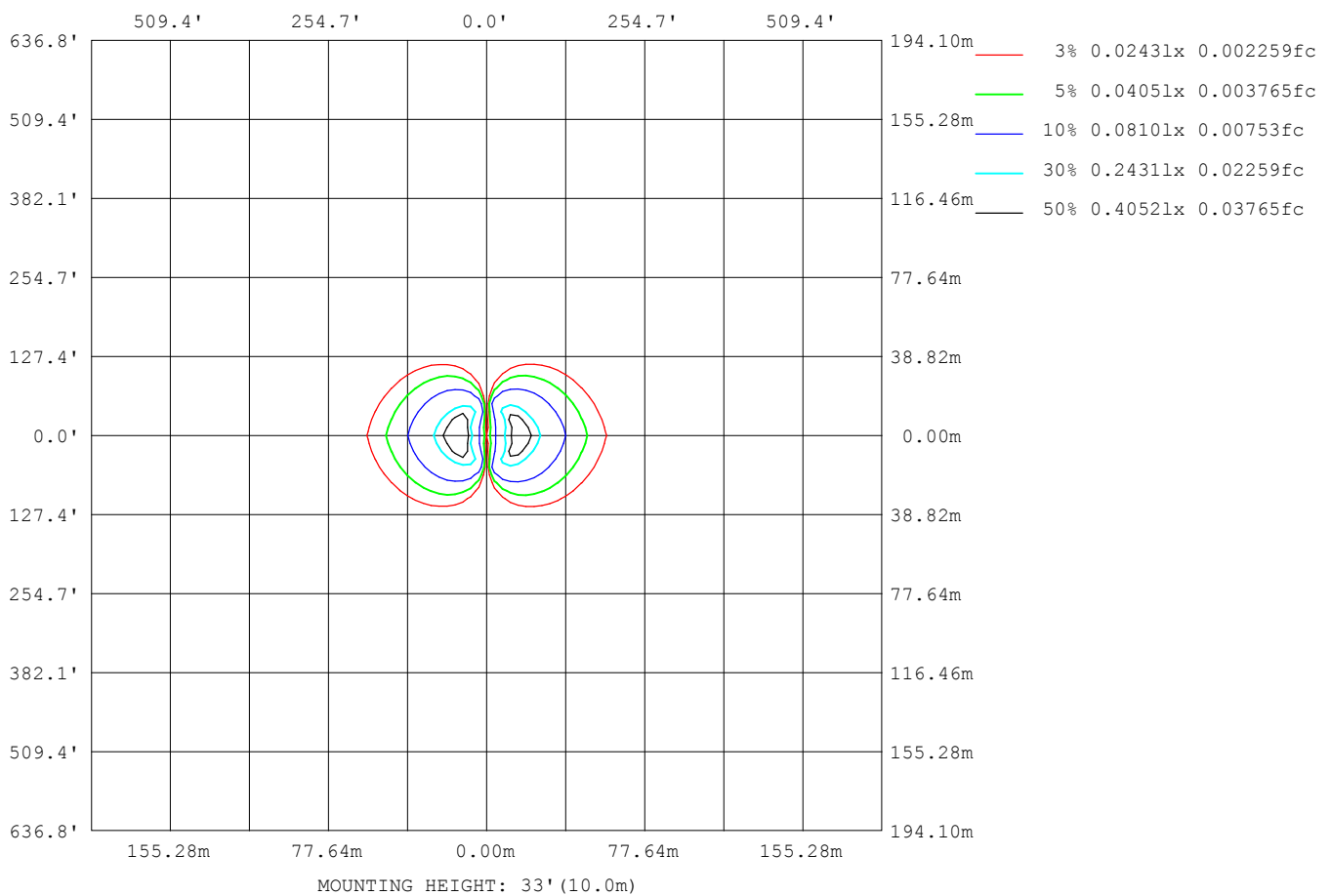


H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2020-12-13

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

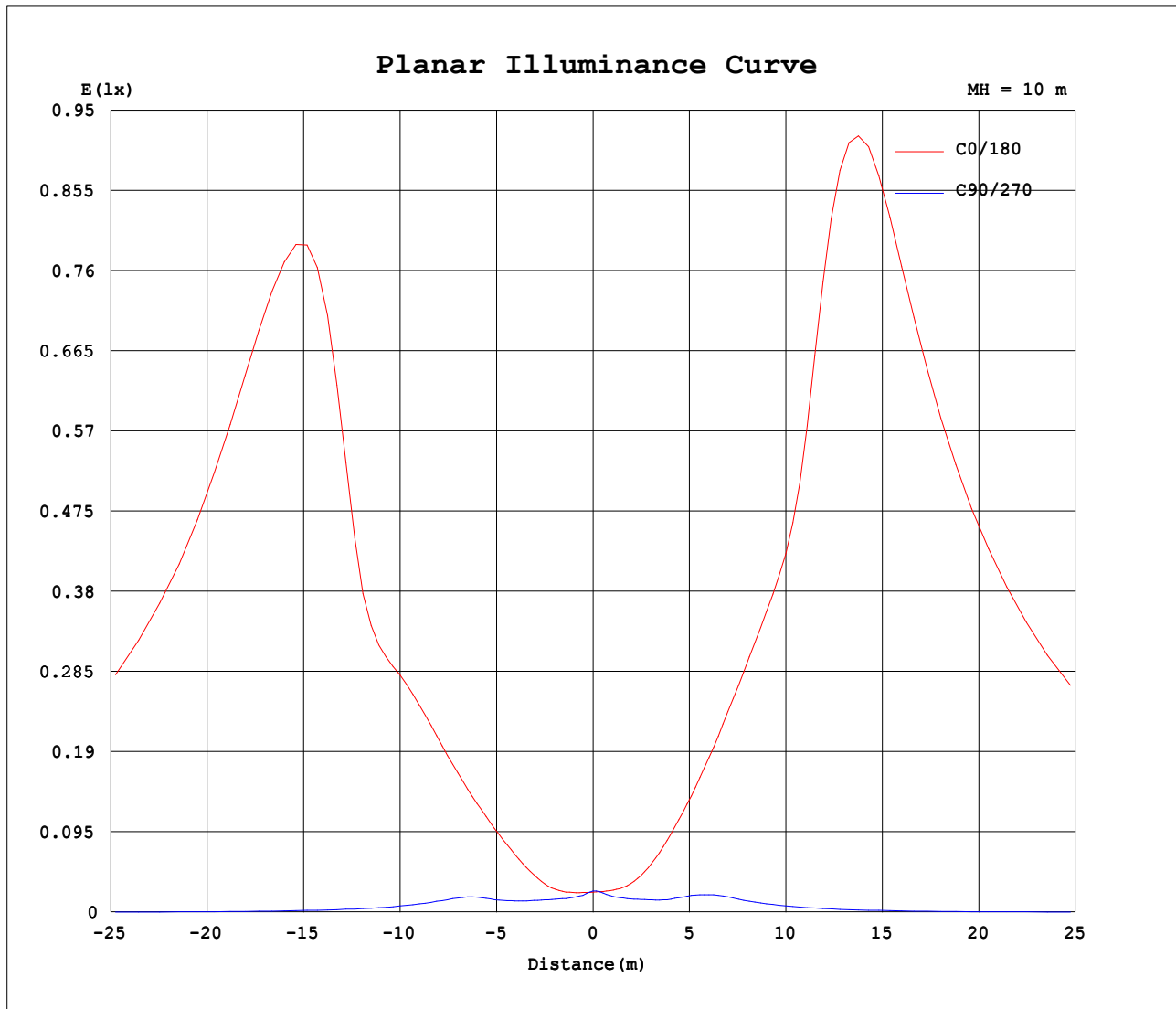
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NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Wall Light	WEIGHT:
SPEC.:2*10W 3000K	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2020-12-13

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

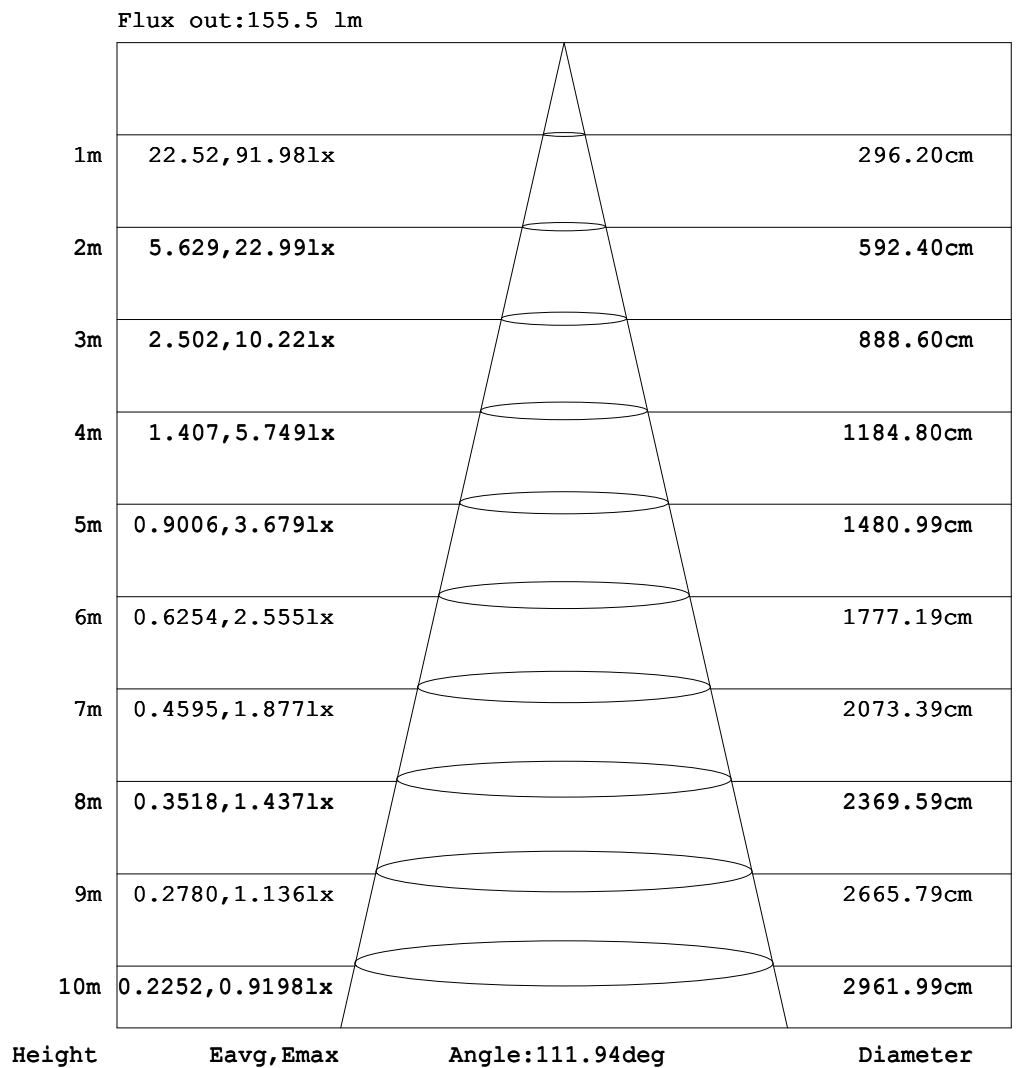


H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2020-12-13

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:

AAI Figure

Test:U:12.20V I:1.936A P:17.45W PF:0.7393 Freq:59.99Hz Lamp Flux:1648.94x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Wall Light	WEIGHT:
SPEC.:2*10W 3000K	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:2020-12-13

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:12.20V I:1.936A P:17.45W PF:0.7393 Freq:59.99Hz Lamp Flux:1648.94x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Wall Light	WEIGHT:
SPEC.:2*10W 3000K	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	503	502	499	426	33.5	7.85	15.5	21.7	66.5	2.64	1.92	1.48	9.73	10.2	4.86	0.14	0.43	0.98	0.00
-170	503	497	489	422	38.5	7.65	13.3	20.8	52.0	3.81	2.51	1.43	3.38	9.71	5.05	0.08	0.07	0.10	0.00
-160	503	492	480	435	66.5	8.93	8.88	18.7	19.8	38.6	1.85	1.43	1.21	2.22	7.03	4.21	2.14	0.87	0.02
-150	503	488	472	439	181	17.0	6.30	11.8	17.2	23.8	33.6	1.80	1.74	1.06	0.99	0.70	1.13	1.10	0.14
-140	503	484	465	441	350	50.7	10.2	5.57	9.75	14.3	12.1	27.4	24.0	2.29	1.15	1.04	0.78	0.51	0.35
-130	503	480	459	435	399	280	53.1	12.7	5.20	4.90	7.54	9.70	9.57	7.49	7.10	9.73	8.69	5.16	0.56
-120	503	477	454	428	402	370	315	173	43.3	14.5	6.49	3.59	2.88	2.62	2.58	2.44	1.87	1.04	0.07
-110	503	475	449	423	396	369	341	312	278	242	190	126	71.8	35.4	17.0	8.56	4.75	2.09	0.01
-100	503	474	447	419	392	364	337	309	281	253	225	197	169	141	113	84.4	56.3	28.1	0.00
-90	503	475	447	419	391	363	335	307	279	251	223	196	168	140	112	83.8	55.9	27.9	0.00
-80	503	477	451	425	398	371	343	316	288	260	231	202	174	145	116	87.0	58.1	29.1	0.12
-70	503	480	456	432	406	379	351	324	296	267	239	210	180	150	121	90.7	60.7	30.5	0.33
-60	503	484	463	440	414	389	362	335	307	279	250	221	192	161	130	98.7	66.5	33.8	0.85
-50	503	488	470	448	426	402	376	351	325	299	272	243	207	162	117	78.0	46.9	22.5	1.62
-40	503	492	477	459	439	417	395	374	353	325	266	178	99.0	56.5	36.5	24.2	15.5	8.61	2.57
-30	503	497	486	472	455	436	420	404	374	273	139	72.1	45.8	30.1	20.1	13.4	8.85	5.43	2.64
-20	503	502	494	484	471	459	449	435	339	164	81.0	49.7	31.2	19.6	12.3	7.68	4.81	2.96	1.61
-10	503	507	504	499	491	485	482	454	287	121	68.8	41.8	25.4	15.3	9.06	5.30	3.22	2.21	1.64
0	503	512	514	514	511	511	515	481	281	120	71.1	43.3	26.3	15.9	9.37	5.33	3.28	2.56	2.37
10	503	507	504	499	491	485	482	454	287	121	68.8	41.8	25.4	15.4	9.14	5.33	3.26	2.26	1.70
20	503	502	494	484	471	459	449	435	339	164	81.0	49.7	31.2	19.8	12.6	7.99	5.01	3.10	1.76
30	503	497	486	472	455	436	420	404	374	273	139	72.1	45.8	30.2	20.2	13.7	9.19	5.89	3.19
40	503	492	477	459	439	417	395	374	353	325	266	178	99.0	56.5	36.5	24.3	15.5	8.68	2.65
50	503	488	470	448	426	402	376	351	325	299	272	243	207	162	117	78.0	46.9	22.5	1.64
60	503	484	463	440	414	389	362	335	307	279	251	221	192	161	130	98.8	66.5	33.8	0.91
70	503	480	456	432	406	379	351	324	296	267	239	210	180	150	121	90.8	60.8	30.7	0.47
80	503	477	451	425	398	371	344	316	288	260	231	202	174	145	116	87.1	58.1	29.2	0.20
90	503	475	447	419	391	363	335	307	279	251	223	196	168	140	112	83.8	55.9	27.9	0.00
100	503	474	447	419	392	364	337	309	281	253	225	197	169	141	113	84.4	56.3	28.1	0.00
110	503	475	449	423	396	369	341	312	278	242	190	126	71.8	35.4	17.0	8.55	4.74	2.08	0.00
120	503	477	454	428	402	370	315	173	43.3	14.4	6.48	3.59	2.87	2.60	2.57	2.39	1.82	0.98	0.00
130	503	480	459	435	399	280	53.1	12.7	5.20	4.89	7.51	9.63	9.54	7.56	7.21	9.81	8.74	5.15	0.54
140	503	484	465	441	350	50.7	10.2	5.57	9.73	14.2	12.2	27.4	23.8	2.23	1.08	0.92	0.64	0.40	0.25
150	503	488	472	439	181	17.0	6.29	11.8	17.2	23.9	33.5	1.77	1.67	1.11	0.86	0.66	1.13	1.07	0.11
160	503	492	480	435	66.5	8.93	8.87	18.7	19.9	38.5	1.83	1.42	1.14	2.23	6.99	4.21	2.15	0.89	0.03
170	503	497	489	422	38.5	7.65	13.3	20.8	52.0	3.80	2.49	1.40	3.39	9.71	5.05	0.08	0.07	0.10	0.00
180	503	502	499	426	33.5	7.85	15.5	21.7	66.5	2.64	1.92	1.48	9.73	10.2	4.86	0.14	0.43	0.98	0.00

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2020-12-13

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:12.20V I:1.936A P:17.45W PF:0.7393 Freq:59.99Hz Lamp Flux:1648.94x1 lm		
NAME: LED LANDSCAPE LIGHT	TYPE:Aluminum Wall Light	WEIGHT:
SPEC.:2*10W 3000K	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	0.05	0.62	0.00	5.56	11.2	9.34	1.34	1.61	6.71	225	243	183	39.3	269	430	505	508	509	
-170	0.13	0.05	0.01	5.82	10.5	3.93	1.25	1.56	11.7	223	229	149	51.6	263	427	495	503	509	
-160	1.02	2.47	4.65	7.32	2.67	1.10	1.22	3.20	77.9	213	218	78.4	95.1	264	441	486	499	509	
-150	1.09	1.27	0.71	0.92	0.95	1.21	4.01	69.3	184	188	136	25.5	174	282	446	478	495	509	
-140	0.46	0.59	0.94	1.74	6.15	49.3	134	145	163	109	20.5	116	232	358	445	470	492	509	
-130	17.2	35.8	55.7	73.4	86.0	104	117	84.3	28.7	39.2	134	210	304	405	440	464	487	509	
-120	11.4	20.4	24.9	22.7	14.7	11.6	30.3	73.5	131	172	223	318	373	407	433	459	485	509	
-110	16.0	32.3	49.3	67.3	86.5	112	148	195	245	281	315	345	373	401	428	456	483	509	
-100	28.5	57.0	85.5	114	142	171	199	227	256	284	312	341	370	398	425	454	481	509	
-90	28.3	56.6	84.9	113	141	170	198	226	255	283	311	339	368	396	424	453	481	509	
-80	29.3	58.4	87.5	117	145	174	203	232	260	289	317	344	373	400	428	456	483	509	
-70	31.6	62.8	93.8	124	155	185	214	242	271	299	326	353	381	407	433	459	485	509	
-60	36.2	71.6	107	142	175	206	236	264	290	317	343	368	392	416	441	464	488	509	
-50	12.2	25.5	45.9	79.3	129	189	247	294	325	347	367	388	409	429	450	471	491	509	
-40	6.68	11.3	17.2	25.1	36.0	53.2	98.0	206	316	380	404	416	430	446	462	479	495	509	
-30	4.54	6.89	10.0	14.5	21.3	31.9	48.1	74.4	171	343	434	452	456	466	476	487	499	509	
-20	2.55	3.85	5.86	9.07	14.1	21.9	34.7	54.9	88.1	228	426	489	487	486	491	497	503	509	
-10	1.99	2.65	4.14	6.79	11.1	18.0	29.1	47.7	76.6	153	400	519	518	508	506	507	508	509	
0	2.33	2.71	4.07	6.97	11.5	18.6	30.0	49.3	79.4	142	405	551	547	530	522	517	513	509	
10	2.04	2.69	4.17	6.87	11.2	18.0	29.1	47.7	76.6	153	400	519	518	508	506	507	508	509	
20	2.68	4.05	6.17	9.39	14.3	21.9	34.7	54.9	88.1	228	426	489	487	486	491	497	503	509	
30	5.01	7.23	10.2	14.6	21.3	32.0	48.1	74.4	171	343	435	452	456	466	476	488	499	509	
40	6.75	11.4	17.2	25.1	36.0	53.2	98.1	206	316	380	404	416	431	446	462	479	495	509	
50	12.3	25.6	46.0	79.3	129	189	247	294	325	347	367	388	409	429	450	471	491	509	
60	36.2	71.7	107	142	176	206	236	264	290	317	343	368	392	416	441	464	488	509	
70	31.8	62.9	93.9	125	155	185	214	243	271	299	326	353	381	407	433	459	485	509	
80	29.3	58.5	87.5	117	146	174	203	232	260	289	317	344	373	400	428	456	483	509	
90	28.3	56.6	84.9	113	141	170	198	226	255	283	311	339	368	396	424	453	481	509	
100	28.5	57.0	85.5	114	142	171	199	227	256	284	312	341	370	398	425	454	481	509	
110	16.0	32.3	49.3	67.3	86.5	112	148	195	245	281	315	345	373	401	428	456	483	509	
120	11.3	20.4	24.8	22.7	14.7	11.6	30.3	73.5	131	172	223	318	373	407	433	459	485	509	
130	17.2	35.8	55.8	73.5	86.1	104	117	84.3	28.7	39.1	134	210	304	405	440	464	487	509	
140	0.35	0.46	0.81	1.67	6.09	49.1	134	145	163	109	20.5	116	232	358	445	470	492	509	
150	1.06	1.28	0.67	0.79	1.00	1.14	3.98	69.2	184	188	136	25.5	174	282	446	478	495	509	
160	1.04	2.48	4.65	7.28	2.68	1.03	1.22	3.17	77.8	213	218	78.4	95.1	264	441	486	499	509	
170	0.13	0.05	0.01	5.82	10.5	3.93	1.22	1.54	11.7	223	229	149	51.6	263	427	495	503	509	
180	0.05	0.62	0.00	5.56	11.2	9.34	1.34	1.61	6.71	225	243	183	39.3	269	430	505	508	509	

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ADMIN
Test Date:2020-12-13

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: