

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	535.3 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	3.0 degrees horizontal

Beam Spread	At 10% of Imax	104.0V x 104.0H
	At 50% of Imax	89.8V x 90.9H
	At 90% of Imax	62.1V x 63.9H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	930.7 lumens per klm.
	To 50% of Imax	843.3 lumens per klm.
	To 90% of Imax	479.7 lumens per klm.

Upward LOR	2.2 %
Downward LOR	97.8 %

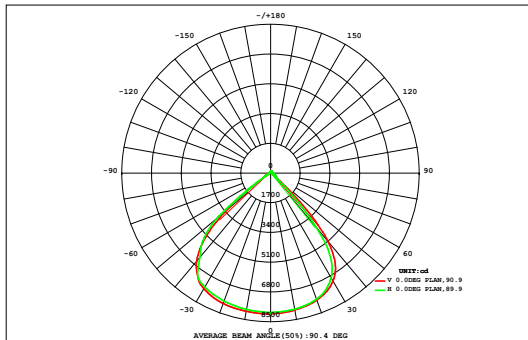
Luminaire Efficiency (Light Output Ratio)	100.0 %
---	---------

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jason
Test Date: 2024-12-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.250m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:218.61V I:0.4685A P:100.23W PF:0.9787 Freq:49.99Hz Lamp Flux:15036.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:150.02lm/W	
MODEL		Imax (cd)	8049
NOMINAL POWER (W)	100	AVAILABILITY (%)	93.2
RATED VOLTAGE (V)	220	Avai. FLUX (lm)	14017
NOMINAL FLUX (lm)	15036.9	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	15037
TEST VOLTAGE (V)	220	θ @50% (H,V)	91,90DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.08	0.26	0.43	0.62	0.80	0.99	1.17	1.31	1.42	1.48	1.49	1.42	1.30	1.11	0.89	0.65	0.39	0.13	15.9	0.00
90	0.08	0.26	0.43	0.62	0.80	0.99	1.17	1.31	1.42	1.48	1.49	1.42	1.30	1.11	0.89	0.65	0.39	0.13	15.9	0.00
80	0.09	0.28	0.52	0.87	1.36	1.95	2.57	3.10	3.47	3.60	3.47	3.11	2.60	2.01	1.43	0.90	0.47	0.14	31.9	0.00
70	0.09	0.30	0.72	1.48	2.58	3.91	5.36	6.72	7.72	7.94	7.35	6.27	4.91	3.52	2.26	1.28	0.58	0.15	63.1	0.00
60	0.09	0.36	1.05	2.30	4.15	6.96	14.1	28.9	44.1	45.8	32.1	16.5	8.64	5.56	3.36	1.74	0.72	0.16	216	136
50	0.09	0.44	1.41	3.17	6.95	25.6	71.2	121	154	160	139	93.8	36.3	9.41	4.61	2.25	0.86	0.18	830	792
40	0.09	0.52	1.73	4.18	17.5	70.1	142	189	211	214	199	165	107	30.1	6.18	2.76	0.99	0.19	1362	1335
30	0.10	0.60	1.98	5.80	33.9	118	186	218	231	232	223	198	150	69.7	9.54	3.22	1.11	0.20	1683	1661
20	0.10	0.64	2.15	7.21	51.0	148	201	227	238	239	230	210	171	98.5	16.1	3.57	1.20	0.21	1844	1823
10	0.10	0.66	2.21	6.86	60.0	158	206	230	241	242	234	214	179	111	21.3	3.77	1.25	0.21	1911	1891
0	0.10	0.66	2.19	5.96	55.8	156	205	230	241	242	233	213	176	107	20.4	3.75	1.25	0.21	1893	1873
-10	0.10	0.64	2.10	5.38	38.5	138	196	224	236	237	228	205	161	85.9	14.3	3.51	1.19	0.21	1778	1755
-20	0.10	0.58	1.91	4.58	17.0	93.1	170	207	222	224	212	182	125	52.8	8.32	3.14	1.10	0.20	1526	1501
-30	0.09	0.51	1.64	3.75	7.71	31.0	96.3	151	175	178	161	120	68.3	20.4	5.75	2.68	0.98	0.19	1025	990
-40	0.09	0.42	1.33	2.91	5.34	8.97	19.0	40.2	55.4	61.4	58.1	41.7	19.7	7.80	4.35	2.17	0.84	0.18	330	260
-50	0.09	0.35	0.98	2.10	3.68	5.65	7.73	9.59	10.8	12.5	12.8	10.0	7.33	5.09	3.16	1.67	0.70	0.16	94.4	0.00
-60	0.09	0.30	0.67	1.34	2.28	3.37	4.50	5.47	6.09	6.32	6.10	5.41	4.37	3.21	2.12	1.24	0.57	0.15	53.6	0.00
-70	0.09	0.27	0.50	0.81	1.22	1.69	2.16	2.55	2.79	2.92	2.91	2.70	2.34	1.87	1.37	0.88	0.47	0.14	27.7	0.00
-80	0.08	0.26	0.44	0.63	0.81	0.98	1.13	1.26	1.34	1.40	1.43	1.39	1.28	1.12	0.90	0.66	0.39	0.13	15.7	0.00
-90	0.08	0.26	0.44	0.63	0.81	0.98	1.13	1.26	1.34	1.40	1.43	1.39	1.28	1.12	0.90	0.66	0.39	0.13	15.7	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	1.66	8.06	24.0	59.9	311	973	1532	1896	2083	2110	1984	1692	1226	616	126	39.9	15.1	3.12	14701	---
Φ a	0.00	0.00	0.00	0.00	253	927	1487	1853	2037	2066	1942	1649	1181	565	56.4	0.00	0.00	0.00	---	14017

one-half-peak spread: U:40.2,D:49.8 , L:45.6,R:45.5

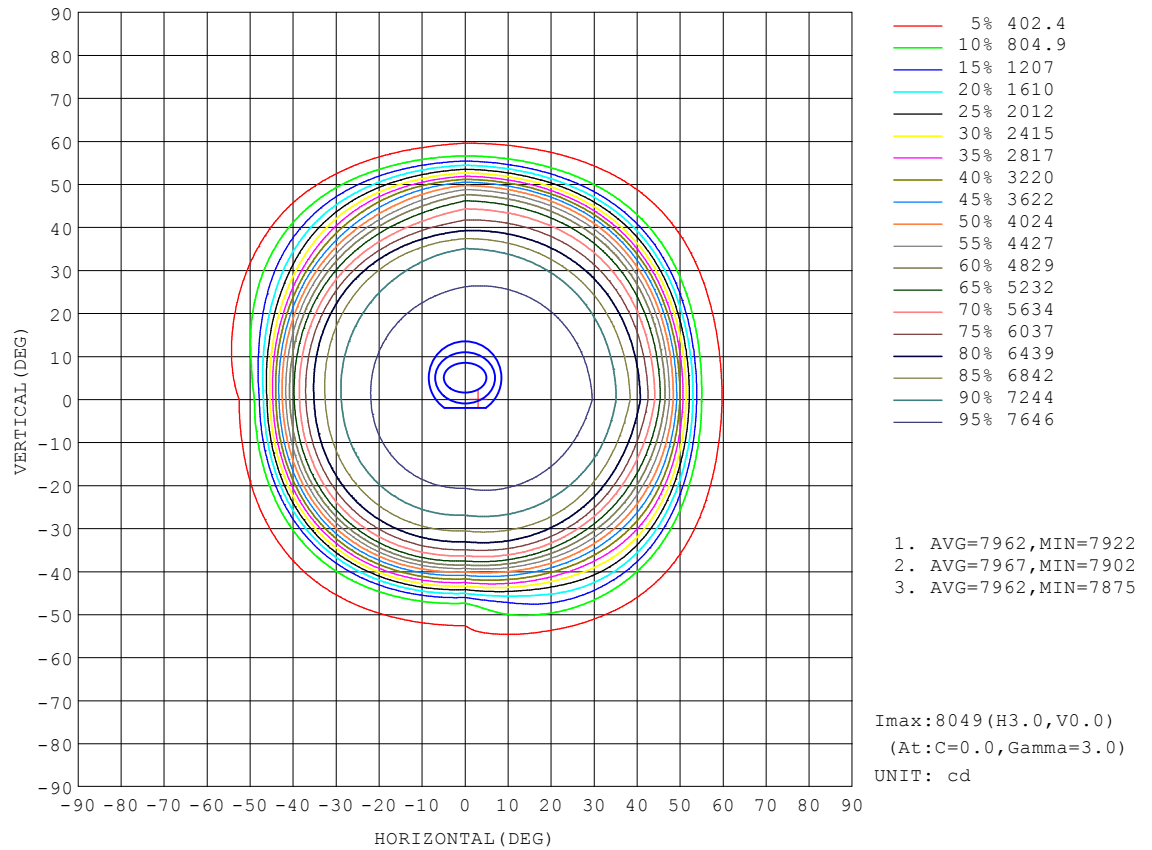
NEMA Beam Type: Type 6

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2024-12-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:218.61V I:0.4685A P:100.23W PF:0.9787 Freq:49.99Hz Lamp Flux:15036.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

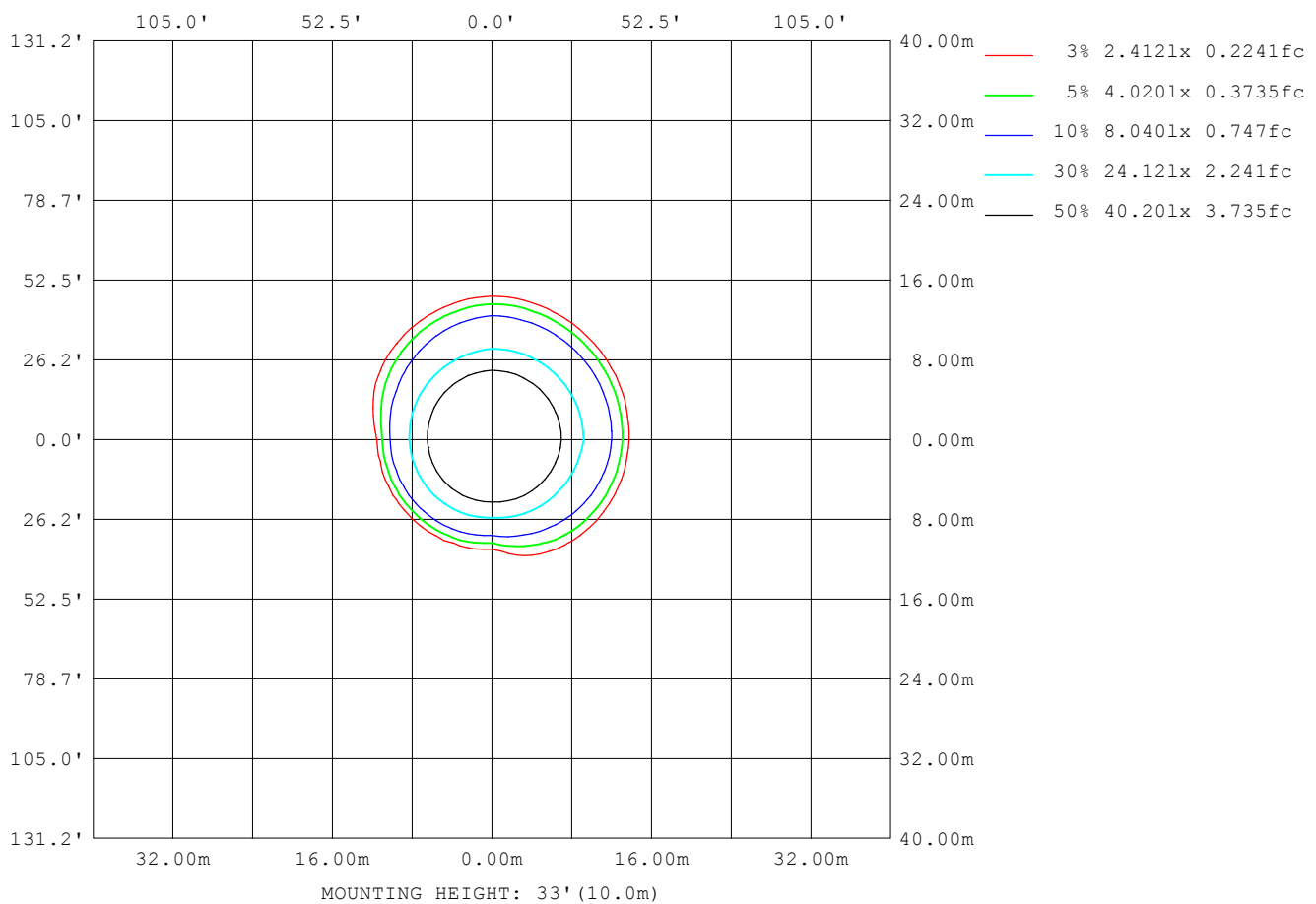


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2024-12-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

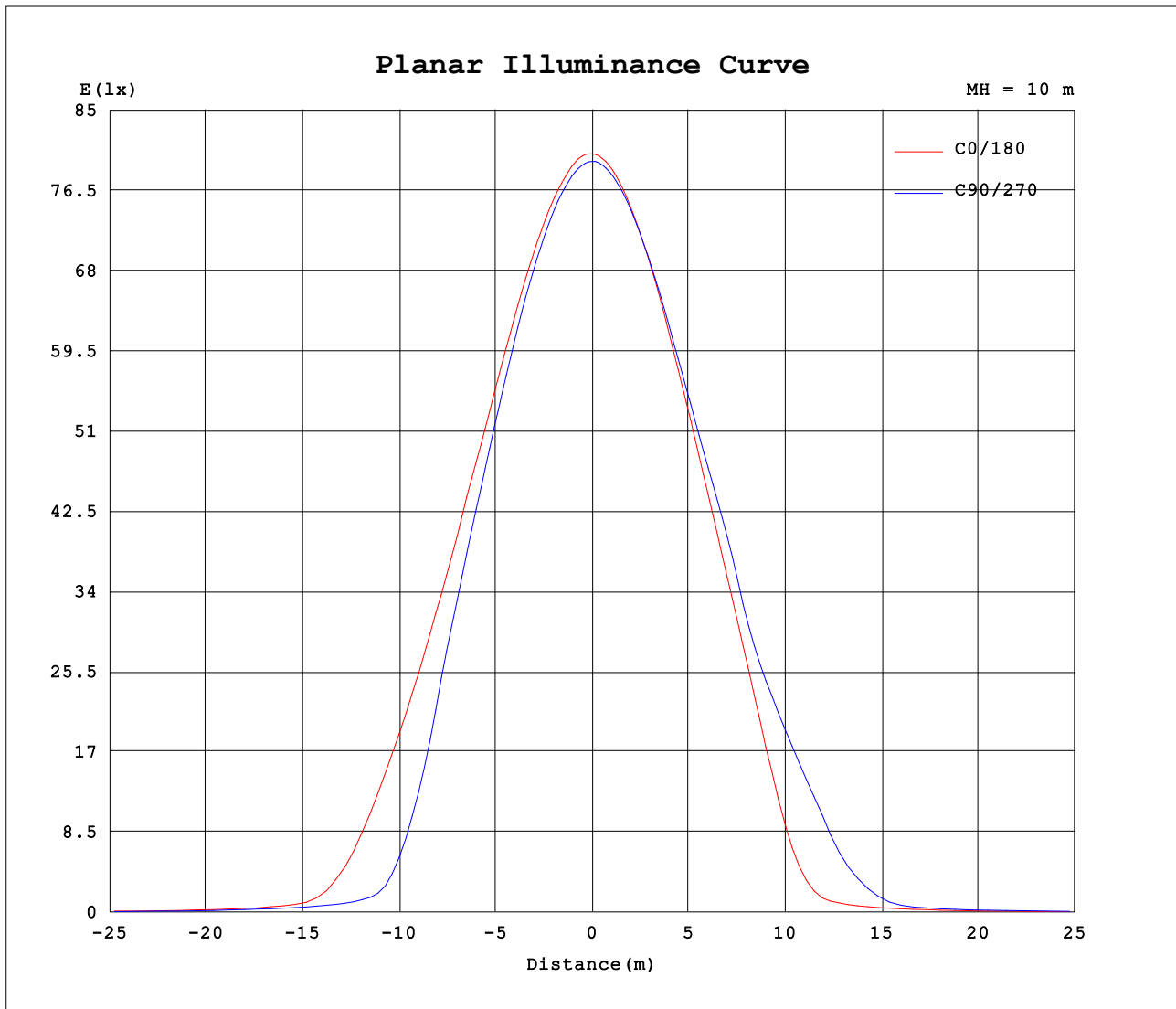
Test:U:218.61V I:0.4685A P:100.23W PF:0.9787 Freq:49.99Hz Lamp Flux:15036.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2024-12-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks:

Planar Illuminance Curve

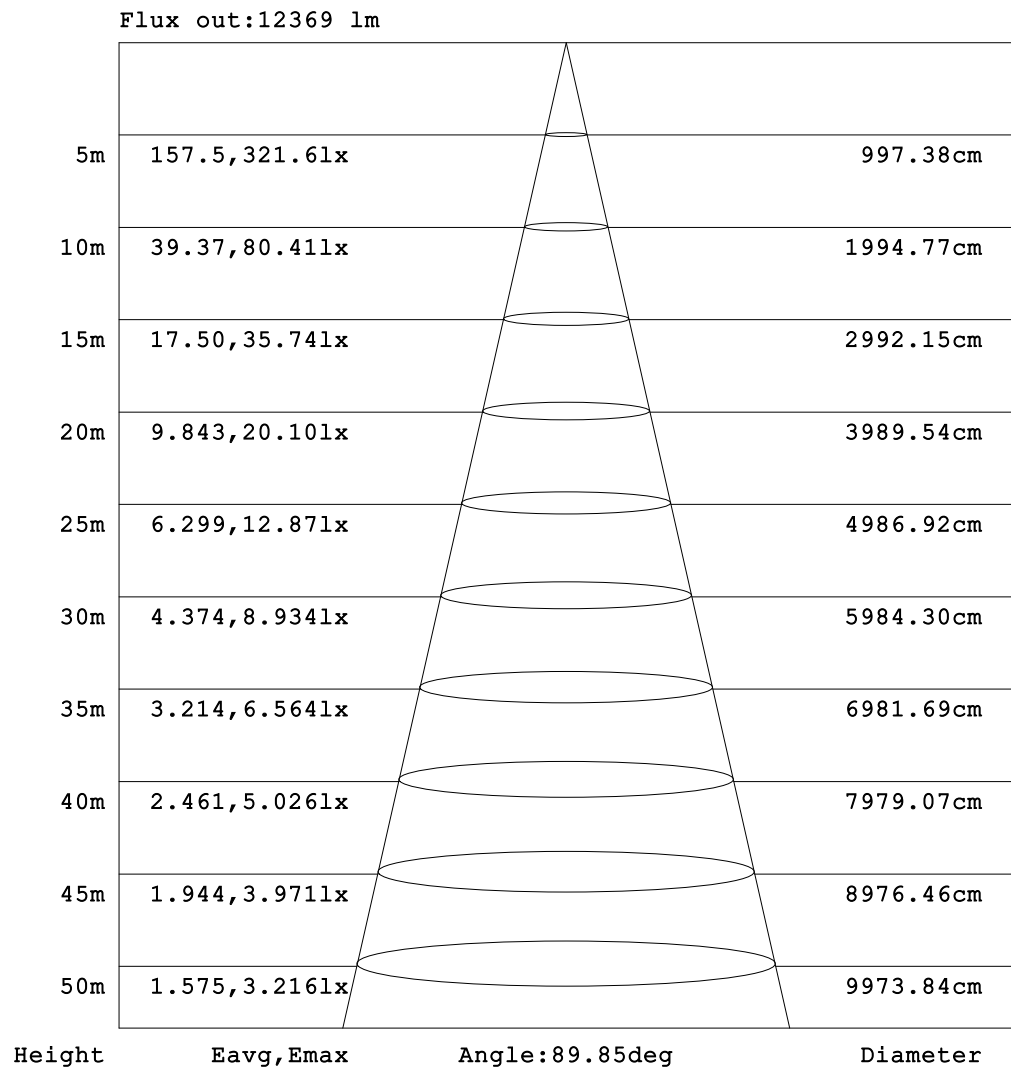


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jason
Test Date: 2024-12-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.250m [K=1.0000]
Remarks:

AAI Figure

Test:U:218.61V I:0.4685A P:100.23W PF:0.9787 Freq:49.99Hz Lamp Flux:15036.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	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: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Jason
 Test Date: 2024-12-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 9.250m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:218.61V I:0.4685A P:100.23W PF:0.9787 Freq:49.99Hz Lamp Flux:15036.9x1 lm									
NAME:					TYPE:				
SPEC.:					DIM.:				
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	31.0	28.8	32.4	36.5	40.8	45.1	49.4	55.4	62.8	69.8	75.3	80.3	86.0	92.8	101	108	112	113	112
-170	31.0	28.8	32.3	36.3	40.5	44.8	49.0	54.5	61.5	68.2	73.4	78.2	83.7	90.0	96.8	103	107	108	108
-160	31.0	28.7	32.0	35.7	39.6	43.7	47.7	52.3	58.2	64.5	69.6	73.7	78.1	83.0	88.3	92.5	95.8	97.6	97.8
-150	31.0	28.6	31.5	34.8	38.3	42.0	45.6	49.3	53.7	58.9	63.9	67.8	70.9	73.7	76.8	79.8	82.3	84.1	84.6
-140	31.0	28.4	30.9	33.7	36.6	39.7	42.8	45.9	49.0	52.5	56.3	60.0	63.2	65.5	67.0	68.1	68.7	68.9	68.6
-130	31.0	28.2	30.1	32.5	34.8	37.1	39.5	42.0	44.4	46.8	49.1	51.3	53.7	55.7	57.4	58.7	59.6	60.0	60.0
-120	31.0	28.2	29.4	31.1	32.8	34.5	36.1	37.7	39.4	41.0	42.6	44.1	45.5	46.6	47.7	48.5	49.1	49.5	49.6
-110	31.0	28.7	28.8	29.8	30.9	32.1	33.2	34.2	35.1	35.9	36.6	37.4	38.0	38.6	39.1	39.5	39.8	39.9	39.9
-100	31.0	30.0	29.1	29.1	29.6	30.3	30.8	31.4	31.9	32.5	33.0	33.4	33.8	34.2	34.5	34.7	35.0	35.2	35.4
-90	31.0	31.4	31.8	32.1	32.5	32.9	33.3	33.7	34.0	34.4	34.8	35.2	35.5	35.9	36.3	36.7	37.1	37.4	37.8
-80	31.0	32.2	33.1	33.8	34.8	35.9	36.9	38.4	40.1	42.0	44.3	46.6	49.0	51.2	53.4	55.3	56.8	58.1	59.0
-70	31.0	32.7	33.9	35.6	38.1	42.7	49.5	57.6	66.4	76.3	86.6	96.7	106	115	123	130	135	139	141
-60	31.0	32.9	35.0	38.8	47.9	61.0	78.2	97.6	116	136	156	177	198	217	234	249	261	269	274
-50	31.0	33.3	36.3	46.0	63.3	88.5	114	141	172	206	242	279	315	353	395	436	476	501	505
-40	31.0	33.8	38.4	55.0	82.7	113	147	188	235	288	353	462	797	1543	2499	3261	3766	4045	4081
-30	31.0	34.0	41.4	63.8	99.5	135	179	235	302	415	867	2351	4018	5299	6072	6519	6769	6893	6918
-20	31.0	34.2	44.0	72.2	110	152	206	276	392	938	2969	4963	6197	6850	7230	7454	7589	7658	7674
-10	31.0	34.2	45.7	77.9	117	162	224	307	503	2037	4579	6136	6924	7363	7614	7774	7853	7894	7897
0	31.0	34.2	46.1	79.6	119	165	228	317	580	2644	5138	6467	7133	7501	7725	7858	7946	8009	8040
10	31.0	34.2	45.9	78.5	118	165	230	367	778	2476	4911	6350	7064	7447	7662	7802	7870	7908	7911
20	31.0	34.2	44.5	73.4	113	157	215	322	730	1763	3844	5573	6639	7159	7445	7610	7708	7764	7788
30	31.0	34.1	41.9	65.4	103	141	190	257	453	1063	2206	3846	5239	6181	6849	7185	7358	7462	7522
40	31.0	33.8	38.9	56.6	86.3	119	157	204	266	409	928	1773	2888	3968	4886	5494	5888	6150	6299
50	31.0	33.2	36.7	47.4	66.5	94.3	122	154	190	233	288	378	666	1173	1759	2412	3037	3555	3898
60	31.0	32.8	35.2	39.8	50.2	65.2	84.9	108	129	153	178	205	233	261	289	318	346	367	381
70	31.0	32.5	33.9	36.0	39.3	45.0	53.2	63.2	74.4	86.5	99.9	113	125	137	148	158	166	173	178
80	31.0	32.0	32.7	33.5	34.7	36.2	37.8	39.9	42.3	45.1	48.3	51.6	55.3	58.7	61.8	64.6	67.1	69.1	70.7
90	31.0	31.1	31.1	31.2	31.3	31.3	31.4	31.5	31.5	31.6	31.7	31.7	31.8	31.8	31.9	32.0	32.0	32.1	32.2
100	31.0	29.7	28.4	27.9	28.0	28.1	27.9	28.1	28.3	28.5	28.7	28.8	28.9	28.9	28.9	28.9	28.7	28.6	28.4
110	31.0	28.3	28.0	28.4	29.2	30.1	31.0	31.8	32.7	33.4	34.1	34.7	35.2	35.6	35.9	36.0	36.0	35.8	35.6
120	31.0	27.8	28.5	29.9	31.5	33.1	34.7	36.2	37.7	39.0	40.0	40.9	41.7	42.4	42.8	43.1	43.2	43.1	42.8
130	31.0	27.9	29.4	31.5	33.8	36.1	38.4	40.5	42.4	44.2	45.9	47.6	49.1	50.4	51.4	51.9	52.1	51.9	51.3
140	31.0	28.2	30.3	33.0	35.9	38.9	41.7	44.3	46.9	49.8	52.9	55.9	58.7	61.2	63.3	64.8	65.6	65.7	65.1
150	31.0	28.4	31.1	34.4	37.8	41.3	44.6	47.8	51.8	56.4	61.0	65.4	69.1	71.9	74.2	75.9	76.9	77.2	76.6
160	31.0	28.6	31.7	35.4	39.3	43.2	46.9	51.2	56.7	62.7	68.2	72.7	76.6	80.3	83.9	87.2	89.5	90.1	88.9
170	31.0	28.7	32.2	36.1	40.3	44.5	48.6	53.9	60.7	67.4	72.9	77.6	82.5	87.9	94.3	99.9	103	105	104
180	31.0	28.8	32.4	36.5	40.8	45.1	49.4	55.4	62.8	69.8	75.3	80.3	86.0	92.8	101	108	112	113	111

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2024-12-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:218.61V I:0.4685A P:100.23W PF:0.9787 Freq:49.99Hz Lamp Flux:15036.9x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
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	108	104	98.4	92.1	85.4	78.7	70.4	63.9	58.7	53.6	48.6	44.1	40.0	36.4	33.9	34.7	39.0	48.3	
-170	106	102	96.7	90.8	84.5	77.3	69.4	63.4	58.5	53.5	48.5	44.0	39.9	36.4	33.9	34.8	39.0	48.3	
-160	96.2	93.3	89.3	84.6	78.3	71.4	65.6	61.1	56.6	51.8	47.3	43.1	39.2	35.9	33.9	35.1	39.2	48.3	
-150	83.3	80.6	77.0	72.7	68.4	64.6	61.1	57.4	53.2	49.1	45.1	41.4	38.0	35.2	33.8	35.6	39.5	48.3	
-140	67.9	66.7	65.2	63.3	61.2	58.5	55.5	52.1	48.8	45.4	42.1	39.1	36.4	34.4	34.2	36.4	40.0	48.3	
-130	59.3	58.3	56.9	55.2	53.3	51.1	48.7	46.3	43.7	41.2	38.8	36.5	34.8	34.1	35.0	37.4	40.6	48.3	
-120	49.1	48.4	47.5	46.3	45.0	43.5	41.9	40.3	38.6	37.0	35.6	34.6	34.3	34.9	36.5	38.6	41.9	48.3	
-110	39.7	39.3	38.8	38.2	37.5	36.8	36.1	35.4	34.9	34.6	34.6	34.9	35.7	36.8	38.3	40.1	43.7	48.3	
-100	35.3	35.3	35.2	35.2	35.2	35.3	35.4	35.6	36.0	36.4	37.0	37.7	38.5	39.5	41.0	43.2	45.6	48.3	
-90	38.4	39.0	39.6	40.1	40.7	41.3	41.9	42.5	43.0	43.6	44.2	44.8	45.4	45.9	46.5	47.1	47.7	48.3	
-80	61.4	63.5	65.1	66.1	66.6	66.7	66.2	65.4	64.3	63.0	61.5	59.6	58.3	56.6	54.4	52.0	50.0	48.3	
-70	144	146	146	143	139	134	127	120	113	105	97.8	89.8	80.1	71.6	64.5	58.9	52.7	48.3	
-60	280	281	277	270	259	245	228	209	190	169	148	128	111	95.4	78.2	65.6	56.0	48.3	
-50	684	804	831	760	591	441	378	326	285	248	212	178	146	119	96.0	73.6	59.3	48.3	
-40	4174	4048	3757	3300	2734	2202	1564	805	443	343	282	231	185	144	112	82.1	62.1	48.3	
-30	6950	6895	6739	6406	5852	4976	3967	2850	1508	531	362	283	223	170	126	90.9	64.4	48.3	
-20	7693	7669	7591	7442	7204	6747	5953	4808	3330	1454	478	330	254	191	138	98.3	66.3	48.3	
-10	7920	7916	7881	7802	7649	7400	6891	6018	4656	2576	662	371	276	206	147	103	67.5	48.3	
0	8044	8019	7993	7932	7828	7628	7260	6591	5363	3200	807	393	287	213	152	106	68.1	48.3	
10	7934	7934	7909	7850	7734	7539	7106	6351	5095	2852	723	377	279	208	148	104	67.5	48.3	
20	7799	7788	7746	7657	7513	7189	6564	5683	4156	1792	523	339	258	194	140	98.8	66.3	48.3	
30	7519	7484	7404	7183	6734	6197	5462	4190	2156	681	384	293	229	173	127	91.4	64.5	48.3	
40	6280	6170	5991	5686	5159	4293	2874	1380	564	374	298	241	191	148	114	82.7	62.1	48.3	
50	3739	3366	2808	2124	1410	791	477	372	312	266	225	187	152	122	97.5	74.0	59.3	48.3	
60	378	366	346	324	303	281	256	231	207	182	158	135	115	97.7	79.2	65.8	55.9	48.3	
70	179	177	174	168	161	153	144	133	123	113	103	93.4	82.4	72.7	65.0	58.8	52.5	48.3	
80	72.5	73.7	74.4	74.5	74.1	73.0	71.3	69.4	67.3	65.2	62.9	60.6	58.6	56.5	54.0	51.6	49.8	48.3	
90	33.1	34.0	34.9	35.7	36.6	37.5	38.4	39.3	40.2	41.1	42.0	42.9	43.8	44.7	45.6	46.5	47.4	48.3	
100	28.7	29.0	29.3	29.6	30.0	30.3	30.8	31.4	32.0	32.8	33.7	34.7	36.4	37.9	39.8	42.4	45.3	48.3	
110	35.6	35.5	35.2	34.9	34.5	34.0	33.4	32.9	32.4	32.2	32.3	32.7	33.7	35.1	36.9	39.3	43.3	48.3	
120	42.8	42.6	42.1	41.5	40.7	39.8	38.7	37.7	36.5	35.3	34.0	33.1	32.8	33.5	35.3	37.7	41.5	48.3	
130	51.2	50.9	50.2	49.2	48.0	46.6	44.9	43.1	41.1	39.1	37.3	35.4	33.8	33.1	34.1	36.7	40.3	48.3	
140	64.7	63.6	61.9	59.6	56.8	54.1	51.4	48.7	46.0	43.3	40.5	37.9	35.6	33.7	33.5	35.9	39.7	48.3	
150	76.4	75.2	73.1	70.2	66.6	62.8	58.6	54.5	50.7	47.1	43.7	40.3	37.3	34.7	33.4	35.2	39.3	48.3	
160	88.6	86.9	84.0	80.2	75.5	69.9	64.6	59.7	54.9	50.3	46.2	42.3	38.7	35.6	33.6	34.8	39.0	48.3	
170	103	98.7	93.6	88.2	82.4	76.0	68.8	62.9	57.7	52.7	47.9	43.6	39.6	36.2	33.8	34.7	38.9	48.3	
180	108	104	98.4	92.1	85.4	78.7	70.4	63.9	58.7	53.6	48.6	44.1	40.0	36.4	33.9	34.7	39.0	48.3	

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2024-12-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks: