

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	341.0 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	150.1V x 153.1H
	At 50% of Imax	121.0V x 121.7H
	At 90% of Imax	50.2V x 52.2H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	988.3 lumens per klm.
	To 50% of Imax	827.6 lumens per klm.
	To 90% of Imax	206.5 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

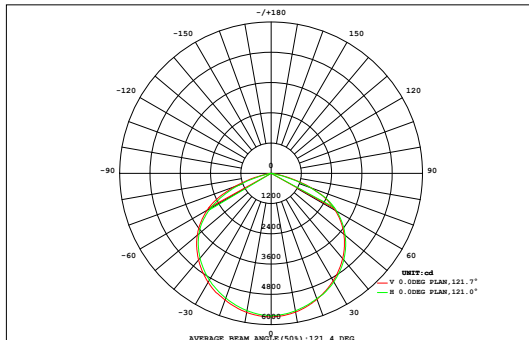
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-14

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:16.500m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.6V I:0.4380A P:98.50W PF:0.9790 Lamp Flux:16689.4x1 lm		
NAME: FL 100 STD CR 30 40 8 120	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:169.44lm/W	
MODEL	FL 100 STD CR 30 40 8 120	Imax(cd)	5690
NOMINAL POWER(W)	98.5	AVAILABILITY(%)	98.8
RATED VOLTAGE(V)	230	Avai. FLUX(lm)	16490
NOMINAL FLUX(lm)	16689.4	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	16689
TEST VOLTAGE(V)	229.5	θ @50% (H,V)	122,121DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.04	0.15	0.29	0.48	0.73	0.99	1.21	1.33	1.41	1.53	1.59	1.41	1.05	0.67	0.42	0.25	0.12	0.04	13.7	0.00
90	0.04	0.15	0.29	0.48	0.73	0.99	1.21	1.33	1.41	1.53	1.59	1.41	1.05	0.67	0.42	0.25	0.12	0.04	13.7	0.00
80	0.05	0.23	0.78	2.20	5.20	9.99	15.3	19.3	22.2	23.1	21.6	17.2	11.4	5.98	2.66	0.91	0.24	0.04	158	107
70	0.06	0.49	2.78	10.3	24.4	41.3	56.3	66.1	71.8	72.1	66.9	57.3	42.6	26.1	12.0	3.61	0.61	0.06	555	540
60	0.08	1.11	7.88	25.3	47.8	68.6	85.7	96.9	103	103	96.3	84.8	67.6	47.7	26.6	9.24	1.45	0.09	874	866
50	0.10	2.20	14.7	38.6	63.5	85.8	105	118	125	125	117	104	84.5	62.5	38.9	16.0	2.79	0.12	1105	1100
40	0.14	3.60	20.9	47.6	74.4	98.9	120	135	143	142	134	118	97.1	73.0	47.1	22.0	4.37	0.16	1280	1277
30	0.17	4.96	25.5	53.5	81.8	109	131	147	155	154	146	128	106	80.0	52.5	26.3	5.87	0.21	1407	1404
	0.20	6.01	28.5	57.3	86.4	114	138	155	164	163	153	136	112	84.5	56.3	29.2	7.01	0.25	1490	1488
	0.22	6.57	29.8	59.3	89.2	117	142	160	170	168	158	139	115	87.5	58.6	30.6	7.64	0.27	1539	1537
	0.22	6.57	29.8	59.2	89.0	117	141	159	169	169	159	141	116	88.1	58.8	30.7	7.66	0.27	1542	1540
	0.20	6.01	28.2	57.0	85.9	113	136	154	163	163	154	136	113	85.8	57.1	29.4	7.07	0.25	1490	1488
-30	0.17	4.98	25.1	52.8	80.5	106	129	145	154	154	145	129	106	80.6	53.4	26.8	5.96	0.21	1400	1398
-40	0.14	3.66	20.5	46.3	72.4	97.2	118	133	141	141	133	118	97.4	72.8	47.5	22.5	4.46	0.17	1269	1266
-50	0.10	2.28	14.5	36.8	61.4	84.1	103	117	123	123	117	103	84.6	62.3	39.1	16.5	2.84	0.12	1090	1086
-60	0.07	1.17	7.96	24.1	45.5	65.7	81.9	94.1	99.8	99.7	93.8	81.6	65.9	47.0	27.0	9.41	1.46	0.09	846	839
-70	0.05	0.50	2.97	10.3	23.0	37.7	50.5	59.4	63.4	63.0	58.5	49.7	38.2	24.8	11.7	3.50	0.63	0.06	498	483
-80	0.04	0.21	0.76	2.13	4.66	8.40	12.6	15.9	17.1	16.6	14.7	12.2	8.78	5.14	2.33	0.85	0.25	0.04	123	69.4
-90	0.04	0.12	0.22	0.34	0.47	0.63	0.77	0.88	0.89	0.85	0.79	0.72	0.62	0.49	0.34	0.22	0.12	0.04	8.52	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	2.09	50.8	261	584	936	1276	1567	1777	1886	1884	1770	1558	1269	935	592	278	60.5	2.49	16689	---
Φ a	0.00	33.6	248	571	924	1265	1556	1765	1875	1873	1760	1547	1258	924	581	266	43.9	0.00	---	16490

one-half-peak spread: U:59.6,D:61.9 , L:61.2,R:61.1

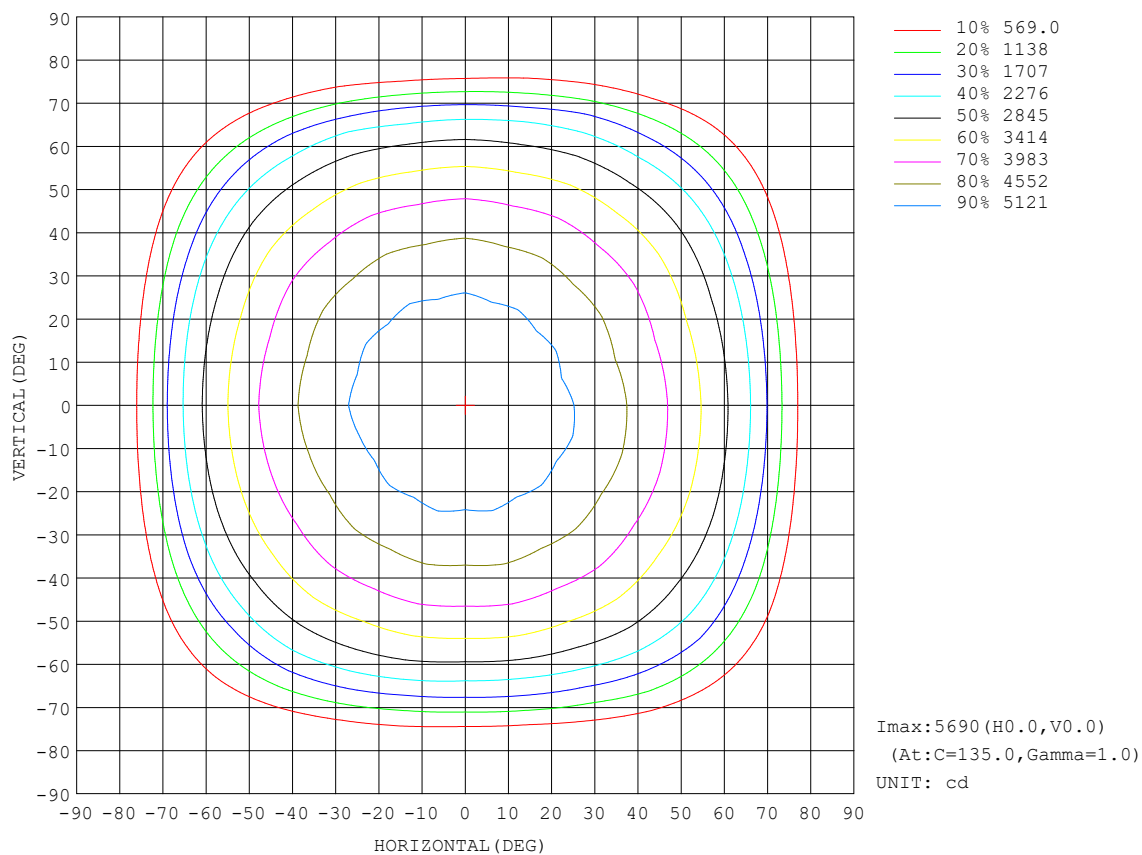
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-14

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:16.500m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:229.6V I:0.4380A P:98.50W PF:0.9790 Lamp Flux:16689.4x1 lm		
NAME: FL 100 STD CR 30 40 8 120	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

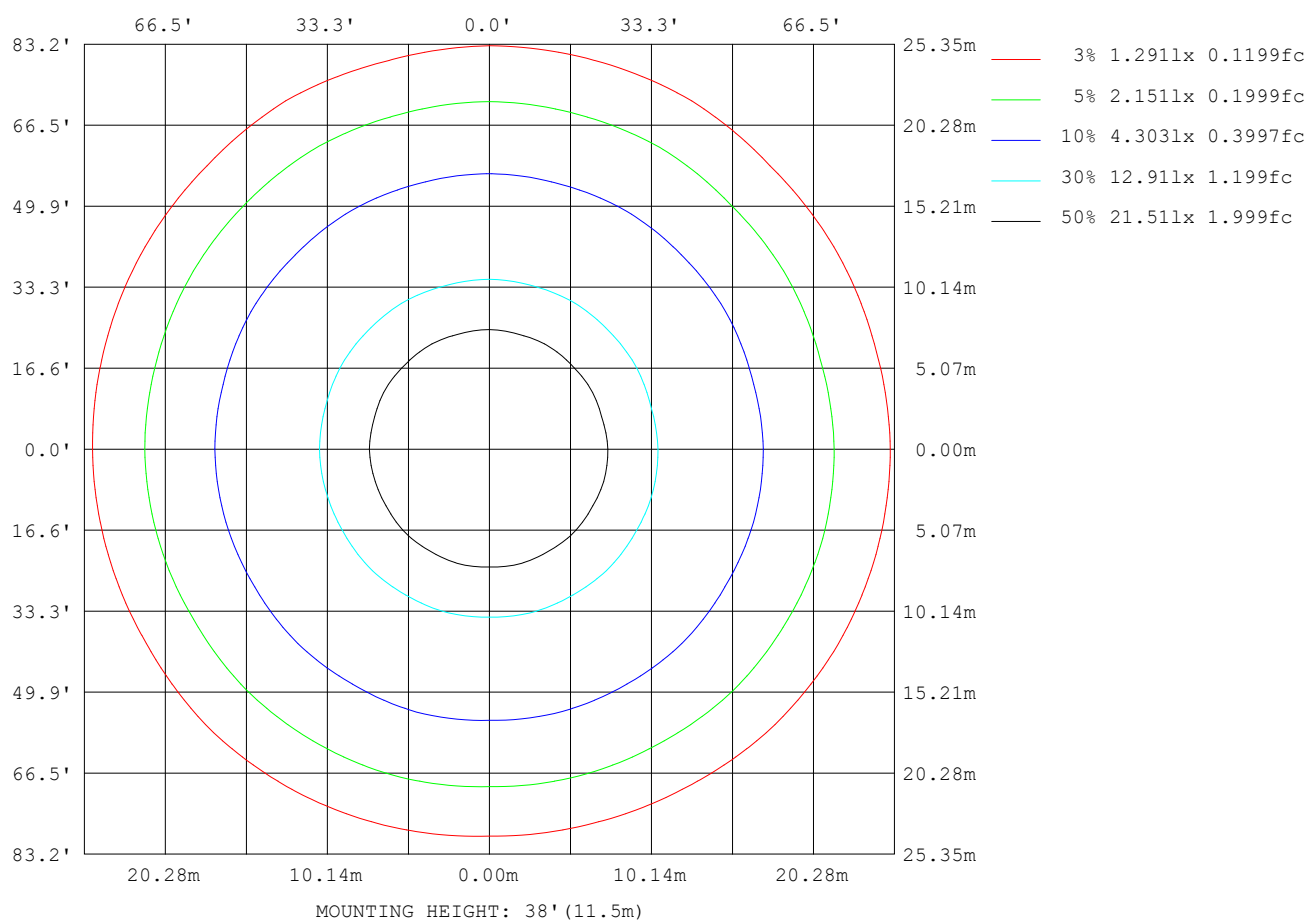


H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-14

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:16.500m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:229.6V I:0.4380A P:98.50W PF:0.9790 Lamp Flux:16689.4x1 lm		
NAME: FL 100 STD CR 30 40 8 120	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

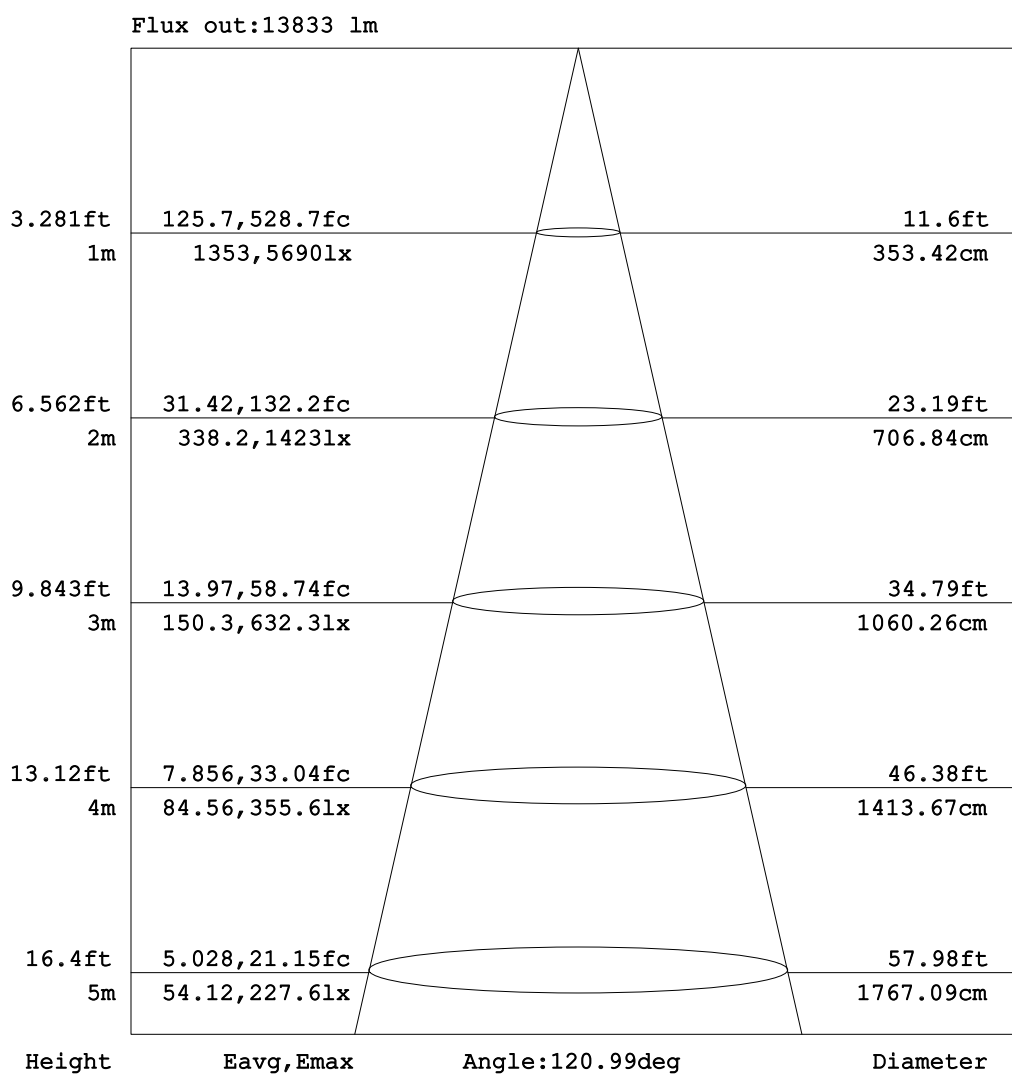


H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-14

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:16.500m [K=1.0000]
Remarks:

AAI Figure

Test:U:229.6V I:0.4380A P:98.50W PF:0.9790 Lamp Flux:16689.4x1 lm		
NAME: FL 100 STD CR 30 40 8 120	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

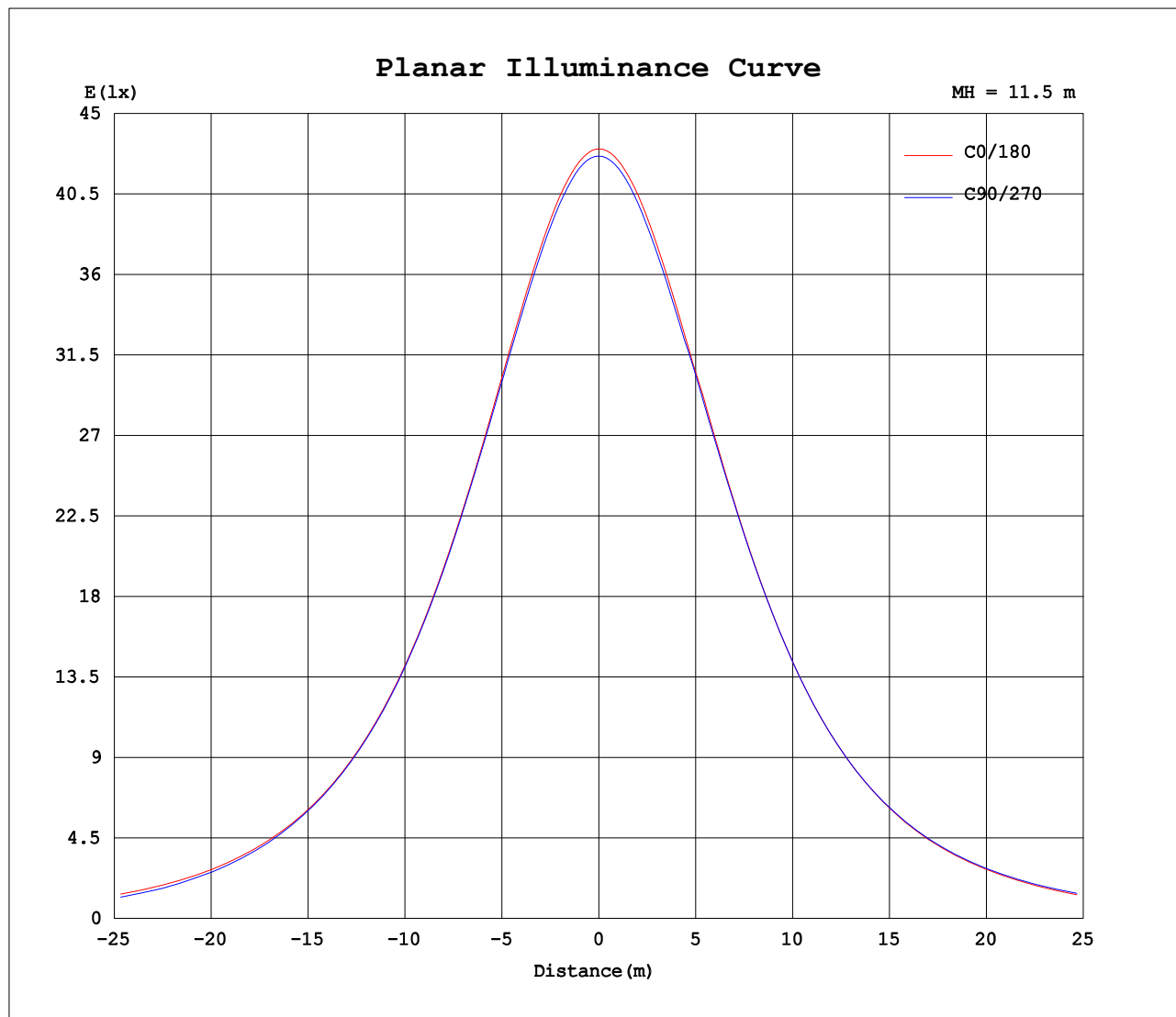


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-14

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:16.500m [K=1.0000]
Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-14

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:16.500m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.6V I:0.4380A P:98.50W PF:0.9790 Lamp Flux:16689.4x1 lm																	
NAME: FL 100 STD CR 30 40 8 120									TYPE:						WEIGHT:		
DIM.:									SPEC.:						SERIAL No.:		
MFR.:									SUR.:						PROTECTION 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
-90	13.0	12.8	12.5	12.2	12.0	11.7	11.5	11.3	11.1	10.9	11.0	11.0	11.1	11.0	10.9	10.8	10.6	10.5	10.4
-85	13.0	13.7	14.3	15.0	15.3	15.7	16.3	16.8	17.5	18.0	18.7	19.2	19.8	20.5	21.0	21.3	21.4	21.3	21.1
-80	13.0	14.5	16.1	18.3	21.2	25.3	31.3	39.0	45.4	50.9	59.5	66.9	73.4	80.0	87.9	92.9	90.5	84.4	75.7
-75	13.0	15.5	18.6	24.4	34.0	52.0	76.6	103	135	178	226	283	333	384	427	471	487	482	461
-70	13.0	16.4	22.4	34.8	61.0	104	169	268	378	522	666	828	979	1094	1181	1256	1307	1317	1295
-65	13.0	17.4	27.7	52.8	107	203	357	562	798	1062	1292	1521	1710	1857	1964	2044	2094	2113	2100
-60	13.0	18.7	34.6	80.8	178	361	636	942	1292	1625	1937	2164	2356	2495	2613	2710	2767	2786	2773
-55	13.0	20.0	44.9	119	285	576	950	1374	1758	2140	2429	2650	2840	2988	3118	3229	3294	3317	3314
-50	13.0	21.7	57.6	167	424	828	1314	1749	2190	2535	2818	3053	3237	3381	3518	3632	3707	3735	3734
-45	13.0	23.6	71.7	227	576	1079	1627	2122	2526	2860	3147	3391	3576	3727	3860	3977	4059	4086	4083
-40	13.0	25.3	89.1	296	757	1356	1907	2419	2805	3133	3426	3671	3870	4029	4156	4276	4367	4393	4387
-35	13.0	27.3	106	371	911	1585	2169	2664	3042	3366	3657	3906	4125	4290	4418	4533	4627	4662	4656
-30	13.0	29.5	125	454	1057	1767	2382	2866	3246	3573	3849	4104	4330	4517	4648	4752	4854	4902	4893
-25	13.0	31.5	141	527	1198	1921	2557	3030	3416	3745	4021	4266	4498	4697	4847	4946	5043	5105	5091
-20	13.0	33.2	159	590	1335	2059	2696	3161	3555	3885	4165	4414	4630	4835	5012	5123	5199	5254	5263
-15	13.0	34.5	172	652	1433	2177	2800	3265	3665	3996	4282	4538	4757	4942	5120	5246	5331	5390	5411
-10	13.0	35.5	182	697	1499	2255	2874	3340	3746	4081	4375	4633	4859	5053	5207	5333	5437	5501	5527
-5	13.0	36.1	188	725	1538	2304	2921	3389	3799	4140	4442	4707	4941	5140	5269	5395	5501	5571	5610
0	13.0	36.4	190	734	1552	2324	2941	3411	3826	4173	4480	4751	4993	5203	5345	5488	5599	5667	5690
5	13.0	36.2	188	723	1539	2312	2925	3393	3803	4147	4452	4720	4953	5153	5313	5452	5556	5611	5611
10	13.0	35.6	181	694	1501	2273	2883	3349	3753	4094	4394	4657	4892	5100	5258	5385	5475	5530	5534
15	13.0	34.7	170	649	1436	2207	2816	3279	3676	4013	4317	4591	4831	5037	5182	5279	5370	5413	5424
20	13.0	33.4	156	587	1342	2103	2719	3182	3576	3923	4226	4498	4731	4907	5040	5169	5242	5274	5289
25	13.0	31.8	138	521	1216	1969	2594	3061	3460	3803	4104	4366	4575	4744	4895	5029	5091	5121	5159
30	13.0	29.9	121	442	1074	1794	2435	2916	3312	3652	3946	4185	4389	4562	4720	4841	4895	4937	4970
35	13.0	27.7	103	362	905	1594	2243	2731	3126	3468	3740	3975	4171	4355	4507	4606	4661	4712	4742
40	13.0	25.8	86.7	290	738	1373	1995	2504	2910	3235	3502	3728	3931	4108	4253	4339	4391	4450	4480
45	13.0	24.2	70.8	221	570	1108	1688	2221	2631	2968	3229	3447	3650	3825	3954	4035	4091	4146	4173
50	13.0	22.4	58.0	157	402	823	1353	1869	2297	2636	2918	3140	3332	3498	3615	3697	3758	3807	3830
55	13.0	20.8	46.2	110	274	568	981	1445	1887	2241	2524	2776	2969	3125	3231	3310	3372	3420	3442
60	13.0	19.6	35.9	77.1	166	339	628	983	1358	1753	2055	2315	2525	2687	2793	2869	2932	2978	2999
65	13.0	18.4	29.0	53.9	100	189	330	557	835	1111	1397	1687	1887	2085	2201	2286	2381	2442	2465
70	13.0	17.4	24.0	37.0	61.4	100	158	254	376	547	726	937	1104	1261	1385	1472	1570	1632	1656
75	13.0	16.6	20.6	26.6	37.5	54.8	78.0	109	150	209	271	338	411	479	531	581	637	673	688
80	13.0	15.8	18.4	21.3	25.3	30.7	37.6	47.3	58.6	71.8	83.5	95.4	109	114	117	115	121	126	128
85	13.0	15.0	16.8	18.5	20.0	21.6	23.5	24.9	26.6	28.5	29.9	31.3	32.8	33.9	34.9	35.6	36.0	36.3	36.2
90	13.0	14.2	15.3	16.5	17.2	18.0	18.8	19.0	19.3	19.6	19.4	19.2	19.0	19.0	19.0	19.0	18.2	17.3	16.4

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-14

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:16.500m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.6V I:0.4380A P:98.50W PF:0.9790 Lamp Flux:16689.4x1 lm																		
NAME: FL 100 STD CR 30 40 8 120									TYPE:					WEIGHT:				
DIM.:									SPEC.:					SERIAL No.:				
MFR.:									SUR.:					PROTECTION 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	
-90	10.3	10.2	10.2	10.1	10.1	10.0	10.0	10.0	10.1	10.2	10.4	10.6	10.9	11.2	11.6	12.1	12.5	13.0	
-85	21.0	20.8	20.5	20.2	19.8	19.2	19.0	18.7	18.2	17.7	17.0	16.4	15.7	15.1	14.5	13.9	13.4	13.0	
-80	74.7	72.4	69.4	73.7	72.5	69.6	67.0	62.4	54.7	47.5	40.0	32.4	27.7	23.1	18.9	16.0	14.3	13.0	
-75	462	443	403	378	360	333	294	245	196	151	110	80.8	58.6	41.1	28.6	19.6	15.4	13.0	
-70	1296	1274	1231	1176	1083	988	862	735	586	425	295	197	120	74.5	44.3	25.3	16.5	13.0	
-65	2095	2060	2001	1923	1814	1688	1552	1368	1165	897	640	410	242	130	68.1	33.3	17.8	13.0	
-60	2774	2745	2683	2582	2462	2318	2154	1961	1716	1438	1088	739	432	220	102	43.1	19.9	13.0	
-55	3314	3282	3213	3109	2971	2835	2657	2456	2201	1908	1572	1110	690	354	148	56.4	21.9	13.0	
-50	3735	3708	3636	3527	3392	3252	3074	2855	2583	2292	1943	1484	971	527	210	72.2	24.5	13.0	
-45	4085	4057	3976	3864	3737	3592	3411	3175	2903	2596	2255	1802	1258	711	288	89.4	27.3	13.0	
-40	4392	4366	4272	4151	4030	3880	3687	3443	3164	2853	2502	2082	1505	889	376	111	29.9	13.0	
-35	4662	4626	4530	4415	4289	4130	3917	3671	3384	3078	2720	2295	1717	1073	470	132	32.6	13.0	
-30	4900	4853	4751	4646	4513	4332	4112	3857	3584	3270	2905	2474	1927	1242	564	156	35.6	13.0	
-25	5102	5041	4946	4847	4698	4499	4272	4030	3750	3430	3061	2623	2088	1382	654	178	38.1	13.0	
-20	5260	5198	5122	5010	4836	4631	4420	4175	3886	3561	3183	2735	2208	1490	730	203	40.2	13.0	
-15	5396	5340	5254	5124	4946	4761	4542	4293	3996	3655	3272	2821	2293	1575	789	222	41.8	13.0	
-10	5513	5455	5354	5222	5063	4868	4632	4368	4062	3719	3335	2882	2353	1636	831	236	43.0	13.0	
-5	5600	5536	5431	5288	5129	4914	4673	4404	4099	3755	3372	2918	2389	1674	858	245	43.8	13.0	
0	5660	5584	5465	5313	5129	4918	4681	4410	4108	3765	3383	2930	2401	1688	867	249	44.0	13.0	
5	5558	5479	5358	5216	5053	4857	4630	4369	4072	3735	3356	2907	2383	1670	855	246	43.7	13.0	
10	5494	5414	5306	5184	4994	4781	4551	4299	4009	3679	3304	2859	2343	1628	827	237	42.9	13.0	
15	5386	5319	5212	5095	4936	4725	4488	4219	3920	3598	3227	2788	2281	1563	783	223	41.6	13.0	
20	5253	5218	5103	4958	4813	4633	4402	4136	3833	3497	3123	2691	2192	1476	722	203	39.9	13.0	
25	5101	5049	4967	4821	4658	4486	4280	4019	3721	3387	3003	2572	2047	1365	643	178	37.8	13.0	
30	4919	4860	4790	4655	4487	4312	4107	3866	3578	3248	2865	2432	1861	1210	550	155	35.2	13.0	
35	4698	4634	4563	4452	4292	4102	3903	3671	3400	3072	2692	2274	1673	1035	465	131	32.3	13.0	
40	4439	4371	4305	4208	4055	3871	3666	3440	3177	2859	2488	2042	1470	862	372	109	29.7	13.0	
45	4136	4073	4007	3917	3781	3602	3393	3174	2913	2604	2244	1757	1222	691	287	87.3	27.2	13.0	
50	3797	3738	3670	3584	3463	3291	3089	2864	2597	2300	1926	1439	940	508	212	70.0	24.5	13.0	
55	3413	3357	3290	3207	3096	2931	2719	2483	2237	1928	1507	1094	681	351	145	54.3	22.0	13.0	
60	2973	2922	2855	2773	2664	2503	2297	2046	1779	1443	1092	733	438	227	98.1	41.3	20.0	13.0	
65	2444	2400	2337	2250	2124	1959	1744	1490	1214	931	654	427	253	131	64.3	32.2	17.9	13.0	
70	1641	1603	1556	1473	1330	1191	1024	831	621	465	322	212	128	73.5	41.2	25.1	16.6	13.0	
75	704	702	680	626	565	488	392	308	231	177	131	91.2	61.5	40.5	27.4	19.8	15.6	13.0	
80	145	159	167	158	144	131	110	91.0	72.9	60.7	48.7	37.8	30.0	23.9	19.2	16.3	14.6	13.0	
85	37.0	37.5	37.6	37.4	36.5	35.1	31.3	27.9	24.8	22.7	20.7	19.2	17.6	16.2	15.1	14.4	13.8	13.0	
90	17.4	18.3	19.2	18.8	18.4	18.0	16.4	14.8	13.1	13.5	13.8	14.1	13.7	13.2	12.8	12.9	12.9	13.0	

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-14

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:16.500m [K=1.0000]
Remarks: