

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	391.0 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	143.3V x 144.2H
	At 50% of Imax	108.9V x 109.9H
	At 90% of Imax	48.9V x 51.9H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	985.3 lumens per klm.
	To 50% of Imax	790.8 lumens per klm.
	To 90% of Imax	233.2 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

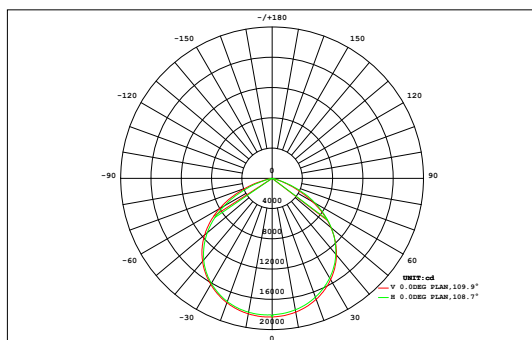
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-14

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:229.5V I:1.291A P:291.1W PF:0.9830 Lamp Flux:46894.8x1 lm		
NAME: FL 300 STD CR 30 40 8 120	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:161.10lm/W	
MODEL	FL 300 STD CR 30 40 8 120	Imax(cd)	18336
NOMINAL POWER(W)	291.1	AVAILABILITY(%)	98.5
RATED VOLTAGE (V)	230	Avai. FLUX(lm)	46194
NOMINAL FLUX(lm)	46894.8	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	46895
TEST VOLTAGE (V)	229.5	θ @50% (H,V)	110,109DEG

		AREA FLUX DIAGRAM																UNIT: lm		Φ t	Φ a
		0.09	0.33	0.66	1.08	1.50	1.93	2.23	2.32	2.27	2.14	1.93	1.63	1.26	0.91	0.64	0.41	0.23	0.07	21.6	0.00
VERTICAL (DEG)	90	0.12	0.66	1.90	3.99	7.37	12.9	19.5	24.2	25.8	23.4	17.8	11.9	6.97	3.95	2.07	0.89	0.31	0.08	164	18.8
	80	0.16	1.25	4.84	18.3	45.6	79.3	109	128	137	131	112	84.8	51.4	22.1	6.81	2.15	0.55	0.09	935	852
	70	0.22	2.14	15.0	54.3	107	161	208	241	256	250	224	183	129	74.3	27.8	5.05	0.95	0.11	1939	1905
	60	0.28	3.88	31.6	89.9	161	233	294	336	355	349	319	269	201	127	58.9	13.4	1.48	0.13	2845	2823
	50	0.34	6.83	47.5	121	208	291	360	408	431	425	393	336	260	174	88.2	25.0	2.26	0.16	3576	3560
	40	0.40	10.1	61.0	146	242	333	408	461	485	480	445	384	303	208	112	36.3	3.49	0.19	4120	4108
	30	0.44	12.8	70.8	163	266	362	442	497	523	516	480	417	331	232	131	45.4	4.80	0.21	4494	4483
	20	0.47	14.3	76.3	172	279	378	461	519	545	535	501	438	351	249	142	50.8	5.67	0.22	4718	4708
	10	0.47	14.5	77.0	173	279	378	460	516	544	547	513	448	358	253	144	51.6	5.79	0.22	4765	4754
	0	0.45	13.2	73.0	166	268	365	446	505	535	533	500	435	347	243	137	47.8	5.10	0.21	4621	4610
	-10	0.41	10.8	64.5	151	249	342	422	478	506	504	470	407	321	221	121	39.8	3.88	0.19	4312	4300
-20	0.35	7.52	51.7	128	218	305	379	432	458	454	421	361	280	187	96.7	28.6	2.57	0.17	3811	3796	
-30	0.29	4.41	35.2	97.2	174	251	316	363	385	380	349	293	221	140	65.8	16.1	1.63	0.14	3094	3074	
-40	0.23	2.41	17.5	60.1	118	178	230	267	284	279	251	204	146	84.9	32.7	6.09	1.06	0.11	2161	2129	
-50	0.17	1.40	5.72	22.4	55.4	92.4	125	148	156	150	130	98.1	61.8	28.2	8.20	2.36	0.61	0.09	1086	1016	
-60	0.13	0.75	2.18	4.71	9.34	16.8	25.2	31.8	33.5	30.5	23.9	15.1	8.24	4.34	2.20	0.94	0.32	0.08	210	57.8	
-70	0.10	0.37	0.75	1.21	1.66	2.07	2.37	2.51	2.37	2.14	1.89	1.55	1.18	0.84	0.57	0.37	0.21	0.07	22.2	0.00	
-80																					
-90																					
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90
Φ t	5.13	108	637	1574	2690	3783	4709	5361	5664	5593	5154	4387	3380	2255	1179	373	40.9	2.52	46895	---	
Φ a	0.00	52.8	592	1533	2651	3744	4671	5321	5621	5553	5113	4346	3339	2212	1133	313	0.00	0.00	---	46194	

one-half-peak spread: U:50.4,D:53.4 , L:54.4,R:56.0

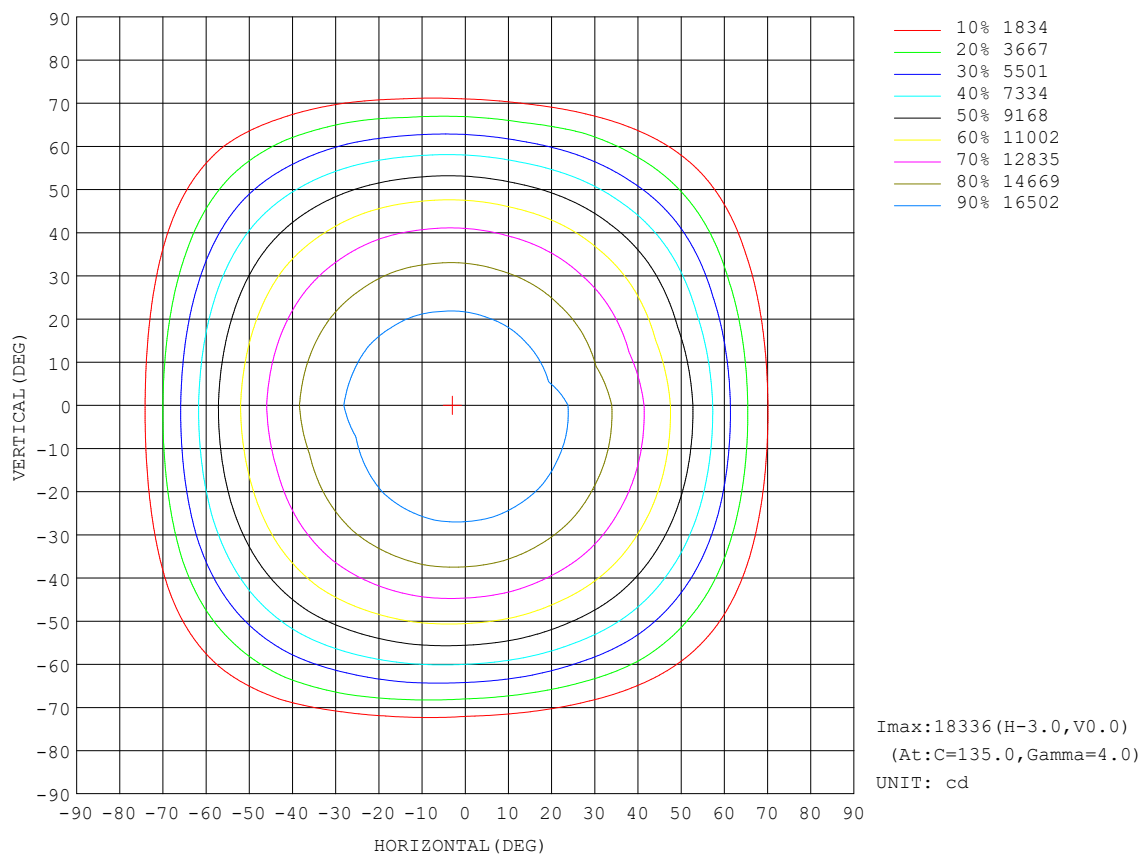
NEMA Beam Type: Type 7

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:229.5V I:1.291A P:291.1W PF:0.9830 Lamp Flux:46894.8x1 lm		
NAME: FL 300 STD CR 30 40 8 120	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

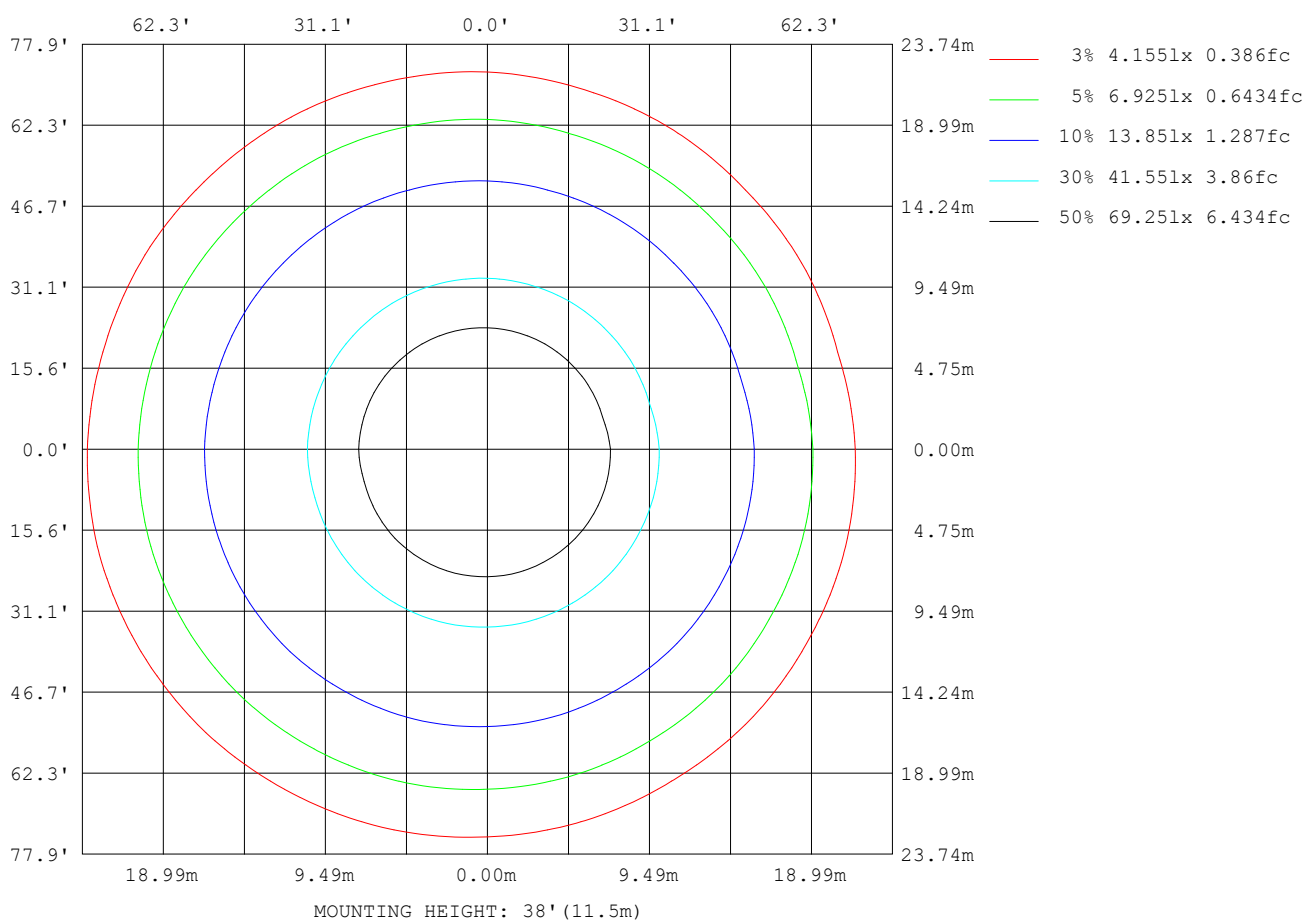


H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-14

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:229.5V I:1.291A P:291.1W PF:0.9830 Lamp Flux:46894.8x1 lm		
NAME: FL 300 STD CR 30 40 8 120	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

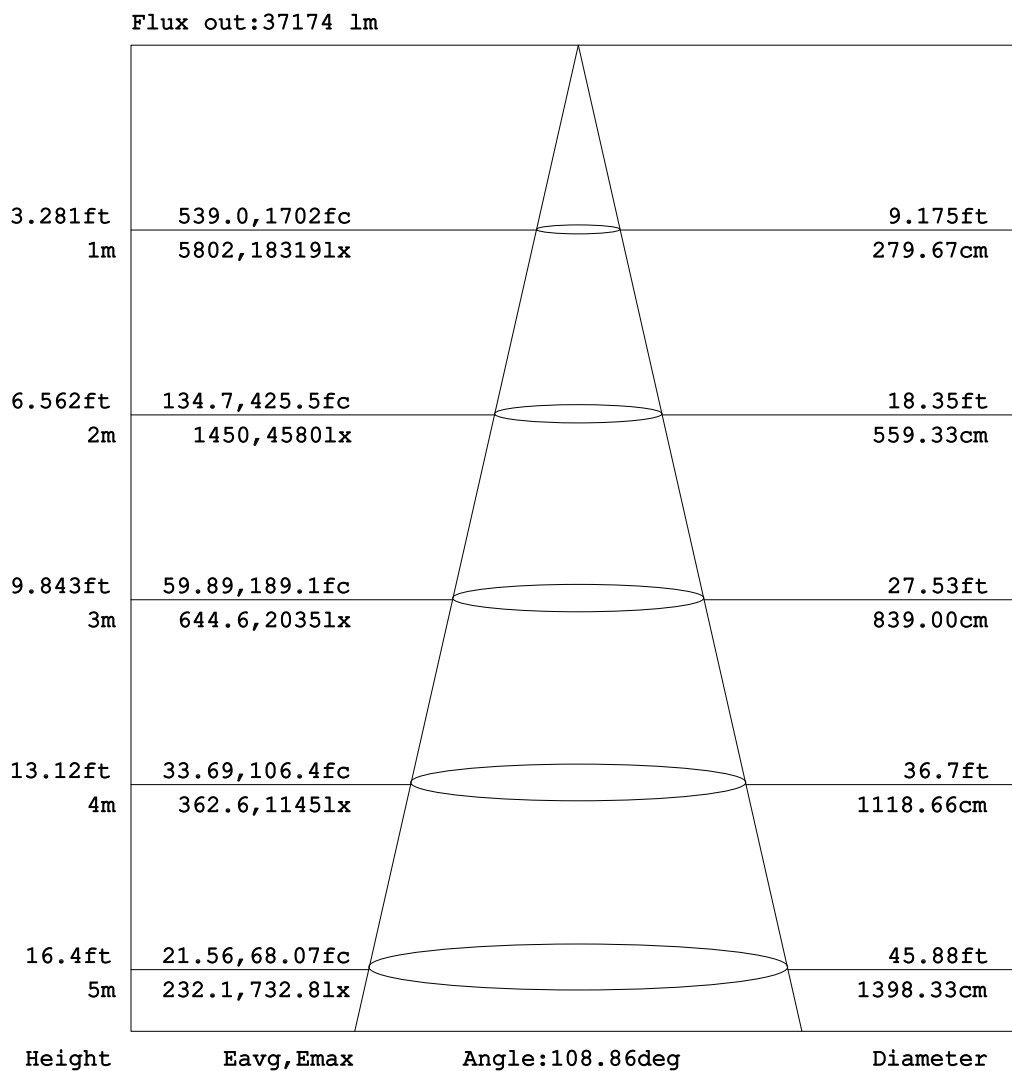


H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-14

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:229.5V I:1.291A P:291.1W PF:0.9830 Lamp Flux:46894.8x1 lm		
NAME: FL 300 STD CR 30 40 8 120	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

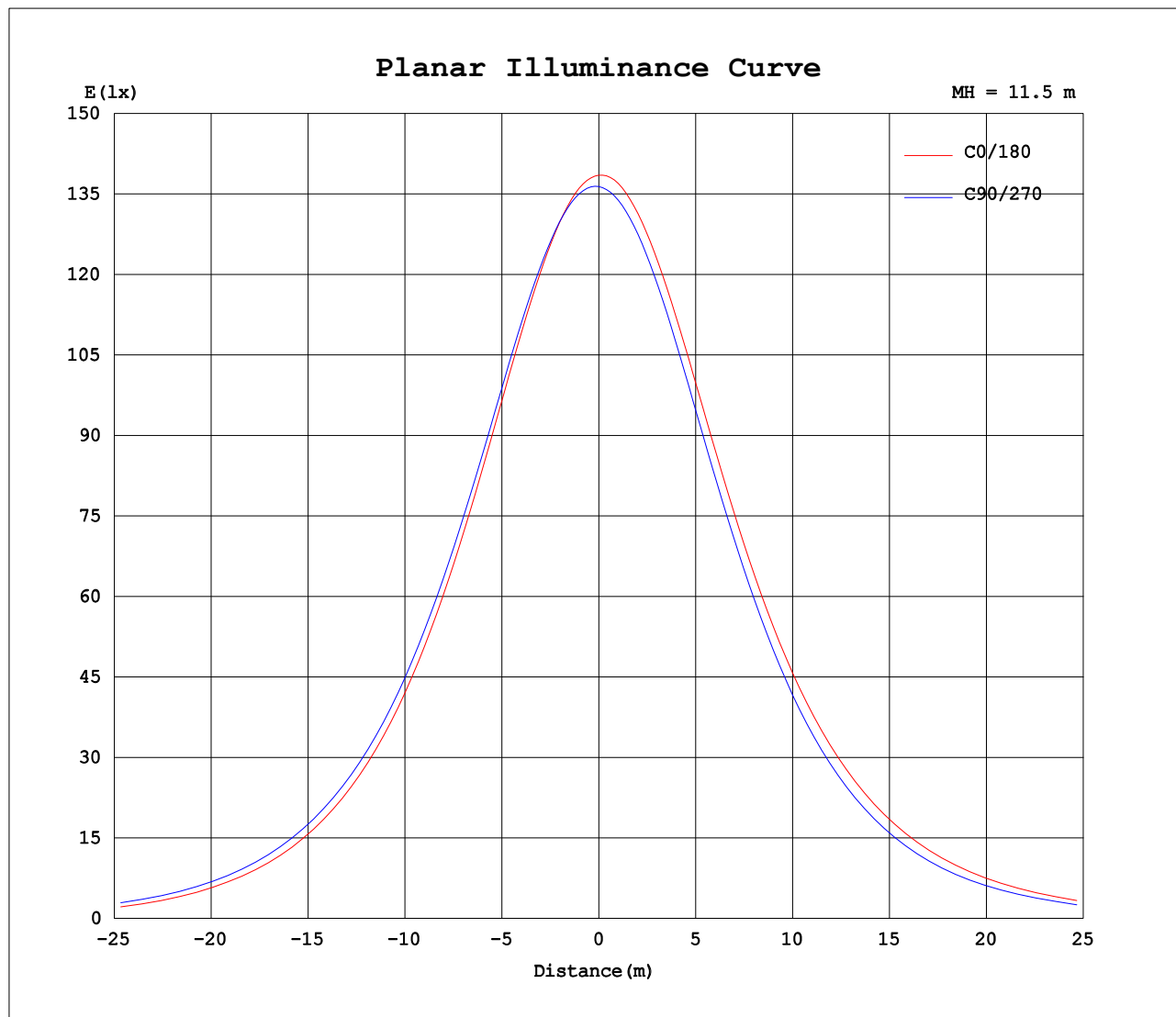


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:229.5V I:1.291A P:291.1W PF:0.9830 Lamp Flux:46894.8x1 lm																	
NAME: FL 300 STD CR 30 40 8 120									TYPE:						WEIGHT:		
DIM.:									SPEC.:						SERIAL No.:		
MFR.:									SUR.:						PROTECTION ANGLE:		

Table--1

UNIT: ×10cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	3.09	3.15	3.21	3.28	3.19	3.10	3.01	2.91	2.81	2.70	2.64	2.57	2.50	2.46	2.42	2.37	2.32	2.28	2.23
-85	3.09	3.46	3.90	4.52	4.95	5.43	6.03	6.23	6.41	6.59	6.79	6.91	6.96	6.97	6.88	6.69	6.39	6.00	5.54
-80	3.09	3.77	4.88	6.40	7.97	9.80	11.8	13.5	15.3	17.0	18.4	19.6	20.9	21.8	22.1	22.0	21.3	20.2	18.7
-75	3.09	4.19	6.13	8.95	12.3	16.2	20.6	25.0	29.6	34.7	42.6	49.9	55.7	66.0	73.8	81.7	85.1	84.9	81.4
-70	3.09	4.65	7.62	12.3	18.2	25.1	33.6	47.1	69.3	100	143	184	218	248	271	287	293	292	284
-65	3.09	5.14	9.36	16.4	25.4	38.1	64.1	114	186	259	323	376	421	456	487	511	520	522	516
-60	3.09	5.72	11.4	21.2	34.3	65.4	137	231	320	406	484	546	601	650	689	717	735	740	734
-55	3.09	6.26	13.6	26.3	52.3	120	233	339	448	548	638	715	782	837	882	916	937	944	940
-50	3.09	6.85	16.0	32.2	79.9	194	323	450	573	684	785	872	944	1004	1052	1089	1114	1123	1120
-45	3.09	7.44	18.4	41.2	121	267	409	555	689	809	917	1011	1087	1150	1201	1240	1266	1276	1274
-40	3.09	7.96	21.1	52.7	167	333	494	650	791	919	1032	1129	1209	1275	1328	1368	1397	1408	1407
-35	3.09	8.48	23.6	66.6	214	392	569	733	881	1014	1129	1228	1312	1379	1433	1475	1504	1517	1517
-30	3.09	9.02	26.0	82.3	257	445	635	805	958	1093	1211	1311	1395	1466	1520	1561	1590	1604	1605
-25	3.09	9.47	28.0	101	291	491	689	865	1021	1158	1276	1377	1463	1534	1590	1631	1660	1676	1677
-20	3.09	9.83	30.0	117	320	528	732	913	1072	1209	1328	1430	1514	1585	1643	1685	1714	1732	1733
-15	3.09	10.1	31.4	131	342	557	765	950	1111	1248	1367	1467	1552	1622	1679	1723	1752	1769	1772
-10	3.09	10.3	32.4	141	357	577	788	976	1140	1280	1397	1494	1577	1646	1702	1745	1774	1790	1797
-5	3.09	10.4	33.0	147	365	588	802	992	1158	1301	1420	1520	1602	1668	1717	1754	1780	1796	1807
0	3.09	10.4	33.1	148	367	590	806	998	1165	1310	1432	1535	1621	1693	1749	1791	1818	1832	1832
5	3.09	10.3	32.8	145	361	582	796	987	1153	1298	1418	1520	1606	1676	1731	1770	1794	1801	1790
10	3.09	10.2	32.0	137	349	565	776	964	1130	1274	1393	1495	1578	1648	1702	1740	1762	1771	1765
15	3.09	9.98	30.9	126	330	539	747	931	1095	1238	1355	1457	1539	1609	1660	1697	1721	1730	1726
20	3.09	9.68	29.3	110	305	504	707	886	1048	1190	1306	1405	1488	1553	1604	1641	1665	1673	1671
25	3.09	9.29	27.3	93.7	273	462	657	833	991	1129	1245	1341	1421	1485	1536	1573	1595	1604	1602
30	3.09	8.82	25.1	75.2	237	413	597	768	919	1055	1170	1263	1341	1404	1455	1492	1514	1523	1521
35	3.09	8.27	22.6	60.4	195	359	528	692	838	967	1079	1170	1246	1310	1360	1395	1416	1426	1424
40	3.09	7.73	20.0	46.7	148	301	455	606	744	866	972	1061	1137	1199	1247	1280	1300	1311	1309
45	3.09	7.20	17.4	36.6	103	238	375	513	639	752	852	937	1010	1070	1116	1147	1167	1177	1174
50	3.09	6.61	15.1	29.8	67.2	169	292	413	526	626	717	799	867	923	966	997	1015	1024	1021
55	3.09	6.02	12.8	24.1	43.3	100	204	310	407	496	574	646	707	758	796	823	841	850	846
60	3.09	5.48	10.6	19.1	30.7	55.3	113	199	282	360	429	491	543	585	616	639	653	659	655
65	3.09	4.91	8.65	14.8	22.5	32.6	54.2	90.9	146	206	272	321	364	403	424	435	450	455	448
70	3.09	4.45	7.00	11.0	16.1	21.8	28.8	39.2	53.5	73.7	104	136	170	197	215	226	234	236	231
75	3.09	4.01	5.59	7.91	10.8	14.2	17.7	21.4	25.5	29.8	34.2	39.5	46.8	51.5	54.9	59.2	62.1	63.1	61.9
80	3.09	3.62	4.44	5.58	6.93	8.47	10.1	11.7	13.1	14.5	15.9	17.2	18.4	18.9	19.1	19.1	18.8	18.1	17.2
85	3.09	3.36	3.60	3.96	4.36	4.77	5.25	5.50	5.77	6.01	6.26	6.47	6.66	6.62	6.46	6.21	6.07	5.87	5.63
90	3.09	3.09	3.08	3.08	3.10	3.12	3.14	3.09	3.03	2.98	3.01	3.04	3.08	3.03	2.99	2.95	2.85	2.75	2.64

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:229.5V I:1.291A P:291.1W PF:0.9830 Lamp Flux:46894.8x1 lm																		
NAME: FL 300 STD CR 30 40 8 120									TYPE:					WEIGHT:				
DIM.:									SPEC.:					SERIAL No.:				
MFR.:									SUR.:					PROTECTION ANGLE:				

Table--2

UNIT: ×10cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	2.17	2.11	2.05	2.05	2.05	2.05	2.09	2.12	2.16	2.22	2.29	2.36	2.43	2.50	2.57	2.65	2.72	2.80	
-85	5.35	5.10	4.82	4.56	4.26	3.93	3.64	3.40	3.21	3.05	2.91	2.81	2.71	2.61	2.53	2.56	2.69	2.80	
-80	18.3	17.6	16.7	15.5	14.1	12.8	11.3	9.84	8.30	6.92	5.66	4.61	3.91	3.39	3.01	2.76	2.66	2.80	
-75	75.8	68.2	59.4	48.2	38.2	31.0	26.7	22.6	18.8	15.2	12.0	9.12	6.79	4.99	3.76	3.08	2.73	2.80	
-70	273	255	229	196	158	120	84.7	58.3	36.1	27.9	21.2	15.8	11.4	7.76	5.10	3.54	2.84	2.80	
-65	502	477	441	402	354	301	248	180	117	66.4	35.9	25.0	17.3	11.5	6.99	4.17	2.97	2.80	
-60	720	695	658	610	552	488	420	344	259	167	90.2	41.6	24.8	16.0	9.33	4.98	3.13	2.80	
-55	926	900	860	807	741	668	585	495	392	286	181	88.8	35.4	21.1	12.0	6.01	3.29	2.80	
-50	1106	1080	1038	983	915	838	746	642	526	401	276	160	64.4	26.9	15.0	7.13	3.49	2.80	
-45	1261	1236	1194	1137	1069	988	892	779	653	515	371	233	109	34.6	18.1	8.28	3.72	2.80	
-40	1394	1369	1326	1270	1201	1117	1018	902	769	622	464	305	161	53.7	21.3	9.52	3.92	2.80	
-35	1505	1480	1439	1383	1314	1229	1126	1008	871	718	551	372	210	73.9	24.7	10.7	4.14	2.80	
-30	1594	1569	1529	1475	1407	1321	1217	1096	958	802	627	437	256	99.6	27.9	11.8	4.37	2.80	
-25	1667	1642	1602	1550	1481	1395	1291	1170	1031	871	692	494	295	124	31.5	12.8	4.57	2.80	
-20	1724	1700	1662	1609	1539	1452	1350	1230	1089	927	744	539	328	147	35.0	13.7	4.73	2.80	
-15	1765	1743	1706	1652	1582	1498	1395	1275	1133	969	783	574	355	165	39.4	14.5	4.86	2.80	
-10	1791	1770	1734	1682	1613	1529	1426	1304	1162	998	810	599	373	178	42.2	15.0	4.95	2.80	
-5	1807	1787	1751	1699	1630	1545	1442	1320	1178	1013	824	613	383	185	43.3	15.2	5.01	2.80	
0	1821	1795	1756	1702	1632	1546	1443	1322	1180	1015	827	615	384	187	43.2	15.3	5.02	2.80	
5	1767	1738	1698	1648	1588	1510	1413	1296	1158	997	812	604	376	182	42.3	15.1	4.99	2.80	
10	1746	1716	1675	1620	1551	1467	1369	1257	1123	967	785	581	361	172	40.3	14.7	4.93	2.80	
15	1709	1680	1637	1583	1515	1431	1331	1212	1076	924	747	547	337	156	37.3	14.1	4.83	2.80	
20	1654	1627	1586	1531	1464	1381	1282	1165	1029	872	698	503	307	135	33.4	13.3	4.70	2.80	
25	1587	1560	1520	1465	1397	1316	1219	1103	970	815	642	450	270	110	30.1	12.3	4.53	2.80	
30	1505	1477	1438	1384	1316	1235	1140	1028	897	746	577	392	228	85.1	26.5	11.3	4.34	2.80	
35	1408	1380	1341	1288	1221	1139	1046	937	810	663	502	332	183	60.4	23.2	10.2	4.12	2.80	
40	1293	1264	1226	1175	1109	1029	936	830	707	568	418	270	134	42.0	19.8	9.00	3.91	2.80	
45	1158	1129	1092	1042	979	901	810	707	591	466	330	204	86.6	31.0	16.5	7.79	3.71	2.80	
50	1005	977	940	891	830	756	669	572	469	356	244	132	50.6	24.4	13.6	6.71	3.49	2.80	
55	830	802	766	720	664	596	518	432	344	249	153	69.4	31.4	18.9	10.8	5.68	3.29	2.80	
60	640	614	581	542	494	436	370	296	216	134	69.9	35.3	22.5	14.3	8.33	4.76	3.14	2.80	
65	436	414	380	351	311	257	202	140	85.1	51.7	32.0	22.8	15.8	10.3	6.29	4.08	2.99	2.80	
70	218	197	171	146	119	87.1	62.8	43.2	32.1	25.5	19.7	14.7	10.5	7.04	4.71	3.53	2.89	2.80	
75	56.3	49.4	42.5	36.9	32.6	28.3	24.6	20.9	17.2	14.1	11.3	8.73	6.46	4.76	3.70	3.11	2.81	2.80	
80	17.0	16.5	15.8	14.8	13.6	12.3	10.8	9.25	7.70	6.66	5.69	4.81	4.06	3.48	3.04	2.85	2.76	2.80	
85	5.47	5.27	5.05	4.87	4.66	4.42	4.14	3.91	3.70	3.52	3.34	3.19	2.99	2.87	2.78	2.77	2.78	2.80	
90	2.72	2.79	2.87	2.92	2.97	3.01	2.94	2.87	2.80	2.88	2.95	3.03	2.96	2.88	2.81	2.81	2.80	2.80	

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: