

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

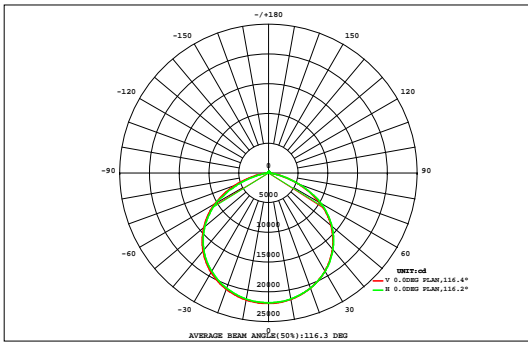
Maximum Intensity (Luminaire orientation as tested.)		343.7 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I _{max} At 50% of I _{max} At 90% of I _{max}	153.3V x 155.1H 116.3V x 116.4H 52.3V x 53.5H
Beam Flux	Total To 10% of I _{max} To 50% of I _{max} To 90% of I _{max}	1000.0 lumens per klm. 970.1 lumens per klm. 774.9 lumens per klm. 215.5 lumens per klm.
	Upward LOR Downward LOR	1.5 % 98.5 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:DAMIN
Test Date:2023-03-28

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:6.722m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 400W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:159.27lm/W	
MODEL		I _{max} (cd)	21932
NOMINAL POWER(W)	400	AVAILABILITY(%)	97.0
RATED VOLTAGE(V)	222	Avai. FLUX(lm)	61928
NOMINAL FLUX(lm)	63820.2	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	63820
TEST VOLTAGE(V)	221.1	θ @50%(H,V)	116,116DEG

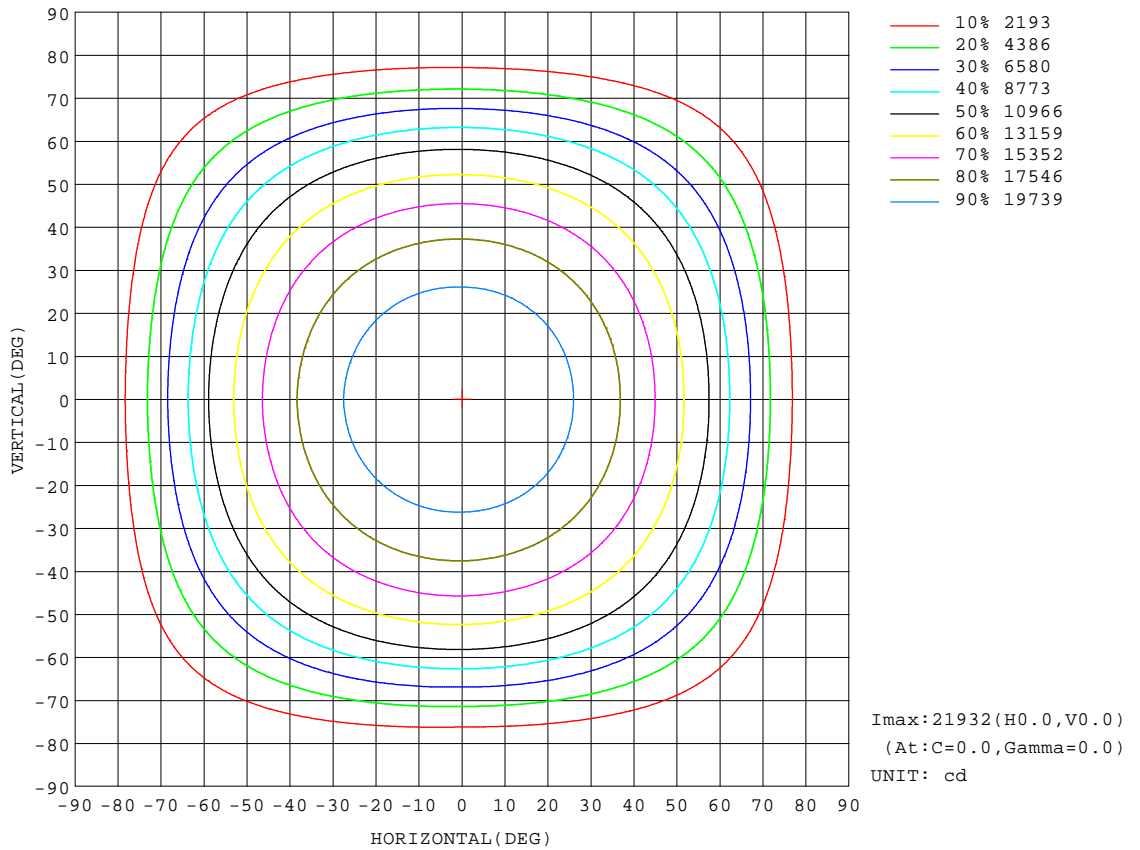
VERTICAL(DEG)	AREA FLUX DIAGRAM															UNIT:lm		Φ t	Φ a	
	0.24	0.77	1.55	2.79	4.51	6.57	8.59	10.1	10.6	10.4	9.29	7.47	5.39	3.51	2.13	1.25	0.66			0.22
90	0.24	0.77	1.55	2.79	4.51	6.57	8.59	10.1	10.6	10.4	9.29	7.47	5.39	3.51	2.13	1.25	0.66	0.22	86.1	0.00
80	0.27	1.76	7.04	18.3	35.0	54.4	72.8	86.9	93.8	92.7	83.9	68.3	49.1	29.9	14.4	4.91	1.18	0.22	715	487
70	0.39	4.74	21.1	52.2	94.8	142	185	218	235	234	214	179	135	87.4	45.6	16.7	3.18	0.28	1869	1814
60	0.62	9.48	39.8	93.5	162	234	297	342	365	364	339	292	227	154	85.7	33.9	6.92	0.40	3045	3018
50	0.93	14.9	59.4	133	222	310	384	438	466	465	435	379	303	214	125	52.8	11.6	0.59	4015	3998
40	1.27	20.2	77.2	166	269	368	452	513	544	543	510	447	361	261	158	70.2	16.4	0.81	4778	4766
30	1.59	24.8	91.3	192	303	411	502	567	601	600	564	497	404	295	183	84.1	20.5	1.03	5341	5331
20	1.84	28.1	101	208	326	439	535	603	638	637	600	529	432	317	200	93.5	23.6	1.21	5713	5704
10	1.98	29.9	106	217	338	454	552	622	657	656	618	545	445	328	208	98.2	25.1	1.31	5903	5895
0	1.98	29.9	106	217	338	454	552	622	658	657	618	546	446	328	208	98.2	25.1	1.31	5904	5896
-10	1.83	28.0	101	209	326	440	535	604	638	637	601	530	432	318	200	93.3	23.4	1.20	5717	5708
-20	1.58	24.6	91.0	192	303	411	503	568	602	601	565	498	404	295	183	83.8	20.4	1.02	5348	5337
-30	1.26	20.0	76.7	166	269	368	453	515	546	545	512	448	362	261	158	69.7	16.1	0.80	4789	4776
-40	0.92	14.7	58.7	132	222	310	386	440	469	467	437	380	304	214	124	52.0	11.3	0.58	4024	4006
-50	0.62	9.22	38.9	91.9	160	233	297	344	367	366	340	292	226	152	84.2	33.0	6.67	0.40	3042	3014
-60	0.39	4.60	20.3	50.3	91.9	138	181	214	231	230	210	176	131	84.5	43.7	15.8	3.03	0.28	1826	1768
-70	0.27	1.72	6.66	17.0	32.3	50.1	67.1	79.8	85.4	84.4	76.8	62.6	44.8	27.2	13.1	4.54	1.14	0.22	655	411
-80	0.24	0.76	1.50	2.65	4.11	5.76	7.21	8.10	8.15	7.85	7.29	6.09	4.58	3.12	1.99	1.20	0.65	0.21	71.5	0.00
-90	0.24	0.76	1.50	2.65	4.11	5.76	7.21	8.10	8.15	7.85	7.29	6.09	4.58	3.12	1.99	1.20	0.65	0.21	71.5	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)	20	30	40	50	60	70	80	90			
Φ t	18.2	268	1005	2160	3501	4827	5969	6795	7215	7197	6741	5882	4714	3375	2038	907	217	12.1	62842	---
Φ a	0.00	197	950	2108	3448	4775	5917	6744	7162	7145	6691	5830	4662	3322	1984	850	142	0.00	---	61928

one-half-peak spread: U:58.5,D:58.3 , L:59.2,R:57.7 NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG	V(B) Range:-180 - 180DEG
H(β) Interval: 0.5DEG	V(B) Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Temperature:25DEG	Humidity:65.0%
Operators:DAMIN	Test Distance:6.722m [K=1.0000]
Test Date:2023-03-28	Remarks:

ISOCANDELA DIAGRAM

NAME: 400W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

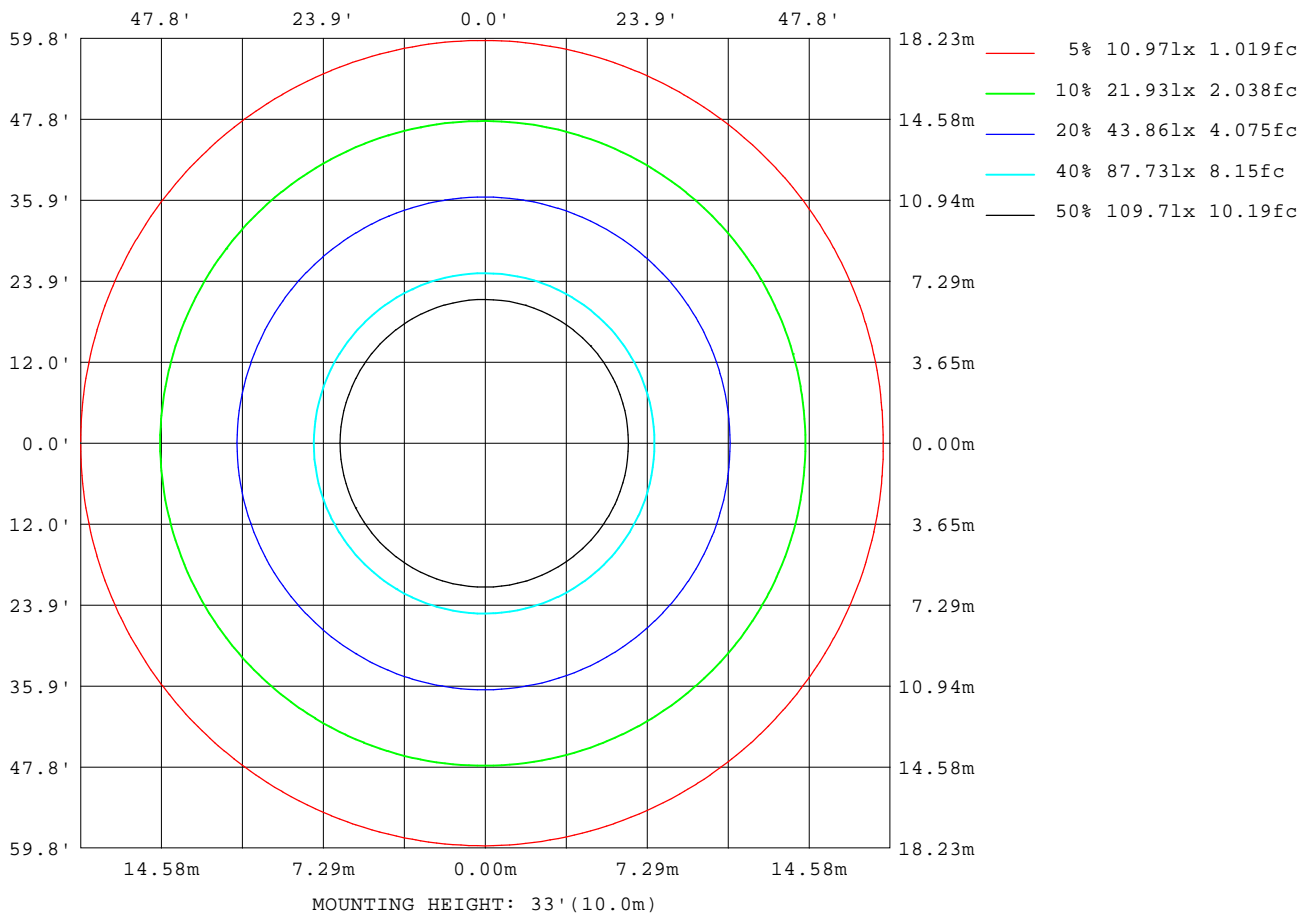


H(β) Range: -90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: DAMIN
Test Date: 2023-03-28

V(B) Range: -180 - 180DEG
V(B) Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 6.722m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: 400W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

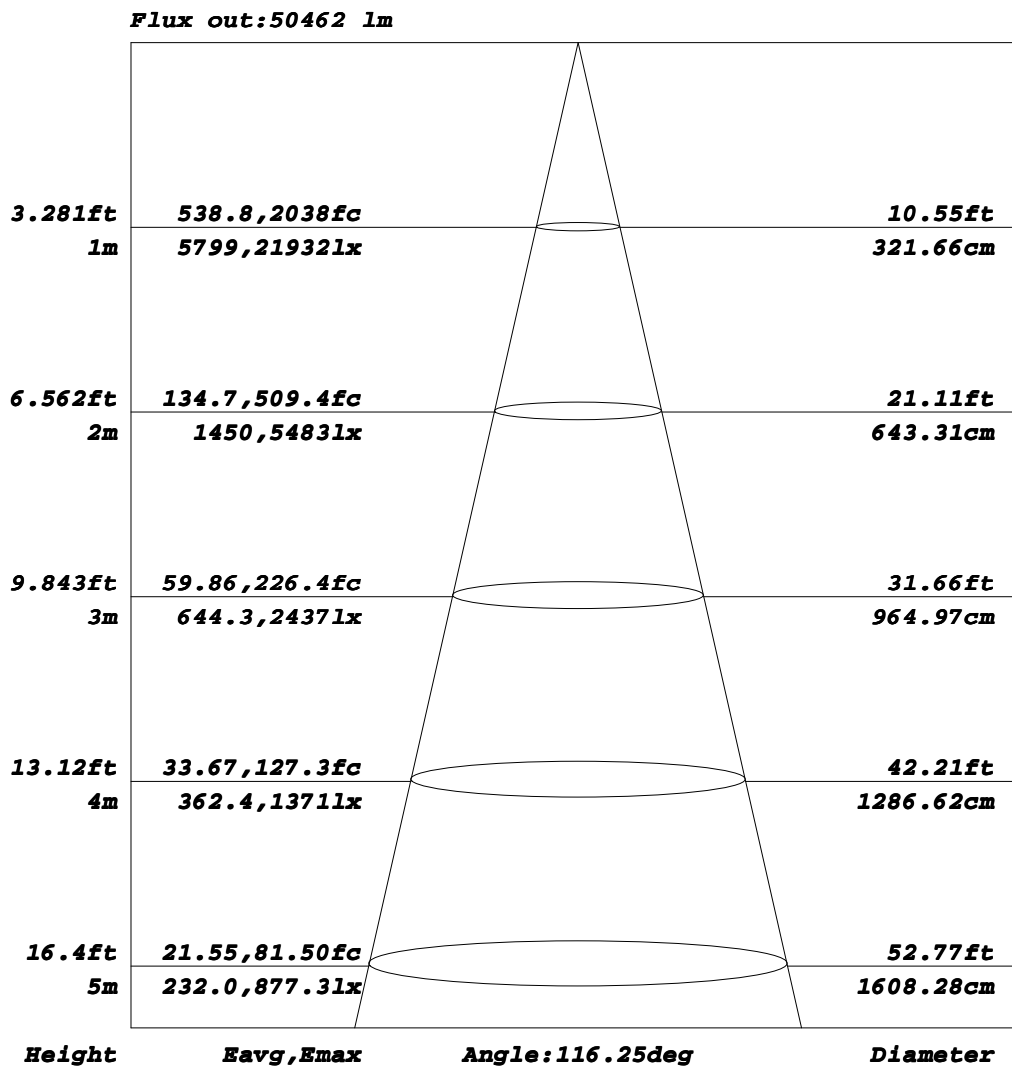


H(β) Range: -90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: DAMIN
Test Date: 2023-03-28

V(B) Range: -180 - 180DEG
V(B) Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 6.722m [K=1.0000]
Remarks:

AAI Figure

NAME: 400W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

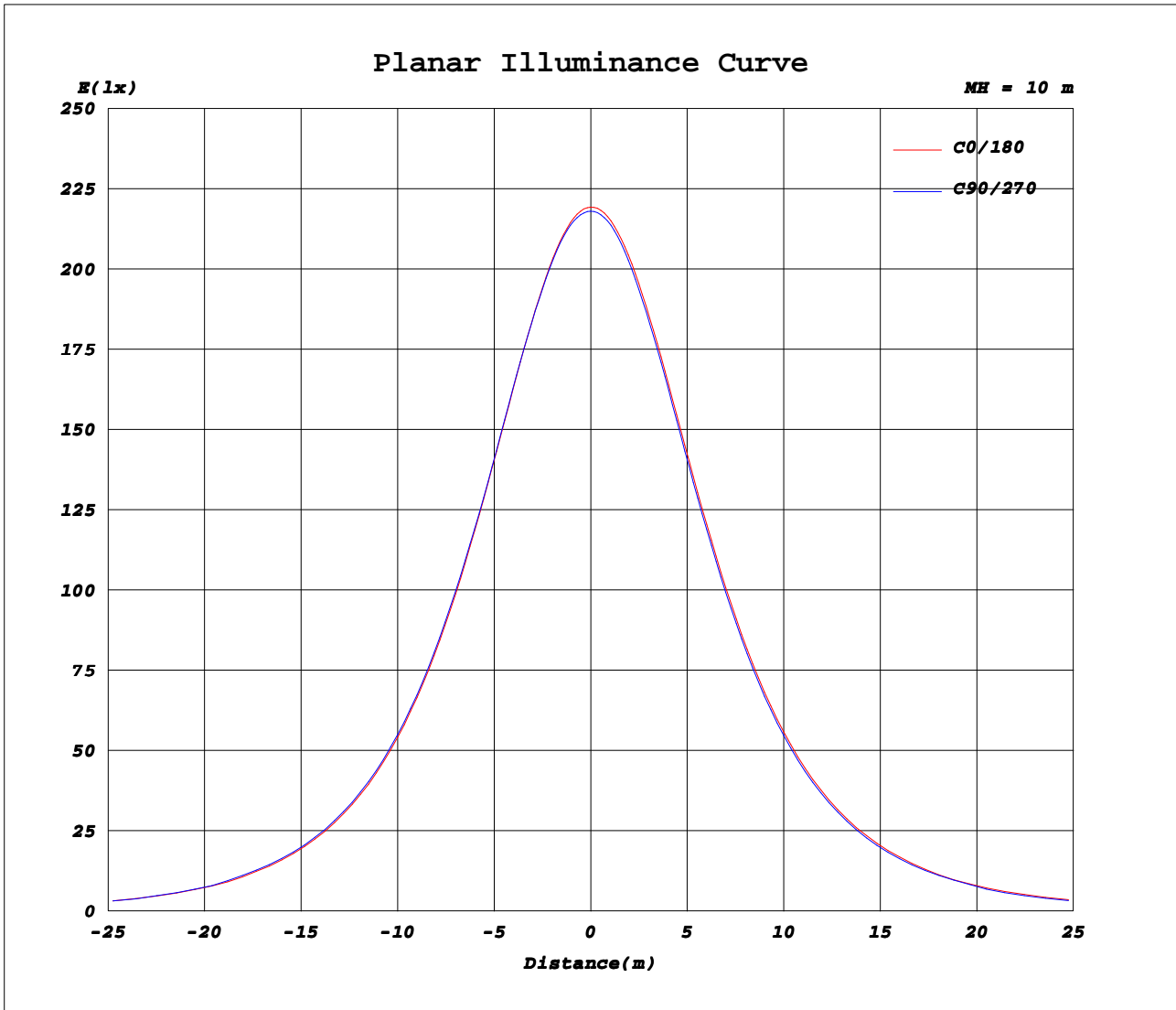


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: DAMIN
 Test Date: 2023-03-28

V(B) Range: -180 - 180DEG
 V(B) Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
 Humidity: 65.0%
 Test Distance: 6.722m [K=1.0000]
 Remarks:

Planar Illuminance Curve



H(β) Range: -90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: DAMIN
Test Date: 2023-03-28

V(B) Range: -180 - 180DEG
V(B) Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 6.722m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 400W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	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
-180	8.84	9.94	11.1	12.3	13.5	14.6	15.7	16.6	17.6	18.6	19.7	20.8	21.9	23.1	24.3	25.3	25.9	26.3	26.2
-170	8.84	9.91	11.1	12.2	13.4	14.5	15.5	16.4	17.3	18.3	19.3	20.3	21.4	22.5	23.6	24.4	25.0	25.4	25.4
-160	8.84	9.85	10.9	12.0	13.1	14.2	15.1	16.0	16.8	17.7	18.5	19.4	20.3	21.2	22.0	22.7	23.2	23.5	23.5
-150	8.84	9.76	10.7	11.7	12.7	13.7	14.6	15.4	16.1	16.8	17.5	18.2	18.8	19.5	20.0	20.5	20.8	21.0	21.0
-140	8.84	9.63	10.5	11.4	12.2	13.0	13.8	14.5	15.2	15.8	16.3	16.8	17.3	17.7	18.0	18.3	18.5	18.6	18.5
-130	8.84	9.49	10.2	10.9	11.6	12.3	12.9	13.5	14.1	14.6	15.0	15.4	15.7	16.0	16.2	16.3	16.4	16.5	16.4
-120	8.84	9.32	9.83	10.4	10.9	11.4	11.9	12.3	12.8	13.1	13.5	13.8	14.0	14.2	14.4	14.5	14.5	14.5	14.5
-110	8.84	9.14	9.47	9.79	10.1	10.4	10.7	11.0	11.3	11.6	11.8	12.0	12.1	12.2	12.3	12.4	12.4	12.4	12.4
-100	8.84	8.95	9.08	9.22	9.35	9.47	9.59	9.69	9.80	9.89	9.97	10.0	10.1	10.1	10.1	10.1	10.1	10.1	10.0
-90	8.84	8.79	8.73	8.68	8.62	8.56	8.51	8.45	8.39	8.34	8.28	8.23	8.17	8.11	8.06	8.00	7.94	7.89	7.83
-80	8.84	9.13	9.80	11.7	15.3	20.8	27.8	34.0	42.5	52.3	61.7	70.4	78.9	85.4	90.4	93.4	94.3	93.2	90.3
-70	8.84	9.92	16.2	32.9	56.8	91.8	132	178	225	271	318	361	401	438	466	486	498	503	501
-60	8.84	11.9	33.1	75.4	140	220	307	400	497	587	668	755	817	870	931	977	1004	1019	1022
-50	8.84	15.2	55.1	137	245	368	508	640	776	887	1013	1109	1187	1253	1307	1348	1378	1395	1399
-40	8.84	19.9	83.8	202	350	522	689	853	1017	1154	1270	1373	1460	1535	1595	1639	1670	1688	1692
-30	8.84	25.8	113	261	447	644	840	1033	1197	1339	1465	1576	1668	1746	1810	1857	1888	1906	1910
-20	8.84	30.9	137	310	523	744	947	1154	1321	1471	1604	1717	1815	1894	1956	2006	2041	2059	2063
-10	8.84	34.3	152	342	572	801	1022	1223	1396	1551	1686	1802	1901	1981	2048	2097	2130	2149	2153
0	8.84	35.5	158	355	590	822	1050	1247	1423	1580	1715	1833	1931	2014	2081	2131	2168	2189	2193
10	8.84	34.3	153	343	573	801	1022	1222	1395	1550	1685	1801	1900	1980	2047	2096	2129	2148	2151
20	8.84	31.0	138	312	526	746	948	1153	1320	1469	1602	1714	1812	1892	1954	2004	2038	2057	2061
30	8.84	25.8	114	264	450	648	841	1032	1195	1337	1462	1573	1665	1741	1805	1852	1884	1902	1906
40	8.84	20.0	84.9	205	355	527	696	855	1015	1152	1268	1369	1456	1529	1589	1633	1664	1680	1684
50	8.84	15.3	56.1	140	250	375	515	649	777	901	1011	1107	1183	1248	1302	1343	1371	1387	1391
60	8.84	12.0	33.3	77.5	146	227	317	410	508	597	684	757	820	891	940	976	1001	1014	1017
70	8.84	9.98	16.4	33.4	59.2	97.2	141	188	238	285	337	378	420	459	487	508	521	527	527
80	8.84	9.19	9.93	11.9	15.7	21.4	28.6	37.1	47.3	58.2	70.7	82.4	93.7	103	111	116	120	121	120
90	8.84	8.84	8.84	8.83	8.83	8.83	8.82	8.82	8.82	8.82	8.81	8.81	8.81	8.80	8.80	8.80	8.79	8.79	8.79
100	8.84	9.00	9.19	9.38	9.57	9.75	9.92	10.1	10.3	10.4	10.5	10.7	10.8	10.9	11.0	11.0	11.1	11.1	11.1
110	8.84	9.19	9.57	9.95	10.3	10.7	11.1	11.4	11.8	12.1	12.4	12.6	12.8	13.0	13.2	13.3	13.4	13.4	13.4
120	8.84	9.37	9.93	10.5	11.1	11.6	12.2	12.7	13.2	13.6	14.0	14.4	14.7	14.9	15.1	15.2	15.3	15.4	15.4
130	8.84	9.53	10.3	11.0	11.8	12.5	13.2	13.8	14.4	15.0	15.4	15.9	16.2	16.5	16.8	17.0	17.1	17.2	17.2
140	8.84	9.67	10.6	11.5	12.4	13.2	14.1	14.8	15.5	16.1	16.7	17.2	17.7	18.1	18.5	18.8	19.0	19.1	19.2
150	8.84	9.78	10.8	11.8	12.8	13.8	14.7	15.6	16.3	17.0	17.8	18.4	19.1	19.8	20.4	20.8	21.2	21.4	21.4
160	8.84	9.87	11.0	12.1	13.2	14.3	15.2	16.1	17.0	17.8	18.7	19.6	20.5	21.4	22.2	22.9	23.5	23.8	23.8
170	8.84	9.92	11.1	12.3	13.4	14.5	15.5	16.5	17.4	18.4	19.4	20.4	21.5	22.6	23.7	24.6	25.2	25.5	25.6
180	8.84	9.94	11.1	12.3	13.5	14.6	15.7	16.6	17.6	18.6	19.7	20.8	21.9	23.1	24.3	25.3	25.9	26.3	26.1

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:DAMIN
Test Date:2023-03-28

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:6.722m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 400W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	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	
-180	26.1	25.6	24.8	23.9	22.7	21.4	20.2	19.0	17.9	16.9	15.9	14.9	13.9	12.8	11.6	10.4	9.27	8.16	
-170	25.3	24.8	24.1	23.2	22.1	20.9	19.8	18.7	17.7	16.7	15.7	14.8	13.8	12.7	11.6	10.4	9.24	8.16	
-160	23.4	23.1	22.5	21.7	20.8	19.9	18.9	18.0	17.1	16.2	15.3	14.5	13.5	12.5	11.4	10.3	9.19	8.16	
-150	20.9	20.7	20.3	19.8	19.1	18.5	17.7	17.0	16.3	15.5	14.8	14.0	13.1	12.1	11.1	10.1	9.10	8.16	
-140	18.5	18.4	18.1	17.8	17.4	16.9	16.4	15.9	15.3	14.7	14.0	13.3	12.5	11.6	10.7	9.86	8.98	8.16	
-130	16.4	16.3	16.2	16.0	15.7	15.4	15.0	14.6	14.1	13.6	13.0	12.4	11.7	11.0	10.3	9.56	8.84	8.16	
-120	14.5	14.4	14.3	14.2	14.0	13.8	13.5	13.1	12.8	12.3	11.9	11.4	10.9	10.3	9.78	9.22	8.68	8.16	
-110	12.4	12.3	12.3	12.2	12.0	11.9	11.7	11.4	11.2	10.9	10.6	10.3	9.94	9.58	9.22	8.86	8.50	8.16	
-100	10.0	10.0	10.0	9.98	9.93	9.85	9.77	9.66	9.55	9.42	9.28	9.13	8.98	8.82	8.66	8.49	8.33	8.16	
-90	7.85	7.87	7.89	7.90	7.92	7.94	7.96	7.98	7.99	8.01	8.03	8.05	8.07	8.08	8.10	8.12	8.14	8.16	
-80	90.7	89.3	86.0	80.8	73.7	65.8	56.5	47.7	38.7	30.0	22.6	17.3	14.3	11.1	8.89	8.21	8.00	8.16	
-70	499	490	473	450	419	378	336	289	238	193	145	102	65.1	37.5	19.3	11.3	8.23	8.16	
-60	1015	996	965	916	850	794	728	635	552	455	357	263	179	105	50.0	18.9	8.89	8.16	
-50	1391	1370	1337	1292	1234	1164	1081	982	852	736	596	456	322	198	98.9	34.7	10.5	8.16	
-40	1684	1663	1628	1580	1516	1437	1346	1239	1117	977	809	638	464	297	155	54.7	13.5	8.16	
-30	1903	1881	1846	1795	1728	1646	1548	1432	1302	1155	988	790	589	387	209	76.3	16.1	8.16	
-20	2056	2034	1996	1942	1874	1790	1688	1569	1431	1277	1104	894	684	459	252	95.7	18.0	8.16	
-10	2147	2124	2086	2032	1960	1874	1771	1650	1509	1350	1172	968	742	505	281	109	19.2	8.16	
0	2184	2159	2117	2062	1989	1902	1797	1673	1533	1373	1192	993	760	523	291	114	19.6	8.16	
10	2145	2122	2085	2031	1960	1873	1770	1649	1508	1349	1171	967	742	507	282	109	19.2	8.16	
20	2054	2032	1993	1940	1872	1788	1685	1567	1429	1275	1103	896	686	461	254	96.7	18.0	8.16	
30	1899	1877	1842	1790	1723	1642	1544	1429	1300	1154	987	791	593	390	212	77.5	16.1	8.16	
40	1677	1657	1622	1574	1510	1433	1342	1236	1115	975	811	645	469	302	158	55.9	13.6	8.16	
50	1383	1363	1332	1287	1229	1160	1079	980	865	737	604	464	328	204	102	35.6	10.6	8.16	
60	1011	993	964	925	872	797	729	651	562	466	367	273	185	110	52.1	19.1	8.95	8.16	
70	523	513	495	471	441	396	353	308	253	206	155	111	70.5	39.8	19.8	11.5	8.29	8.16	
80	118	115	109	101	91.4	80.6	68.6	56.7	44.6	34.7	25.7	18.1	14.9	11.4	9.11	8.33	8.06	8.16	
90	8.75	8.72	8.68	8.65	8.61	8.58	8.54	8.51	8.47	8.44	8.40	8.37	8.33	8.30	8.26	8.23	8.19	8.16	
100	11.0	11.0	10.9	10.8	10.7	10.6	10.4	10.2	10.1	9.88	9.68	9.47	9.26	9.04	8.82	8.60	8.38	8.16	
110	13.4	13.3	13.1	13.0	12.8	12.6	12.3	12.0	11.7	11.4	11.0	10.6	10.2	9.80	9.38	8.97	8.56	8.16	
120	15.3	15.2	15.1	14.9	14.7	14.4	14.0	13.7	13.2	12.8	12.2	11.7	11.1	10.5	9.93	9.32	8.73	8.16	
130	17.2	17.0	16.8	16.6	16.3	15.9	15.5	15.0	14.5	14.0	13.4	12.7	11.9	11.2	10.4	9.65	8.89	8.16	
140	19.1	18.9	18.6	18.3	17.8	17.3	16.8	16.2	15.6	15.0	14.3	13.5	12.7	11.8	10.9	9.93	9.02	8.16	
150	21.4	21.1	20.7	20.1	19.5	18.8	18.0	17.3	16.5	15.8	15.0	14.1	13.2	12.2	11.2	10.2	9.13	8.16	
160	23.7	23.3	22.7	21.9	21.0	20.1	19.1	18.2	17.3	16.4	15.5	14.6	13.6	12.6	11.5	10.3	9.21	8.16	
170	25.4	25.0	24.3	23.3	22.2	21.0	19.9	18.8	17.7	16.7	15.8	14.8	13.8	12.7	11.6	10.4	9.25	8.16	
180	26.1	25.6	24.8	23.9	22.7	21.4	20.2	19.0	17.9	16.9	15.9	14.9	13.9	12.8	11.6	10.4	9.27	8.16	

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:DAMIN
Test Date:2023-03-28

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:6.722m [K=1.0000]
Remarks: