

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

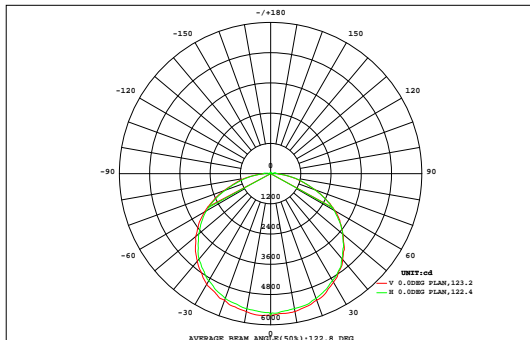
Maximum Intensity (Luminaire orientation as tested.)		305.7 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I _{max} At 50% of I _{max} At 90% of I _{max}	168.0V x 168.5H 122.4V x 123.2H 52.8V x 57.7H
Beam Flux	Total To 10% of I _{max} To 50% of I _{max} To 90% of I _{max}	1000.0 lumens per klm. 961.3 lumens per klm. 750.7 lumens per klm. 193.7 lumens per klm.
	Upward LOR Downward LOR	2.6 % 97.4 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-08-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
Humidity:65.0%
Test Distance:10.100m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: SPS1504-HL10B-182WW-5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:D110mm	Shielding Angle:



DATA OF LAMP		Eff:121.14lm/W	
MODEL		Imax(cd)	5638
NOMINAL POWER(W)	150	AVAILABILITY(%)	96.1
RATED VOLTAGE(V)	230	Avai. FLUX(lm)	17724
NOMINAL FLUX(lm)	101.338	LOR(%)	100.0
LAMPS INSIDE	182	TOTAL FLUX(lm)	18443
TEST VOLTAGE(V)	230	θ @50%(H,V)	123,122DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.75	2.43	4.44	6.70	9.08	11.4	13.3	14.7	15.4	15.4	14.5	13.0	11.1	8.83	6.45	4.23	2.34	0.74		
80	0.85	3.58	8.16	14.4	21.6	28.7	34.8	39.3	41.5	41.4	38.8	34.1	27.9	21.0	14.0	7.76	3.25	0.80	382	369
70	1.02	5.21	13.1	23.7	35.9	48.6	60.0	68.4	72.6	72.2	67.3	58.7	47.1	34.3	22.4	12.4	4.78	0.91	649	644
60	1.20	6.96	17.8	32.9	51.0	69.1	84.7	95.6	101	100	93.9	82.2	66.6	48.9	31.0	16.5	6.39	1.06	907	905
50	1.39	8.54	22.0	41.7	64.4	86.1	104	117	123	123	115	101	82.8	61.6	39.8	20.6	7.82	1.23	1122	1121
40	1.56	9.83	26.0	49.3	74.7	98.5	120	135	142	141	132	116	95.0	71.4	47.2	24.5	8.99	1.37	1294	1293
30	1.70	10.8	29.2	55.0	82.1	109	131	147	154	153	144	127	104	78.7	52.6	27.8	9.96	1.49	1420	1419
	1.80	11.5	31.4	58.7	87.5	116	139	155	163	162	152	135	111	84.1	56.3	30.1	10.7	1.57	1507	1506
	1.85	11.9	32.5	60.5	90.3	119	143	160	168	165	157	141	116	87.6	58.5	31.3	11.0	1.61	1557	1556
	1.85	11.9	32.4	60.2	89.9	119	142	158	165	167	159	142	118	88.0	58.6	31.3	11.0	1.61	1557	1556
	1.80	11.5	31.1	57.8	86.4	114	136	153	162	162	154	138	114	85.2	56.7	30.1	10.7	1.56	1505	1505
-30	1.70	10.7	28.8	53.7	80.4	106	128	145	154	154	146	129	107	79.9	53.1	27.9	9.98	1.48	1417	1416
-40	1.56	9.70	25.5	48.0	72.3	96.2	117	133	141	141	133	118	96.5	72.4	47.5	24.7	8.99	1.36	1287	1285
-50	1.39	8.47	21.4	40.7	62.3	83.5	102	116	123	123	116	102	83.7	62.3	40.1	20.7	7.75	1.21	1115	1113
-60	1.20	6.97	17.2	31.8	49.8	67.8	83.6	95.0	101	101	94.7	83.1	67.3	49.2	31.2	16.6	6.26	1.05	905	902
-70	1.01	5.24	13.0	22.9	35.1	48.3	60.1	68.9	73.5	73.2	68.0	58.8	46.9	34.1	22.3	12.2	4.59	0.90	649	645
-80	0.85	3.58	8.26	14.6	21.8	28.9	35.3	40.0	42.3	41.8	38.6	33.3	27.1	20.3	13.4	7.32	3.14	0.79	381	367
-90	0.74	2.38	4.36	6.70	9.30	11.9	14.1	15.6	16.3	16.0	14.6	12.7	10.5	8.32	6.13	4.10	2.30	0.74	157	62.0
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	24.2	141	367	679	1024	1361	1650	1855	1959	1952	1839	1625	1333	996	657	350	130	21.5	17965	---
Φ a	12.7	128	354	666	1011	1348	1636	1842	1946	1939	1826	1610	1319	982	643	336	115	8.73	---	17724

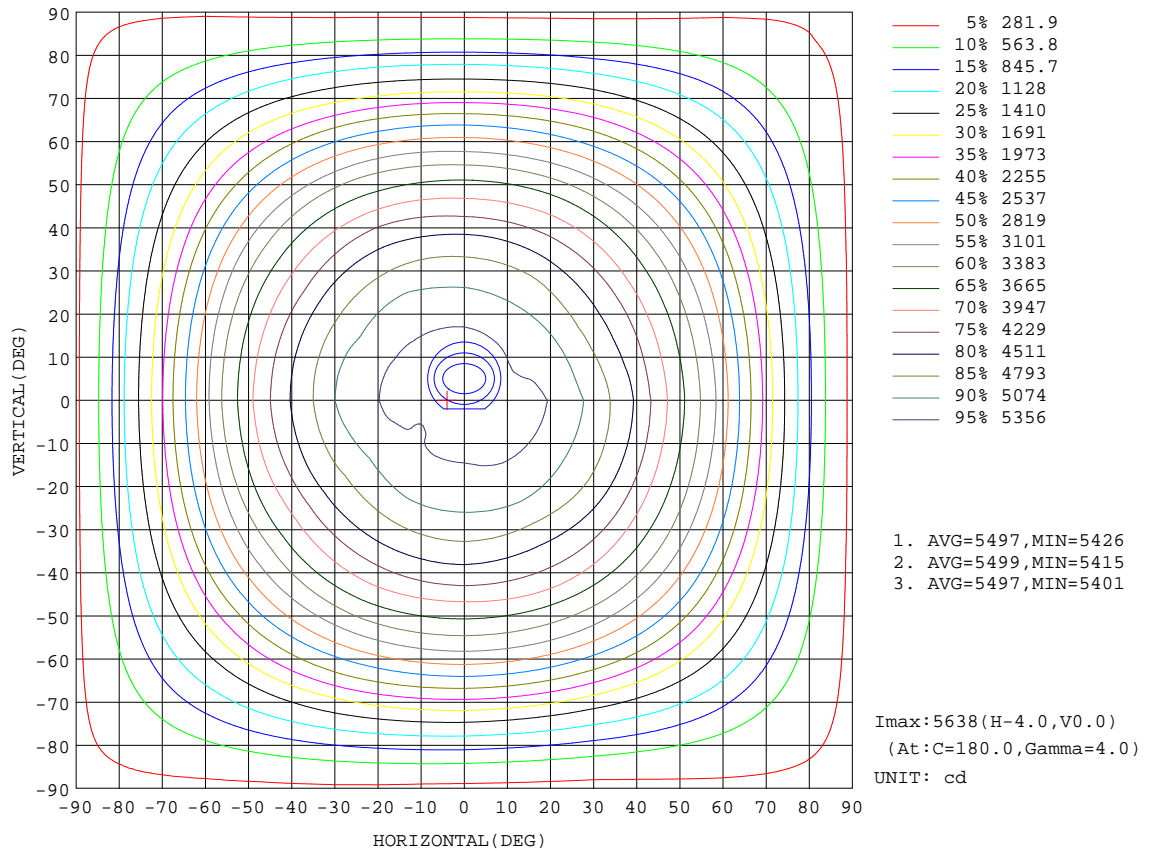
one-half-peak spread: U:59.8,D:59.3 , L:40.3,R:55.5 NEMA Beam Type: Type 7

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-08-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:10.100m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

NAME: SPS1504-HL10B-182WW-5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:D110mm	Shielding Angle:

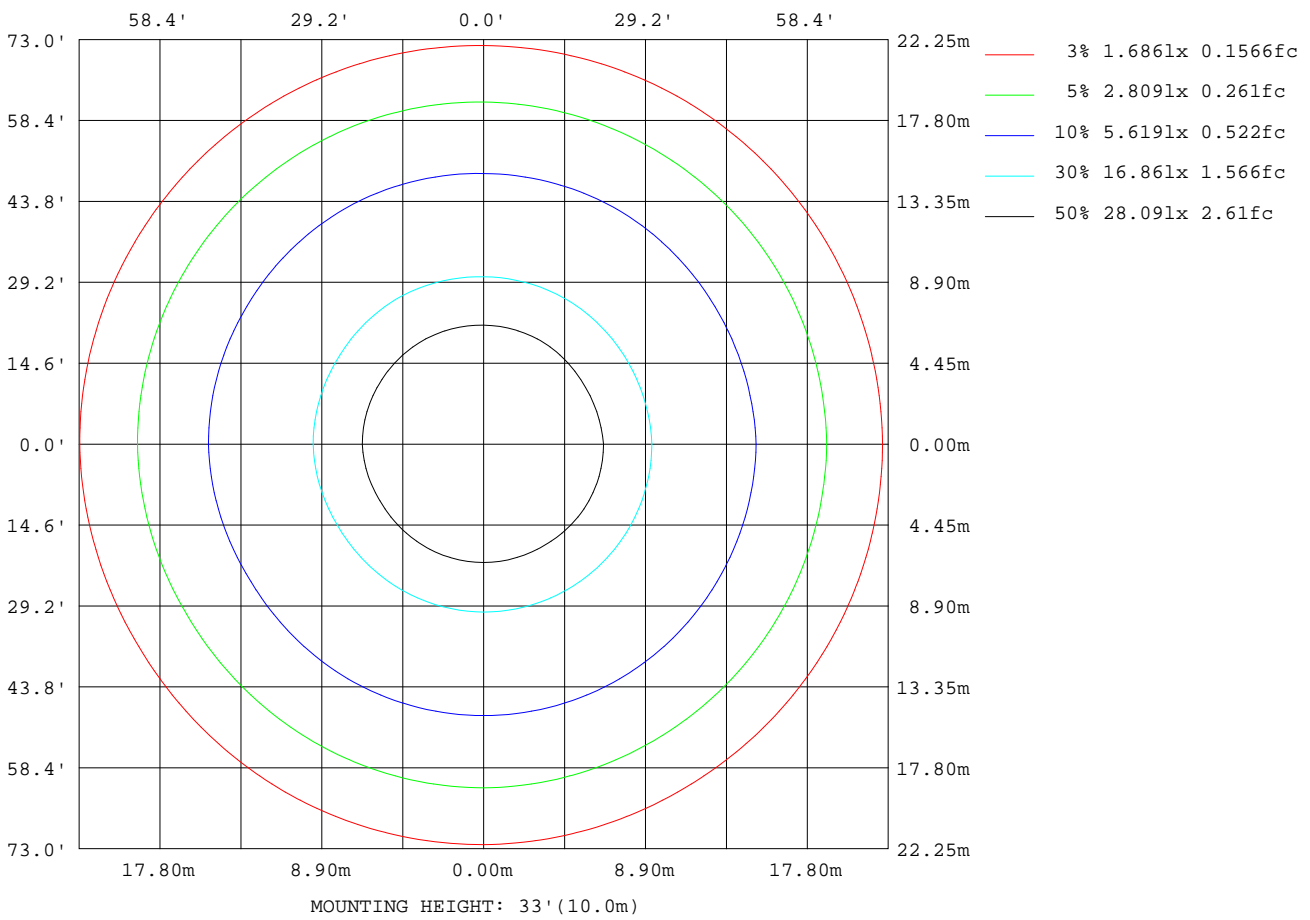


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γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity: 65.0%
 Test Distance: 10.100m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

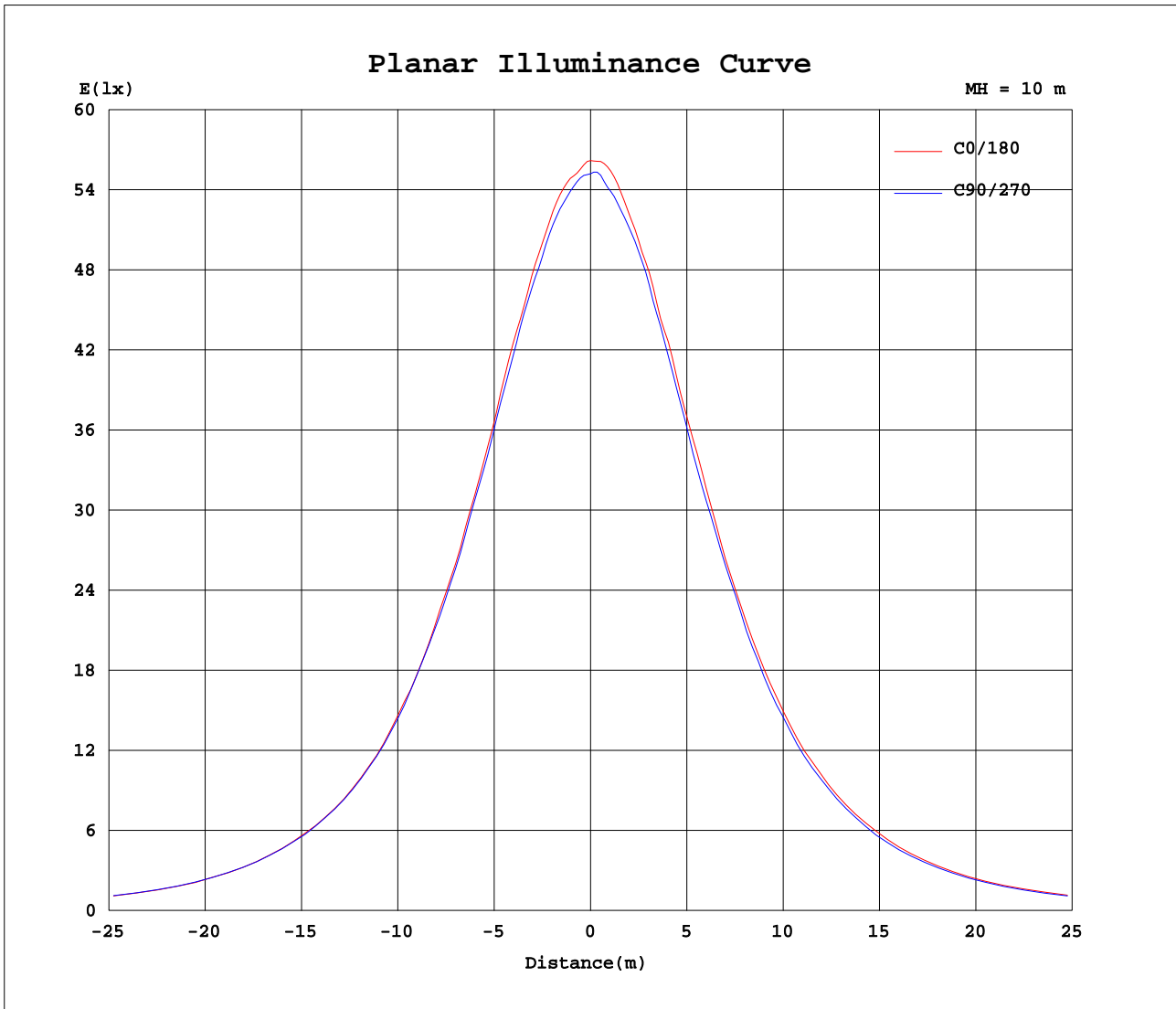
NAME: SPS1504-HL10B-182WW-5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:D110mm	Shielding Angle:



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 Remarks:

Planar Illuminance Curve

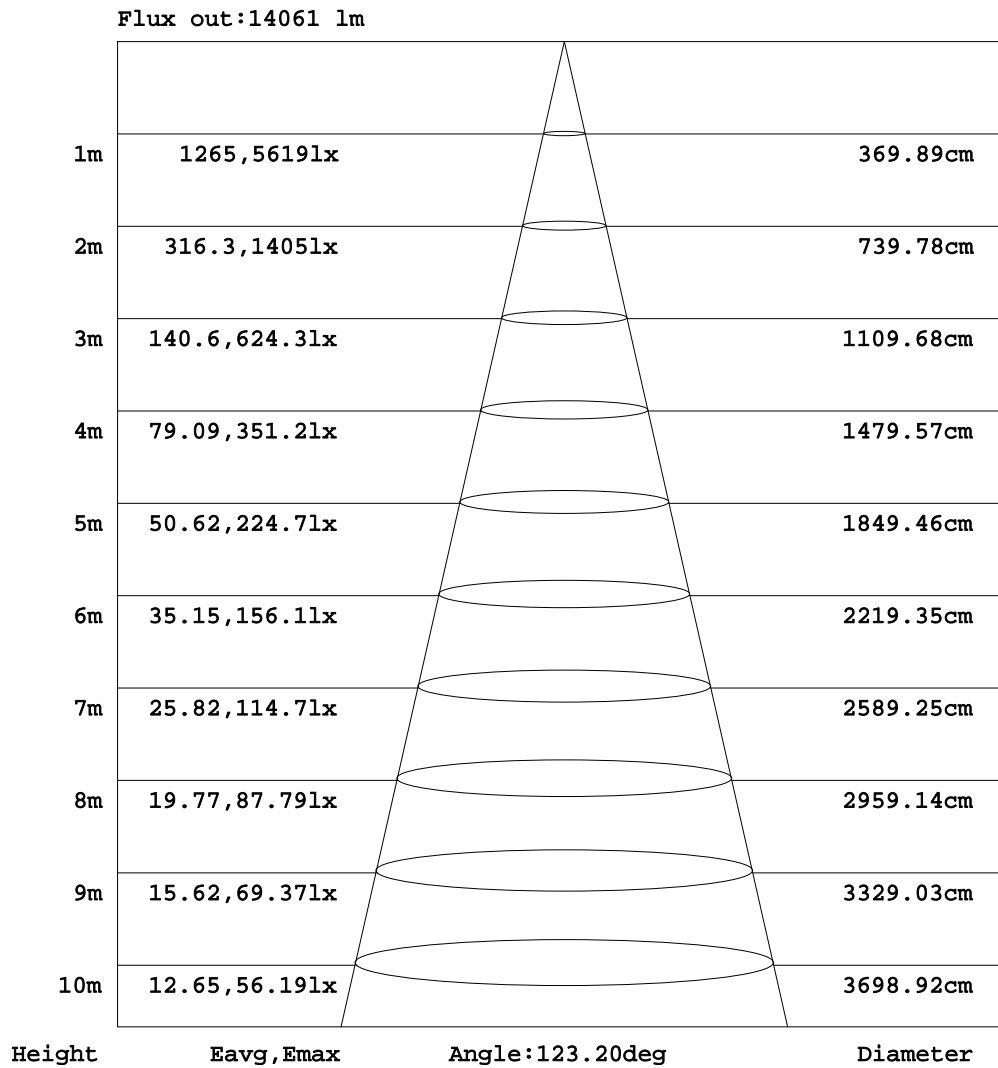


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-08-26

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 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity: 65.0%
 Test Distance: 10.100m [K=1.0000]
 Remarks:

AAI Figure

NAME: SPS1504-HL10B-182WW-5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:D110mm	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: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-08-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:10.100m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: SPS1504-HL10B-182WW-5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:D110mm	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	268	280	100	47.1	41.3	35.1	34.8	37.0	40.5	43.9	47.1	50.0	52.5	54.8	56.9	58.9	61.1	62.5	62.0
-170	268	279	102	46.1	40.8	34.3	34.3	35.6	38.8	42.0	45.0	47.8	50.3	52.3	54.0	55.7	57.3	58.8	59.7
-160	268	278	115	45.7	40.2	35.6	34.2	33.6	36.1	38.9	41.5	44.2	46.6	48.9	50.9	52.6	54.1	55.1	55.5
-150	268	277	135	45.3	37.3	34.1	32.6	32.1	32.9	35.0	37.2	39.7	42.2	44.6	46.8	48.4	49.6	50.3	50.7
-140	268	275	160	51.1	40.6	37.7	32.7	32.1	31.1	31.2	33.0	35.1	37.2	39.0	40.8	42.1	43.2	43.9	44.2
-130	268	269	207	93.9	42.6	37.5	35.2	29.5	30.6	33.8	31.1	30.5	31.8	33.1	34.3	35.3	36.0	36.5	36.7
-120	268	260	265	157	75.5	40.9	39.1	35.1	34.0	28.3	32.6	35.2	37.9	37.9	34.6	32.0	30.8	30.4	30.3
-110	268	253	266	251	174	118	66.4	47.4	53.8	55.3	52.7	45.5	37.1	34.5	35.6	34.5	33.0	32.3	32.0
-100	268	255	251	254	255	248	228	203	181	165	154	146	139	128	120	113	106	103	101
-90	268	266	264	263	261	260	259	259	260	262	263	265	267	268	269	269	270	269	269
-80	268	282	318	356	405	464	518	580	640	697	754	804	845	878	906	926	940	944	942
-70	268	319	412	540	677	823	963	1088	1194	1295	1411	1517	1615	1698	1777	1836	1878	1900	1904
-60	268	357	537	749	979	1176	1341	1547	1766	1982	2175	2359	2489	2643	2742	2834	2896	2930	2936
-50	268	399	660	961	1227	1473	1777	2080	2370	2621	2865	3067	3236	3390	3517	3602	3667	3709	3720
-40	268	449	774	1138	1437	1808	2194	2550	2861	3144	3387	3629	3832	3995	4141	4255	4340	4398	4423
-30	268	489	875	1267	1641	2101	2530	2919	3260	3570	3845	4076	4293	4484	4631	4750	4844	4897	4911
-20	268	518	951	1362	1813	2328	2790	3210	3570	3900	4174	4438	4616	4814	4980	5102	5175	5248	5270
-10	268	536	997	1426	1921	2455	2956	3399	3776	4111	4424	4670	4902	5076	5203	5264	5348	5423	5443
0	268	543	1014	1451	1962	2500	3032	3484	3884	4227	4532	4793	5074	5213	5345	5474	5562	5637	5619
10	268	536	997	1433	1930	2468	2981	3435	3807	4153	4466	4734	4985	5140	5291	5369	5469	5504	5436
20	268	518	950	1375	1832	2353	2825	3267	3631	3950	4248	4528	4735	4939	5080	5159	5238	5292	5272
30	268	489	874	1283	1670	2133	2570	3004	3359	3654	3916	4171	4392	4590	4699	4846	4887	4908	4905
40	268	449	772	1145	1473	1846	2243	2606	2959	3256	3519	3710	3909	4099	4238	4310	4377	4407	4398
50	268	400	658	959	1254	1527	1829	2136	2434	2700	2932	3154	3329	3476	3578	3646	3701	3736	3741
60	268	358	534	745	976	1200	1399	1608	1813	2017	2213	2390	2531	2651	2762	2826	2872	2901	2909
70	268	320	414	536	671	815	956	1098	1224	1327	1436	1528	1610	1680	1745	1797	1834	1857	1863
80	268	285	320	359	409	462	508	564	618	669	716	758	799	836	866	890	907	918	920
90	268	269	271	272	273	273	272	269	266	263	259	257	254	255	257	259	261	264	266
100	268	256	252	255	261	264	254	223	195	172	154	136	120	121	127	137	148	159	171
110	268	253	269	269	198	176	179	117	73.3	61.7	53.7	44.8	36.4	36.3	38.4	38.4	36.7	35.5	35.3
120	268	260	277	181	157	82.3	60.8	47.5	44.1	34.3	36.9	34.4	35.0	36.2	35.5	34.9	34.4	34.1	34.0
130	268	270	217	147	68.1	51.7	45.7	34.8	34.9	36.1	34.7	34.6	35.8	37.0	38.1	39.0	39.6	40.0	40.1
140	268	278	174	84.5	52.1	45.8	37.5	35.3	34.8	35.3	37.3	39.3	41.2	42.8	44.1	45.1	45.9	46.3	46.4
150	268	280	152	57.1	42.4	36.7	35.3	35.0	36.2	38.7	41.2	43.6	45.7	47.6	49.1	50.2	51.0	51.4	51.5
160	268	280	131	51.8	43.9	37.9	35.8	35.7	38.5	41.6	44.5	47.0	49.2	51.2	52.8	54.1	55.1	55.7	55.7
170	268	280	111	48.8	42.6	35.4	35.1	36.7	40.1	43.5	46.5	49.3	51.7	53.7	55.6	57.2	58.7	59.7	59.7
180	268	280	100	47.1	41.3	35.1	34.8	37.0	40.5	43.9	47.1	50.0	52.5	54.8	56.9	58.9	61.1	62.5	61.8

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-08-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity: 65.0%
 Test Distance: 10.100m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: SPS1504-HL10B-182WW-5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:D110mm	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	62.1	60.6	58.6	56.4	54.1	51.5	48.7	45.1	41.2	37.6	33.9	30.9	35.6	30.1	50.4	156	196	279	
-170	59.5	58.7	57.3	55.4	53.2	50.7	47.7	44.3	40.5	37.0	33.5	30.8	34.1	33.7	53.7	161	201	279	
-160	55.5	54.8	53.8	52.4	50.5	48.1	45.2	41.9	38.7	35.4	32.3	31.2	32.4	40.2	60.7	173	212	279	
-150	50.6	50.1	49.2	47.8	45.9	43.7	41.1	38.5	35.8	33.0	30.7	31.3	33.3	34.4	86.7	176	228	279	
-140	44.0	43.5	42.7	41.4	40.0	38.3	36.4	34.3	32.3	30.6	30.3	30.6	41.4	54.7	131	167	244	279	
-130	36.7	36.3	35.7	34.9	33.9	32.8	31.6	30.6	30.4	29.4	30.5	40.5	48.6	101	173	175	253	279	
-120	30.3	30.3	30.4	30.8	32.3	33.0	32.2	32.1	29.8	38.3	38.6	66.5	120	173	167	217	261	279	
-110	31.2	30.7	30.8	31.1	31.1	37.3	43.2	61.4	76.5	110	150	175	167	177	224	256	267	279	
-100	111	122	134	144	152	161	168	174	180	197	220	251	264	264	262	266	271	279	
-90	264	260	256	251	248	245	247	249	253	256	260	264	267	270	272	274	277	279	
-80	928	907	879	844	803	759	717	668	614	564	510	451	403	361	327	298	276	279	
-70	1887	1853	1800	1727	1630	1543	1450	1346	1251	1151	1040	897	739	596	461	361	296	279	
-60	2916	2875	2815	2725	2596	2466	2316	2138	1937	1719	1518	1309	1120	894	658	454	322	279	
-50	3703	3661	3595	3509	3385	3248	3068	2848	2608	2343	2053	1722	1430	1155	862	574	351	279	
-40	4408	4373	4277	4142	4041	3828	3626	3411	3155	2853	2521	2150	1735	1372	1044	677	382	279	
-30	4898	4848	4749	4650	4490	4343	4103	3837	3551	3249	2886	2479	2039	1572	1165	766	412	279	
-20	5240	5194	5134	5022	4868	4689	4456	4180	3847	3511	3161	2720	2244	1719	1256	836	437	279	
-10	5462	5429	5354	5253	5078	4903	4669	4375	4035	3682	3317	2880	2370	1828	1320	880	452	279	
0	5568	5555	5464	5342	5210	4983	4727	4451	4131	3747	3363	2940	2419	1872	1339	893	457	279	
10	5430	5354	5264	5168	4984	4816	4598	4323	4000	3662	3296	2874	2366	1828	1318	882	453	279	
20	5235	5178	5076	4909	4771	4577	4355	4091	3786	3484	3137	2720	2232	1716	1256	840	439	279	
30	4887	4844	4750	4613	4416	4254	4018	3762	3517	3198	2871	2466	2025	1562	1167	775	415	279	
40	4377	4332	4227	4116	3978	3774	3604	3360	3114	2831	2502	2126	1731	1362	1047	691	385	279	
50	3723	3679	3605	3503	3364	3203	3021	2823	2587	2327	2031	1717	1420	1159	876	590	354	279	
60	2888	2845	2781	2681	2571	2452	2305	2125	1934	1722	1509	1308	1126	911	684	468	323	279	
70	1853	1827	1785	1730	1660	1574	1477	1379	1277	1173	1056	921	775	629	482	368	297	279	
80	914	899	878	851	817	780	742	703	658	610	553	484	426	374	331	300	279	279	
90	264	263	261	259	258	256	259	261	263	266	269	272	274	275	276	277	278	279	
100	171	170	165	157	145	133	130	136	149	164	186	224	243	256	263	268	272	279	
110	35.5	36.8	38.7	38.8	36.4	34.0	39.3	56.4	74.2	122	171	171	157	169	211	253	268	279	
120	34.0	34.2	34.7	36.1	38.8	38.5	33.8	34.5	31.4	41.6	37.6	68.0	138	169	165	209	262	279	
130	40.0	39.6	39.0	38.2	37.1	36.0	34.8	33.9	35.6	32.5	34.5	42.5	46.7	110	168	170	253	279	
140	46.3	45.8	45.1	44.0	42.8	41.2	39.4	37.4	35.3	33.3	34.2	35.1	42.8	54.8	142	166	242	279	
150	51.3	50.8	50.0	48.8	47.3	45.6	43.4	41.0	38.3	35.4	32.8	34.0	35.7	35.4	90.2	173	225	279	
160	55.4	54.8	53.6	52.2	50.5	48.6	46.3	43.5	40.5	37.1	33.9	32.9	34.4	40.8	61.9	171	210	279	
170	59.1	57.7	56.1	54.6	52.7	50.6	48.0	45.0	41.5	38.0	34.3	31.5	34.8	33.7	54.0	161	200	279	
180	62.1	60.6	58.6	56.4	54.1	51.5	48.7	45.1	41.2	37.6	33.9	30.9	35.6	30.1	50.4	156	196	279	

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-08-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity: 65.0%
 Test Distance: 10.100m [K=1.0000]
 Remarks: