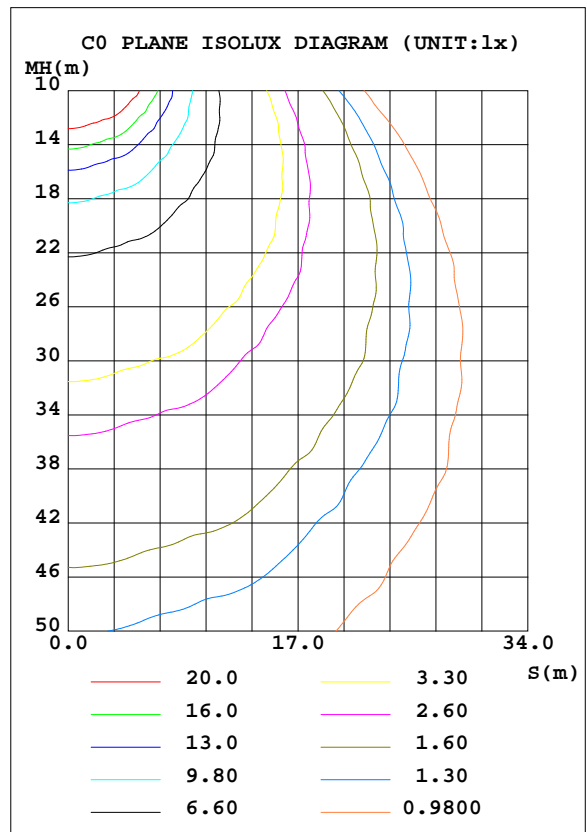
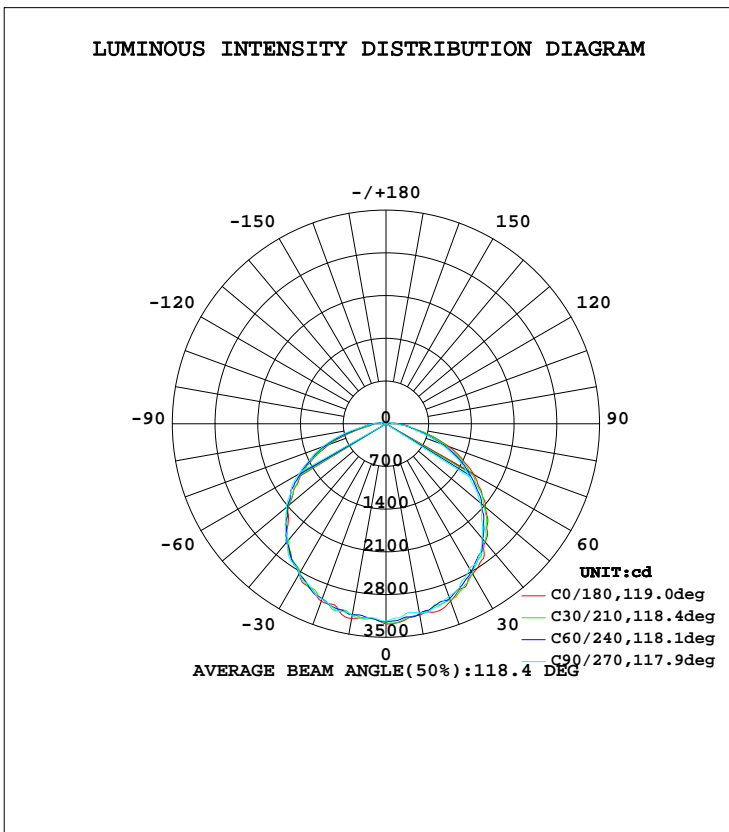


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.2V I:0.3533A P:79.80W PF:0.9813 Lamp Flux:114.334x90 lm		
NAME: SPS804-HL10B-90NW-5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:D110mm	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 128.94 lm/W			
MODEL		I _{max} (cd)	3282	S/MH(C0/180)	1.29
NOMINAL POWER(W)	80	LOR(%)	100.0	S/MH(C90/270)	1.31
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	10290	η UP, DN(C0-180)	1.3, 47.9
NOMINAL FLUX(lm)	114.334	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.4, 49.4
LAMPS INSIDE	90	η up(%)	2.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	η down(%)	97.3	CIBSE SHR MAX	1.35



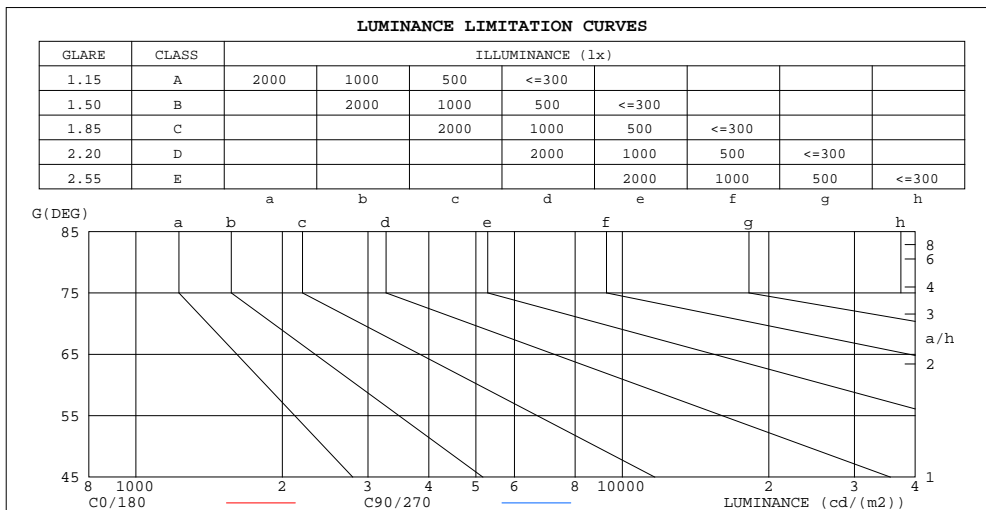
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2016-05-09

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:

ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	3184	3161	3147	3134	3239	3172	3194	3149	0- 10	303.5	303.5	2.95,2.95
20	3095	3059	3015	3022	3095	3054	3058	3041	10- 20	882.4	1186	11.5,11.5
30	2847	2813	2737	2776	2834	2835	2838	2834	20- 30	1357	2543	24.7,24.7
40	2536	2492	2449	2400	2518	2519	2526	2554	30- 40	1672	4215	41,41
50	2119	2074	2017	2005	2074	2104	2130	2149	40- 50	1771	5986	58.2,58.2
60	1655	1567	1516	1501	1560	1595	1640	1656	50- 60	1644	7630	74.1,74.1
70	1096	1011	945.7	929.1	996.2	1038	1110	1094	60- 70	1296	8926	86.7,86.7
80	459.3	441.8	446.7	411.6	366.3	434.6	488.9	482.8	70- 80	761.0	9687	94.1,94.1
90	207.1	192.3	192.2	187.8	200.8	198.2	211.1	205.3	80- 90	327.9	10015	97.3,97.3
100	62.74	65.36	112.1	40.46	33.31	98.46	73.03	75.38	90-100	133.5	10148	98.6,98.6
110	17.62	17.25	16.81	15.84	18.41	19.20	19.61	19.69	100-110	45.07	10193	99.1,99.1
120	16.12	16.57	17.13	16.98	19.21	18.54	17.86	17.72	110-120	16.47	10210	99.2,99.2
130	20.42	20.75	21.15	21.08	23.32	22.62	22.04	21.95	120-130	17.55	10227	99.4,99.4
140	24.99	25.22	25.51	25.44	27.25	26.53	25.93	25.92	130-140	18.37	10246	99.6,99.6
150	28.97	29.17	29.39	29.18	30.44	29.80	29.33	29.14	140-150	17.36	10263	99.7,99.7
160	32.13	32.29	32.36	32.10	33.04	32.53	32.13	31.86	150-160	14.25	10277	99.9,99.9
170	34.73	34.81	34.77	34.42	35.43	34.98	34.67	34.41	160-170	9.470	10287	100,100
180	36.34	36.26	36.14	35.75	36.50	36.25	36.05	35.78	170-180	3.373	10290	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	411396	342384
80	278409	270809
75	316687	262137
70	337368	291053
65	346509	307998
60	348382	319069
55	348962	320470
50	346948	330352
45	349065	330154

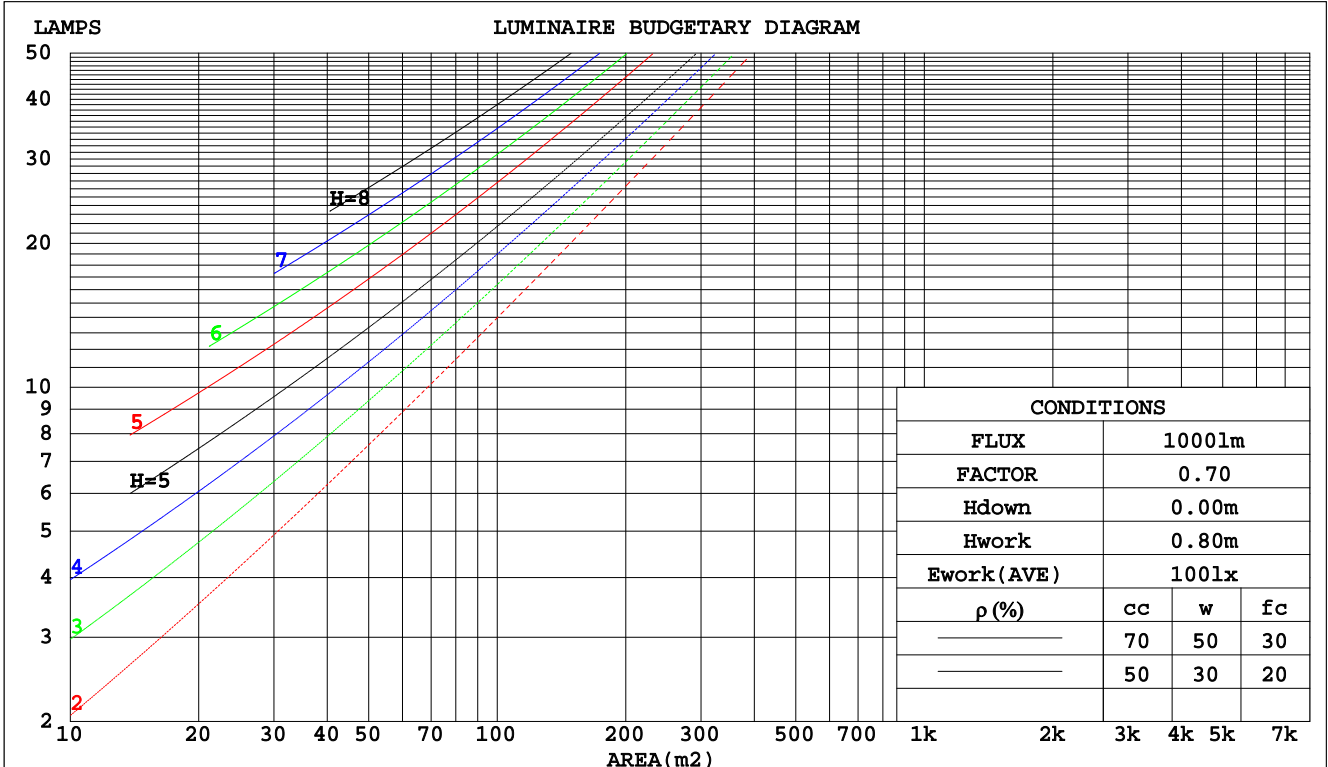
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2016-05-09

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.2V I:0.3533A P:79.80W PF:0.9813 Lamp Flux:114.334x90 lm		
NAME: SPS804-HL10B-90NW-5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:D110mm	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.04	1.04	1.04	.00	.00	.00	.97
1.0	1.02	.98	.94	.00	.96	.92	.95	.92	.88	.91	.88	.85	.87	.84	.82	.80
2.0	.89	.82	.76	.87	.80	.74	.82	.77	.72	.79	.74	.70	.75	.72	.68	.66
3.0	.78	.69	.62	.76	.68	.62	.72	.66	.60	.69	.64	.59	.66	.61	.57	.55
4.0	.68	.59	.52	.67	.58	.52	.64	.57	.51	.61	.55	.50	.59	.53	.49	.47
5.0	.61	.52	.45	.60	.51	.45	.57	.50	.44	.55	.48	.43	.53	.47	.42	.40
6.0	.55	.46	.39	.54	.45	.39	.52	.44	.38	.50	.43	.38	.48	.42	.37	.35
7.0	.50	.41	.34	.49	.40	.34	.47	.39	.34	.45	.38	.33	.44	.37	.33	.31
8.0	.45	.36	.31	.44	.36	.30	.43	.35	.30	.41	.35	.30	.40	.34	.29	.27
9.0	.41	.33	.27	.41	.33	.27	.39	.32	.27	.38	.31	.27	.37	.31	.26	.24
10.0	.38	.30	.25	.37	.30	.25	.36	.29	.24	.35	.29	.24	.34	.28	.24	.22



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2016-05-09

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:

WEC AND CCEC

Test:U:230.2V I:0.3533A P:79.80W PF:0.9813 Lamp Flux:114.334x90 lm									
NAME: SPS804-HL10B-90NW-5					TYPE:			WEIGHT:	
SPEC.:					DIM.:			SERIAL No.:	
MFR.:					SUR.:D110mm			PROTECTION ANGLE:	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.328	.187	.059	.320	.183	.058	.305	.175	.056	.292	.168	.054	.279	.162	.052	
2.0	.303	.166	.051	.296	.163	.050	.282	.157	.049	.270	.152	.047	.259	.146	.046	
3.0	.278	.148	.044	.271	.145	.044	.260	.141	.043	.249	.136	.042	.239	.132	.041	
4.0	.255	.132	.039	.249	.130	.039	.239	.127	.038	.229	.123	.037	.220	.120	.036	
5.0	.235	.120	.035	.230	.118	.034	.220	.115	.034	.212	.112	.033	.203	.109	.033	
6.0	.217	.109	.031	.213	.107	.031	.204	.105	.030	.196	.102	.030	.189	.100	.030	
7.0	.202	.100	.028	.198	.098	.028	.190	.096	.028	.183	.094	.027	.176	.092	.027	
8.0	.188	.092	.026	.184	.091	.026	.178	.089	.025	.171	.087	.025	.165	.085	.025	
9.0	.176	.085	.024	.173	.084	.024	.166	.082	.023	.161	.081	.023	.155	.079	.023	
10.0	.165	.079	.022	.162	.078	.022	.157	.077	.022	.151	.075	.021	.146	.074	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.211	.211	.211	.180	.180	.180	.123	.123	.123	.071	.071	.071	.023	.023	.023	
1.0	.202	.177	.153	.173	.152	.132	.118	.104	.091	.068	.060	.053	.022	.019	.017	
2.0	.194	.153	.117	.166	.131	.101	.114	.091	.071	.066	.053	.041	.021	.017	.014	
3.0	.187	.135	.094	.160	.117	.082	.110	.081	.057	.063	.047	.034	.020	.015	.011	
4.0	.179	.122	.078	.154	.105	.068	.106	.073	.048	.061	.043	.028	.020	.014	.009	
5.0	.172	.112	.067	.147	.097	.059	.102	.068	.041	.059	.040	.025	.019	.013	.008	
6.0	.164	.103	.060	.141	.090	.052	.098	.063	.037	.057	.037	.022	.018	.012	.007	
7.0	.158	.097	.054	.136	.084	.047	.094	.059	.033	.054	.035	.020	.018	.011	.007	
8.0	.151	.091	.050	.130	.079	.043	.090	.055	.031	.052	.033	.018	.017	.011	.006	
9.0	.145	.086	.046	.125	.075	.040	.086	.052	.029	.050	.031	.017	.016	.010	.006	
10.0	.139	.082	.043	.120	.071	.038	.083	.050	.027	.049	.029	.016	.016	.010	.005	

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2016-05-09

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:

UGR(Unified Glare Rating) Table

Test:U:230.2V I:0.3533A P:79.80W PF:0.9813 Lamp Flux:114.334x90 lm										
NAME: SPS804-HL10B-90NW-5					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					SUR.:D110mm			PROTECTION ANGLE:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	33.2	34.7	33.5	34.9	35.2	32.8	34.3	33.1	34.6	34.9
3H	34.9	36.3	35.2	36.6	36.9	34.4	35.8	34.7	36.1	36.3
4H	35.6	36.9	35.9	37.2	37.5	34.9	36.3	35.3	36.6	36.9
6H	36.0	37.3	36.4	37.6	38.0	35.4	36.6	35.8	37.0	37.3
8H	36.2	37.5	36.6	37.8	38.1	35.7	36.9	36.0	37.2	37.6
12H	36.5	37.7	36.9	38.0	38.4	35.9	37.1	36.3	37.4	37.8
4H 2H	33.8	35.1	34.1	35.4	35.7	33.5	34.8	33.9	35.1	35.5
3H	35.7	36.8	36.0	37.2	37.5	35.2	36.4	35.6	36.7	37.1
4H	36.5	37.6	36.9	37.9	38.3	35.9	37.0	36.3	37.3	37.7
6H	37.1	38.0	37.5	38.4	38.9	36.5	37.4	36.9	37.8	38.3
8H	37.3	38.2	37.8	38.7	39.1	36.8	37.7	37.3	38.1	38.6
12H	37.7	38.5	38.1	38.9	39.4	37.2	38.0	37.6	38.4	38.9
8H 4H	36.7	37.6	37.2	38.0	38.5	36.2	37.1	36.7	37.5	38.0
6H	37.5	38.2	38.0	38.7	39.2	36.9	37.7	37.4	38.1	38.6
8H	37.9	38.5	38.4	39.0	39.5	37.4	38.1	37.9	38.6	39.1
12H	38.3	38.9	38.9	39.4	39.9	37.9	38.5	38.4	39.0	39.5
12H 4H	36.7	37.5	37.2	38.0	38.4	36.2	37.1	36.7	37.5	38.0
6H	37.6	38.2	38.1	38.7	39.2	37.0	37.7	37.5	38.2	38.7
8H	38.0	38.6	38.5	39.1	39.6	37.6	38.2	38.1	38.7	39.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 10290 lm Total Lamp Luminous Flux. (8log(F/F0) = 8.1)

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2016-05-09

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:

UTILIZATION FACTORS TABLE

Test:U:230.2V I:0.3533A P:79.80W PF:0.9813 Lamp Flux:114.334x90 lm		
NAME: SPS804-HL10B-90NW-5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:D110mm	PROTECTION ANGLE:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	55	43	36	54	43	36	53	43	36	29
0.80	65	53	46	64	53	45	62	52	45	38
1.00	74	62	54	72	61	54	70	63	53	46
1.25	81	70	62	79	69	62	76	67	61	53
1.50	86	75	68	84	74	67	81	72	66	58
2.00	93	84	77	91	82	76	87	80	74	66
2.50	97	89	82	95	87	81	90	84	79	70
3.00	100	93	87	98	91	86	93	88	83	74
4.00	104	98	93	102	96	92	97	93	89	79
5.00	107	102	97	104	100	96	99	96	92	82
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2016-05-09

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

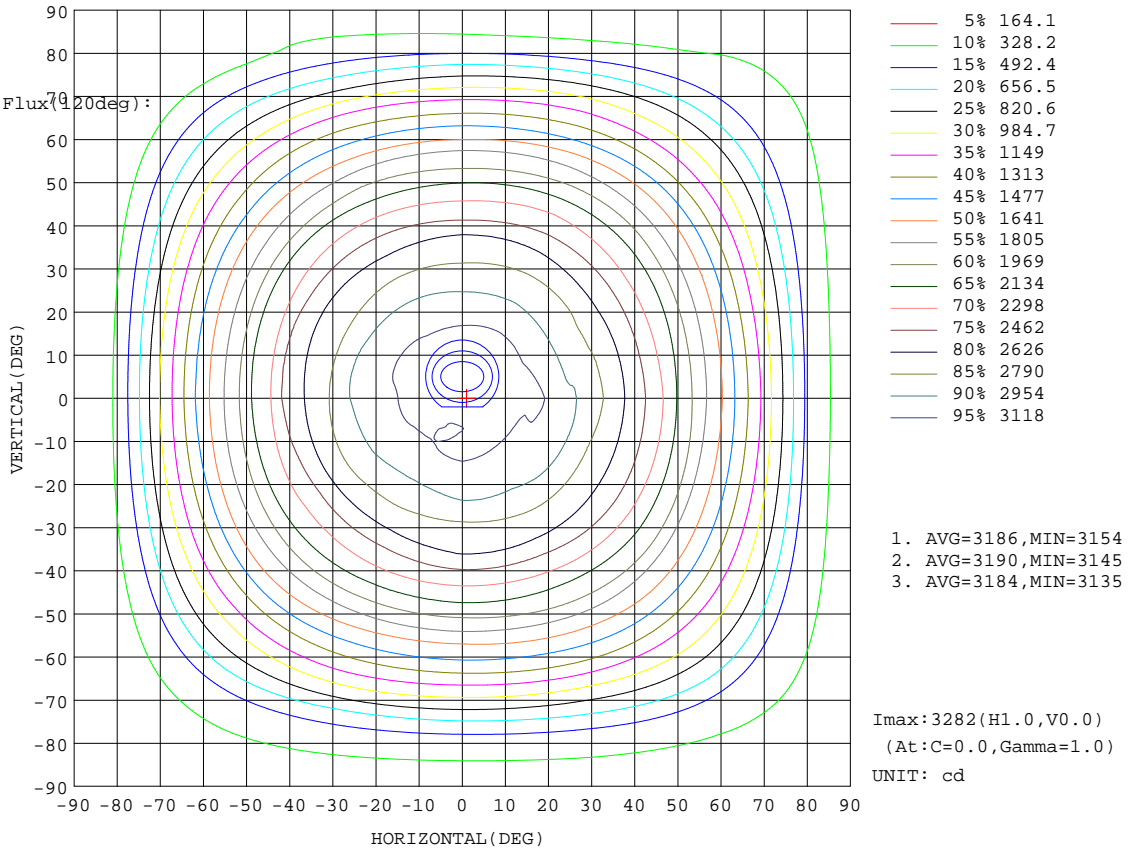
Test:U:230.2V I:0.3533A P:79.80W PF:0.9813 Lamp Flux:114.334x90 lm		
NAME: SPS804-HL10B-90NW-5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:D110mm	PROTECTION ANGLE:

Conical surface Flux(90deg):

5102 lm
%lum = 49.6%
%lamp = 49.6%

Conical surface Flux(70deg):

7629.9 lm
%lum = 74.1%
%lamp = 74.1%

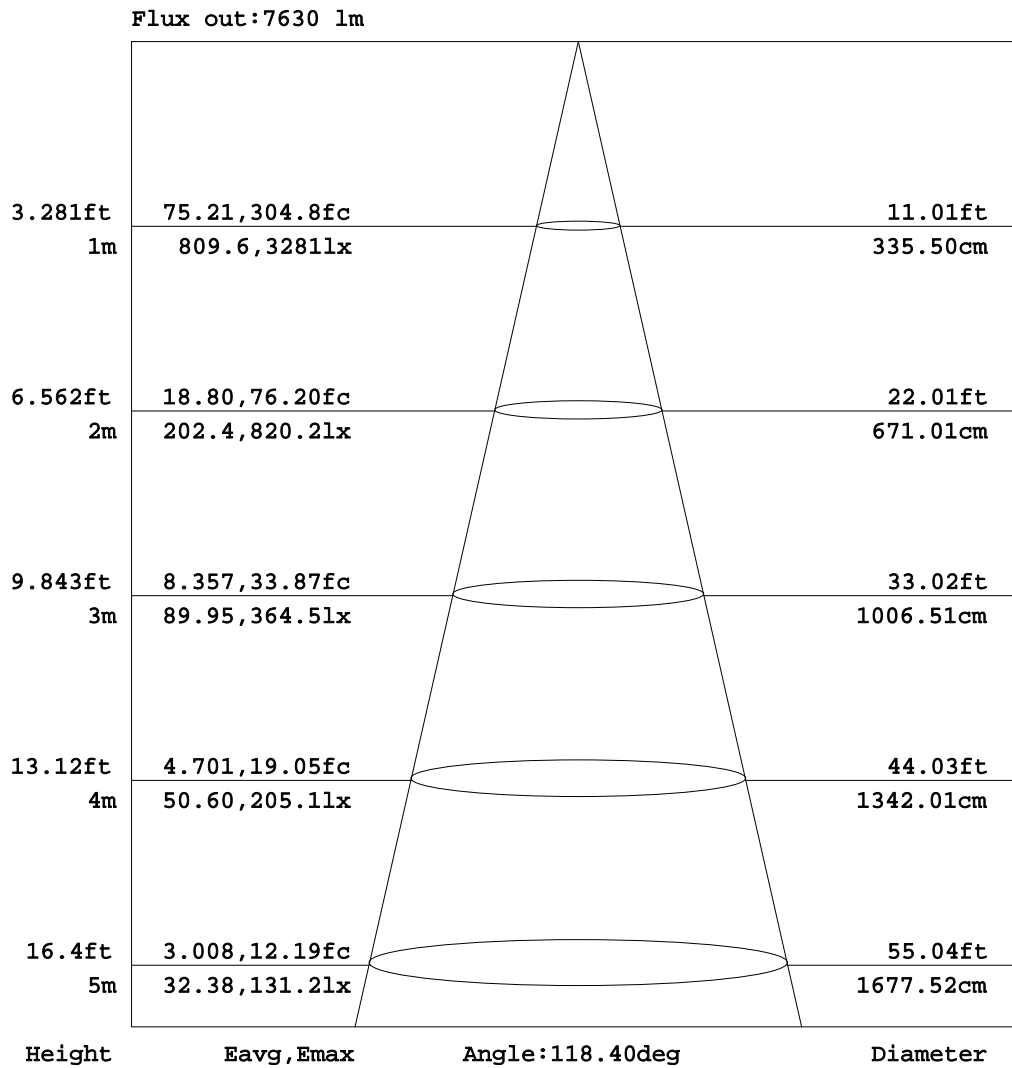


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2016-05-09

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:

AAI Figure

Test:U:230.2V I:0.3533A P:79.80W PF:0.9813 Lamp Flux:114.334x90 lm		
NAME: SPS804-HL10B-90NW-5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:D110mm	PROTECTION ANGLE:



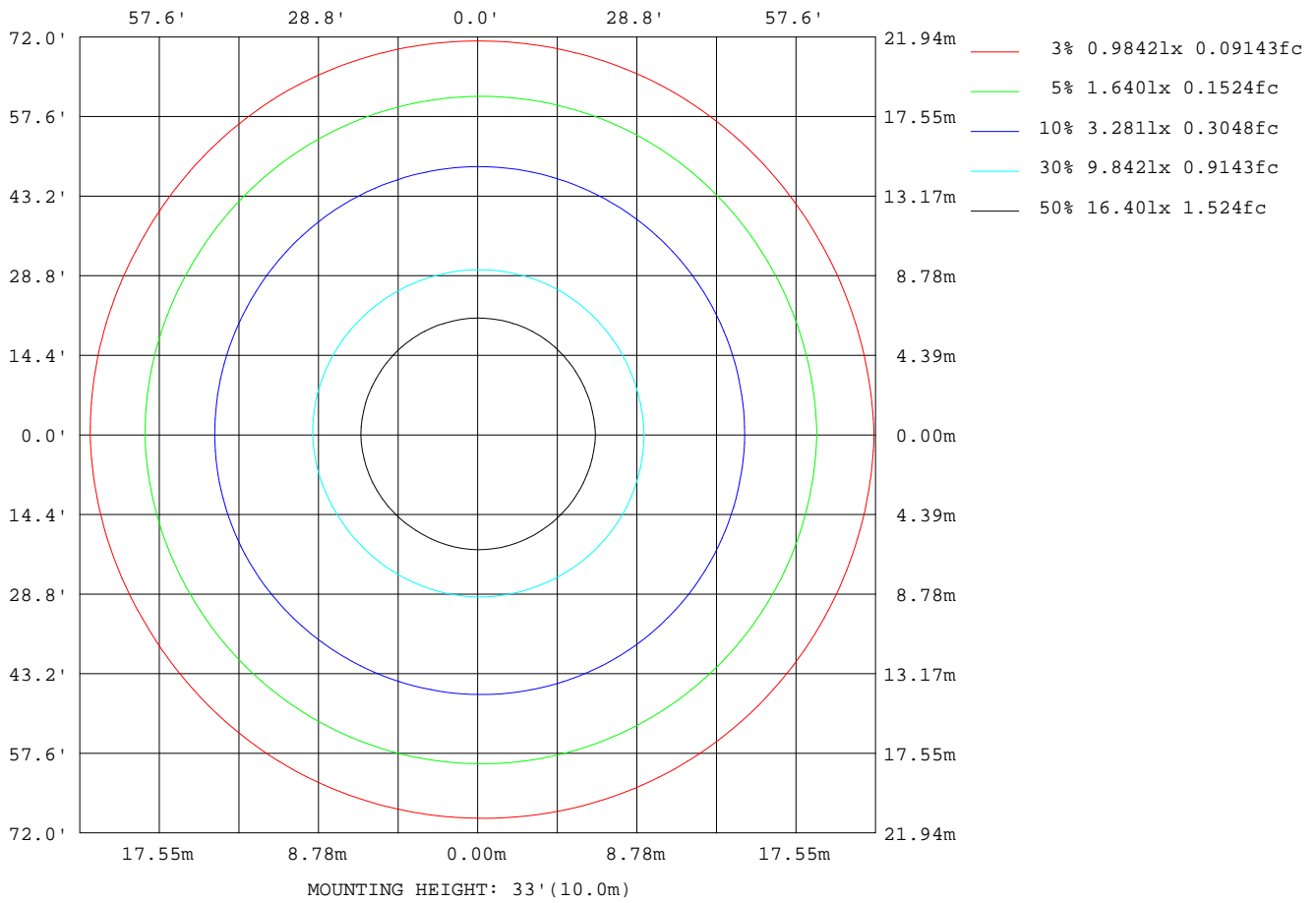
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2016-05-09

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

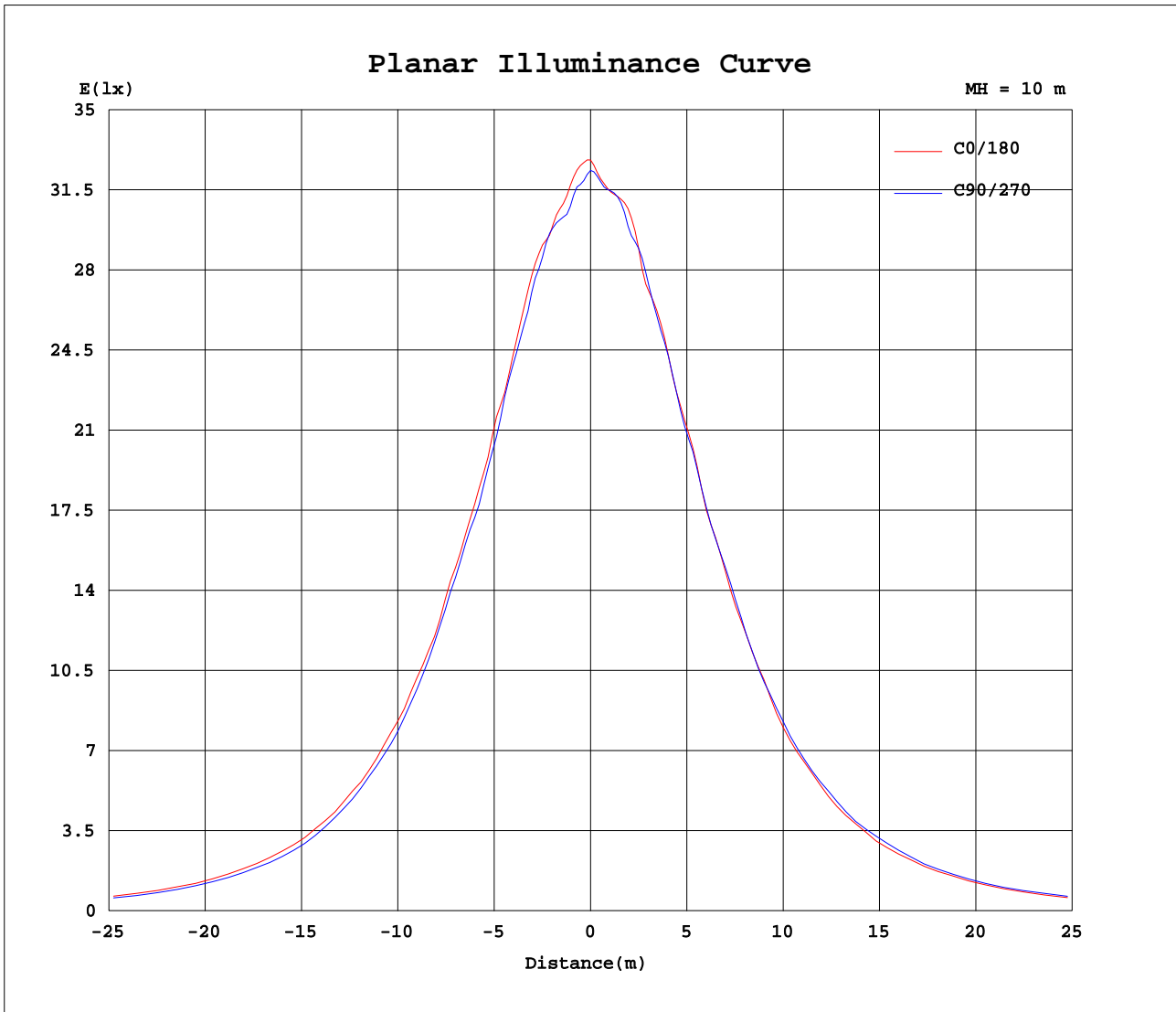
Test:U:230.2V I:0.3533A P:79.80W PF:0.9813 Lamp Flux:114.334x90 lm		
NAME: SPS804-HL10B-90NW-5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:D110mm	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2016-05-09

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:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2016-05-09

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

Test:U:230.2V I:0.3533A P:79.80W PF:0.9813 Lamp Flux:114.334x90 lm		
NAME: SPS804-HL10B-90NW-5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:D110mm	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	3281	3275	3269	3264	3258	3252	3247	3243	3239	3235	3230	3224	3220	3214	3212	3216	3237	3261	3281
5	3243	3236	3228	3221	3213	3205	3196	3185	3173	3162	3151	3142	3134	3127	3125	3129	3148	3171	3193
10	3184	3174	3166	3161	3161	3162	3163	3160	3155	3147	3130	3115	3107	3122	3145	3172	3201	3225	3239
15	3187	3136	3098	3075	3071	3077	3088	3098	3107	3114	3109	3102	3093	3086	3081	3080	3087	3098	3113
20	3095	3087	3078	3070	3063	3055	3047	3036	3025	3015	3004	2998	2997	3012	3032	3054	3072	3087	3095
25	2969	2980	2984	2980	2966	2948	2928	2915	2903	2892	2875	2862	2857	2873	2896	2921	2940	2955	2965
30	2847	2845	2840	2832	2821	2806	2790	2769	2750	2737	2739	2747	2759	2770	2782	2795	2810	2824	2834
35	2730	2711	2694	2677	2661	2647	2638	2642	2647	2651	2636	2620	2607	2608	2616	2630	2653	2677	2697
40	2536	2533	2527	2518	2501	2483	2466	2460	2455	2449	2432	2415	2401	2397	2402	2415	2450	2487	2518
45	2345	2341	2333	2322	2305	2285	2265	2247	2230	2218	2212	2211	2213	2221	2230	2241	2249	2258	2267
50	2119	2118	2112	2102	2084	2064	2045	2034	2025	2017	2006	1996	1992	1999	2011	2026	2042	2059	2074
55	1901	1893	1881	1866	1846	1824	1801	1780	1761	1746	1737	1734	1736	1746	1760	1776	1793	1809	1823
60	1655	1630	1609	1589	1574	1560	1548	1536	1526	1516	1503	1493	1488	1495	1507	1521	1534	1547	1560
65	1391	1372	1353	1336	1320	1305	1290	1270	1252	1237	1231	1229	1229	1225	1225	1229	1246	1267	1285
70	1096	1084	1068	1049	1024	998	974	961	951	946	944	944	944	933	925	923	944	971	996
75	779	776	767	754	730	704	680	665	654	645	633	624	618	624	633	642	642	643	647
80	459	459	457	453	446	438	433	437	442	447	443	436	427	417	406	395	382	372	366
85	341	320	305	295	293	294	295	292	288	283	283	282	280	270	260	250	242	238	240
90	207	199	194	191	191	193	195	194	193	192	194	197	197	191	185	180	186	194	201
95	122	116	111	106	99.8	94.8	91.7	94.0	97.7	102	103	104	103	99.1	94.7	90.9	89.9	90.7	93.6
100	62.7	84.7	96.2	97.3	76.7	54.1	37.9	61.9	90.2	112	90.6	61.4	33.8	36.3	44.6	53.5	44.5	36.1	33.3
105	29.6	42.8	50.8	53.5	46.6	37.7	30.0	34.3	40.3	45.3	40.3	33.8	27.8	29.5	32.4	34.8	30.2	25.9	24.0
110	17.6	17.6	17.5	17.5	17.3	17.2	17.0	17.0	16.9	16.8	16.6	16.3	16.1	15.9	15.8	15.9	16.7	17.6	18.4
115	15.0	14.9	14.8	14.7	14.7	14.7	14.7	14.7	14.8	14.9	14.9	14.9	14.9	14.8	14.7	14.8	15.5	16.3	17.0
120	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.9	17.0	17.1	17.2	17.2	17.2	17.0	16.9	17.0	17.7	18.5	19.2
125	18.3	18.3	18.4	18.4	18.5	18.5	18.6	18.7	18.8	18.9	19.0	19.0	19.0	18.9	18.8	18.9	19.6	20.4	21.1
130	20.4	20.5	20.6	20.6	20.7	20.8	20.9	21.0	21.1	21.2	21.2	21.3	21.3	21.1	21.0	21.1	21.8	22.6	23.3
135	22.7	22.8	22.8	22.9	23.0	23.0	23.1	23.2	23.2	23.3	23.4	23.4	23.5	23.3	23.2	23.3	24.0	24.7	25.4
140	25.0	25.0	25.1	25.1	25.2	25.2	25.3	25.4	25.4	25.5	25.6	25.6	25.6	25.5	25.4	25.4	26.0	26.7	27.2
145	27.2	27.2	27.3	27.3	27.4	27.4	27.5	27.5	27.6	27.7	27.7	27.7	27.7	27.6	27.5	27.5	28.0	28.5	28.9
150	29.0	29.0	29.1	29.1	29.2	29.2	29.2	29.3	29.3	29.4	29.4	29.4	29.3	29.2	29.1	29.2	29.6	30.1	30.4
155	30.6	30.7	30.7	30.7	30.8	30.8	30.8	30.9	30.9	31.0	30.9	30.9	30.9	30.7	30.7	30.7	31.1	31.5	31.8
160	32.1	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.4	32.3	32.3	32.2	32.1	32.1	32.1	32.4	32.8	33.0
165	33.5	33.6	33.7	33.7	33.7	33.6	33.6	33.6	33.6	33.6	33.6	33.5	33.5	33.4	33.3	33.4	33.7	34.0	34.2
170	34.7	34.8	34.9	34.9	34.9	34.8	34.7	34.7	34.8	34.8	34.7	34.6	34.5	34.4	34.4	34.5	34.8	35.1	35.4
175	35.8	35.8	35.9	35.8	35.8	35.7	35.6	35.6	35.7	35.7	35.6	35.5	35.4	35.4	35.3	35.4	35.7	35.9	36.2
180	36.3	36.4	36.4	36.4	36.3	36.2	36.1	36.1	36.1	36.1	36.0	35.9	35.8	35.8	35.7	35.8	36.0	36.3	36.5

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2016-05-09

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

Test:U:230.2V I:0.3533A P:79.80W PF:0.9813 Lamp Flux:114.334x90 lm		
NAME: SPS804-HL10B-90NW-5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:D110mm	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	3280	3273	3264	3258	3252	3247	3243	3239	3235	3230	3224	3220	3214	3212	3216	3230	3251		
5	3203	3208	3208	3204	3198	3191	3191	3190	3188	3178	3169	3161	3162	3167	3178	3194	3216		
10	3222	3198	3174	3171	3173	3179	3185	3191	3194	3190	3182	3172	3156	3142	3134	3141	3158		
15	3135	3156	3170	3162	3148	3136	3143	3154	3165	3168	3167	3164	3153	3143	3138	3146	3162		
20	3087	3074	3060	3055	3052	3051	3053	3056	3058	3058	3056	3052	3044	3038	3037	3048	3068		
25	2966	2963	2959	2962	2966	2967	2959	2949	2942	2947	2953	2957	2946	2934	2926	2932	2947		
30	2833	2829	2825	2832	2839	2846	2843	2840	2838	2848	2857	2862	2844	2824	2808	2811	2824		
35	2701	2700	2697	2699	2701	2705	2714	2723	2728	2719	2707	2694	2684	2679	2678	2688	2705		
40	2513	2502	2491	2508	2529	2547	2543	2534	2526	2528	2533	2541	2550	2558	2563	2559	2550		
45	2276	2287	2297	2309	2320	2329	2333	2336	2339	2347	2353	2358	2353	2345	2338	2338	2340		
50	2084	2091	2097	2102	2106	2111	2117	2123	2130	2139	2146	2152	2151	2147	2141	2135	2127		
55	1829	1835	1843	1865	1888	1907	1907	1902	1896	1898	1901	1904	1903	1901	1900	1900	1900		
60	1567	1574	1581	1590	1600	1610	1621	1631	1640	1650	1657	1662	1659	1653	1648	1648	1650		
65	1289	1291	1295	1314	1335	1354	1358	1357	1356	1359	1363	1365	1359	1354	1352	1360	1373		
70	1003	1006	1011	1028	1048	1068	1085	1099	1110	1118	1121	1119	1103	1085	1071	1071	1080		
75	659	675	693	710	728	746	767	787	803	809	811	809	804	798	791	786	782		
80	374	388	406	425	444	462	474	483	489	489	487	484	483	482	480	475	468		
85	254	273	292	304	314	320	322	322	318	310	302	297	304	315	326	333	338		
90	198	194	191	195	201	207	209	211	211	211	211	210	207	204	201	202	204		
95	100	108	116	120	124	126	125	125	124	128	131	134	130	126	121	120	120		
100	57.5	84.9	108	104	92.9	79.6	76.4	74.5	73.0	67.3	62.6	60.6	70.1	80.6	88.6	86.0	77.4		
105	34.8	46.6	55.7	47.4	37.0	28.7	38.6	50.5	60.1	50.9	39.5	30.4	40.6	53.1	62.9	59.1	48.0		
110	18.7	18.8	18.8	19.1	19.3	19.6	19.6	19.6	19.6	19.6	19.7	19.7	19.7	19.7	19.5	19.1	18.4		
115	17.1	17.0	16.9	16.9	16.9	16.9	16.9	17.0	17.0	16.9	16.9	16.9	17.0	17.0	16.9	16.4	15.8		
120	19.2	19.0	18.8	18.6	18.5	18.3	18.2	18.0	17.9	17.7	17.7	17.6	17.7	17.7	17.7	17.3	16.8		
125	21.2	21.0	20.7	20.6	20.6	20.5	20.4	20.3	20.1	20.1	20.0	20.0	20.1	20.1	20.0	19.6	19.1		
130	23.3	23.1	22.9	22.7	22.5	22.4	22.3	22.1	22.0	22.0	21.9	21.9	21.9	22.0	21.9	21.6	21.1		
135	25.4	25.2	24.9	24.7	24.6	24.4	24.3	24.2	24.1	24.0	24.0	23.9	24.0	24.0	24.0	23.7	23.3		
140	27.2	27.0	26.8	26.6	26.5	26.3	26.2	26.0	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.7	25.4		
145	28.9	28.7	28.4	28.3	28.2	28.1	28.0	27.8	27.7	27.6	27.6	27.6	27.6	27.6	27.5	27.5	27.3		
150	30.4	30.2	30.0	29.9	29.8	29.7	29.5	29.4	29.3	29.3	29.2	29.2	29.2	29.1	29.1	29.1	29.0		
155	31.7	31.6	31.4	31.3	31.2	31.1	31.0	30.9	30.8	30.7	30.7	30.6	30.6	30.5	30.5	30.5	30.6		
160	33.0	32.8	32.7	32.6	32.5	32.4	32.3	32.2	32.1	32.1	32.0	31.9	31.9	31.8	31.8	31.9	32.0		
165	34.2	34.0	33.9	33.8	33.7	33.7	33.6	33.5	33.4	33.3	33.3	33.3	33.2	33.1	33.0	33.1	33.3		
170	35.4	35.2	35.0	35.0	35.0	35.0	34.9	34.8	34.7	34.6	34.6	34.6	34.5	34.4	34.3	34.4	34.5		
175	36.1	36.0	35.9	35.8	35.8	35.8	35.7	35.6	35.5	35.5	35.5	35.5	35.4	35.2	35.2	35.3	35.5		
180	36.5	36.4	36.2	36.2	36.3	36.3	36.2	36.1	36.0	36.0	36.0	35.9	35.8	35.7	35.7	35.8	36.0		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2016-05-09

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: