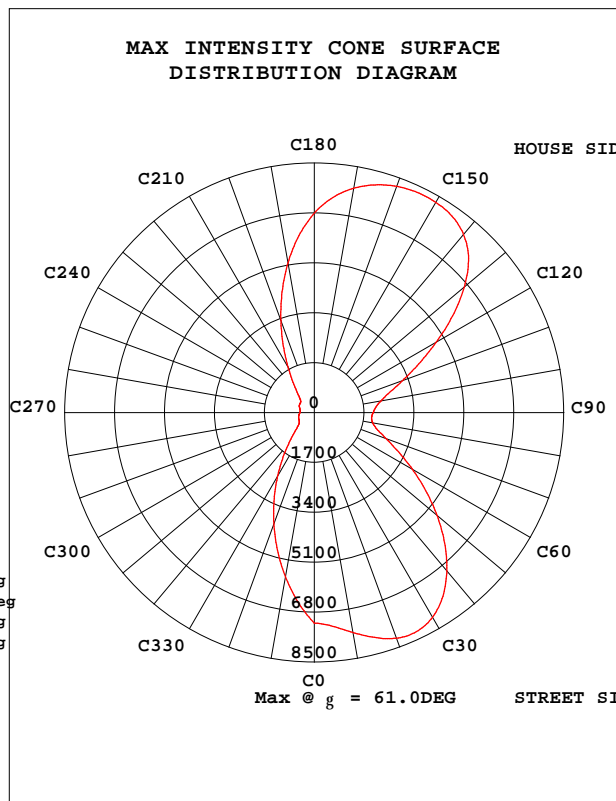
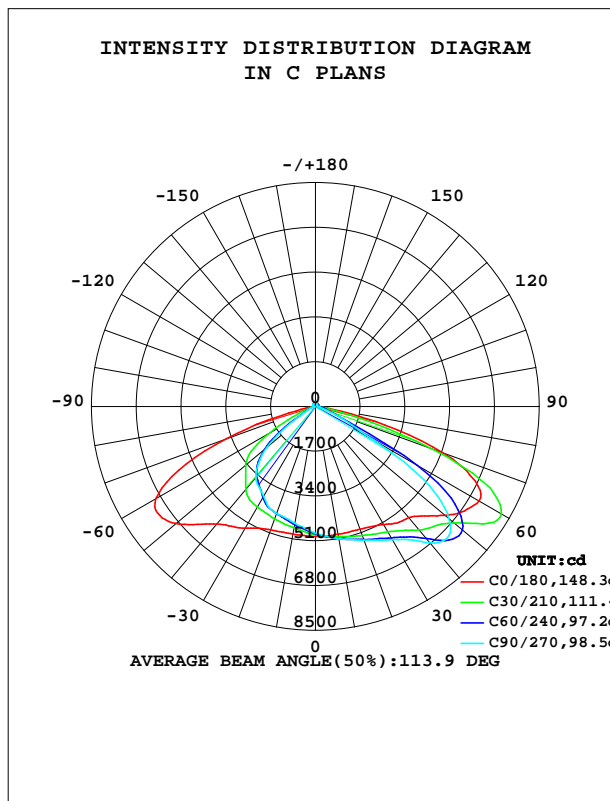


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.2V I:0.6936A P:158.2W PF:0.9907 Lamp Flux:28800x1 lm		
NAME: SL810-160	TYPE:SL	WEIGHT:
SPEC.:160W	DIM.:	SERIAL No.:20181217001
MFR.: AXLUX	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.04 lm/W			
MODEL	lumileds3030S	I _{max} (cd)	8271	h street_up(%)	1.4
NOMINAL POWER(W)	160	LOR(%)	71.4	h street_down(%)	36.8
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	20571	h house_up(%)	1.1
NOMINAL FLUX(lm)	28800	MAXIMUM @(C,g)	150,61.0	h house_down(%)	32.2
LAMPS INSIDE	1	h up(%)	2.5	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	230	h down(%)	68.9	SLI	20.621



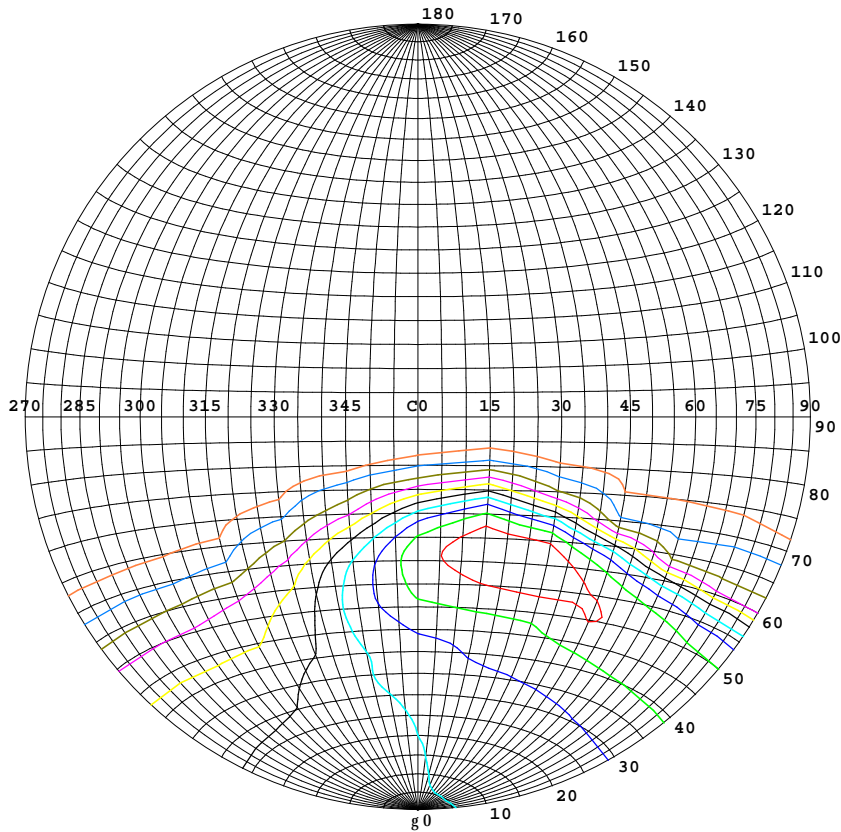
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XW
 Test Date:2018-12-03

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks: SL810-160-24S10P-lumileds3030S 5700K Ra

Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:230.2V I:0.6936A P:158.2W PF:0.9907 Lamp Flux:28800x1 lm		
NAME: SL810-160	TYPE:SL	WEIGHT:
SPEC.:160W	DIM.:	SERIAL No.:20181217001
MFR.: AXLUX	SUR.:	PROTECTION ANGLE:



Classification:

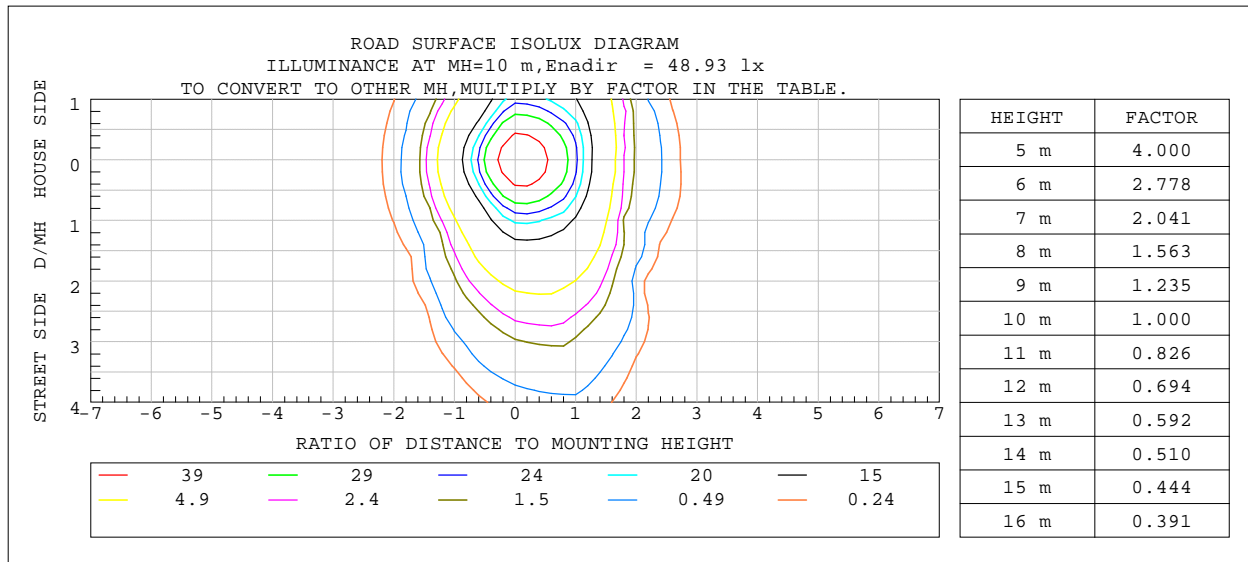
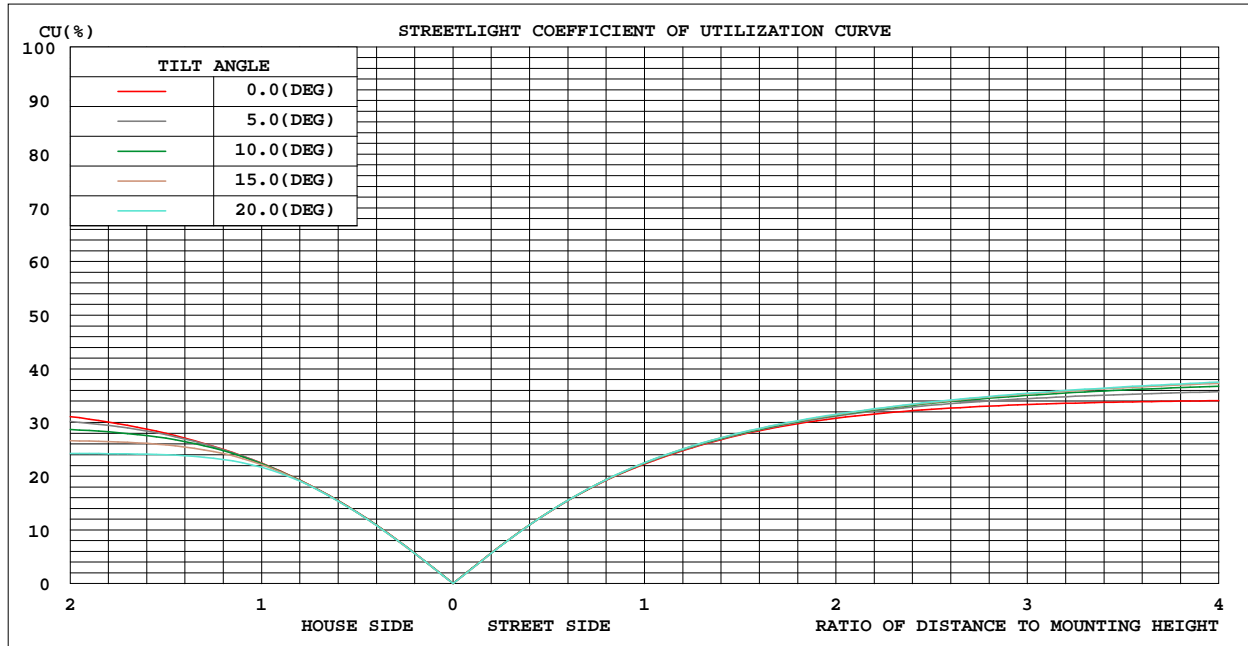
IES:Type IV - Short
 CIE:Broad - Intermediate
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:41.87cd/klm
 Max.At90:4.822cd/klm
 Max.80-90:41.87cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	8271
90%	7443
80%	6616
70%	5789
60%	4962
50%	4135
40%	3308
30%	2481
20%	1654
10%	827
5%	414

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XW
 Test Date:2018-12-03

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks: SL810-160-24S10P-lumileds3030S 5700K Ra

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:XW
Test Date:2018-12-03

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks: SL810-160-24S10P-lumileds3030S 5700K Ra

ZONAL FLUX DIAGRAM

Test:U:230.2V I:0.6936A P:158.2W PF:0.9907 Lamp Flux:28800x1 lm		
NAME: SL810-160	TYPE:SL	WEIGHT:
SPEC.:160W	DIM.:	SERIAL No.:20181217001
MFR.: AXLUX	SUR.:	PROTECTION ANGLE:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	4928	5056	5096	4961	4919	4606	4503	4575	0- 10	460.3	460.3	2.24,1.6
20	4962	5295	5400	5200	4987	4380	4322	4365	10- 20	1369	1830	8.89,6.35
30	5176	5645	5842	5568	5335	4140	3937	4146	20- 30	2271	4101	19.9,14.2
40	5510	6283	6747	6288	5826	3593	3532	3655	30- 40	3176	7277	35.4,25.3
50	6438	7470	6607	7358	6912	2775	2425	2907	40- 50	4085	11362	55.2,39.5
60	7175	6556	2475	7657	7005	835.6	593.1	1160	50- 60	4363	15725	76.4,54.6
70	5142	1015	548.4	2530	3582	279.5	198.4	300.4	60- 70	2970	18696	90.9,64.9
80	787.8	308.4	164.6	311.2	272.2	58.46	34.59	84.66	70- 80	1003	19698	95.8,68.4
90	133.3	135.0	108.2	126.0	58.13	51.59	45.05	61.46	80- 90	155.4	19854	96.5,68.9
100	147.2	127.6	97.09	122.9	74.59	71.00	67.12	78.87	90-100	102.0	19956	97,69.3
110	148.9	125.6	94.61	116.9	86.13	84.53	88.02	91.43	100-110	108.0	20064	97.5,69.7
120	142.1	124.9	94.85	110.7	95.62	95.79	102.0	102.2	110-120	105.3	20169	98,70
130	138.8	127.2	99.40	105.2	106.2	103.6	114.5	111.8	120-130	98.40	20267	98.5,70.4
140	144.9	136.7	112.0	107.1	121.8	117.1	122.9	119.9	130-140	89.50	20357	99,70.7
150	159.1	153.1	130.1	123.0	141.4	141.9	137.0	134.3	140-150	80.84	20438	99.4,71
160	171.4	172.9	153.3	144.0	162.9	169.7	160.3	153.9	150-160	68.63	20506	99.7,71.2
170	181.1	189.1	177.1	161.8	179.9	190.5	181.3	170.3	160-170	47.68	20554	99.9,71.4
180	185.3	196.9	190.2	173.0	185.7	196.5	190.6	172.9	170-180	17.27	20571	100,71.4
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XW
 Test Date:2018-12-03

g Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks: SL810-160-24S10P-lumileds3030S 5700K Ra

ISOCANDELA DIAGRAM

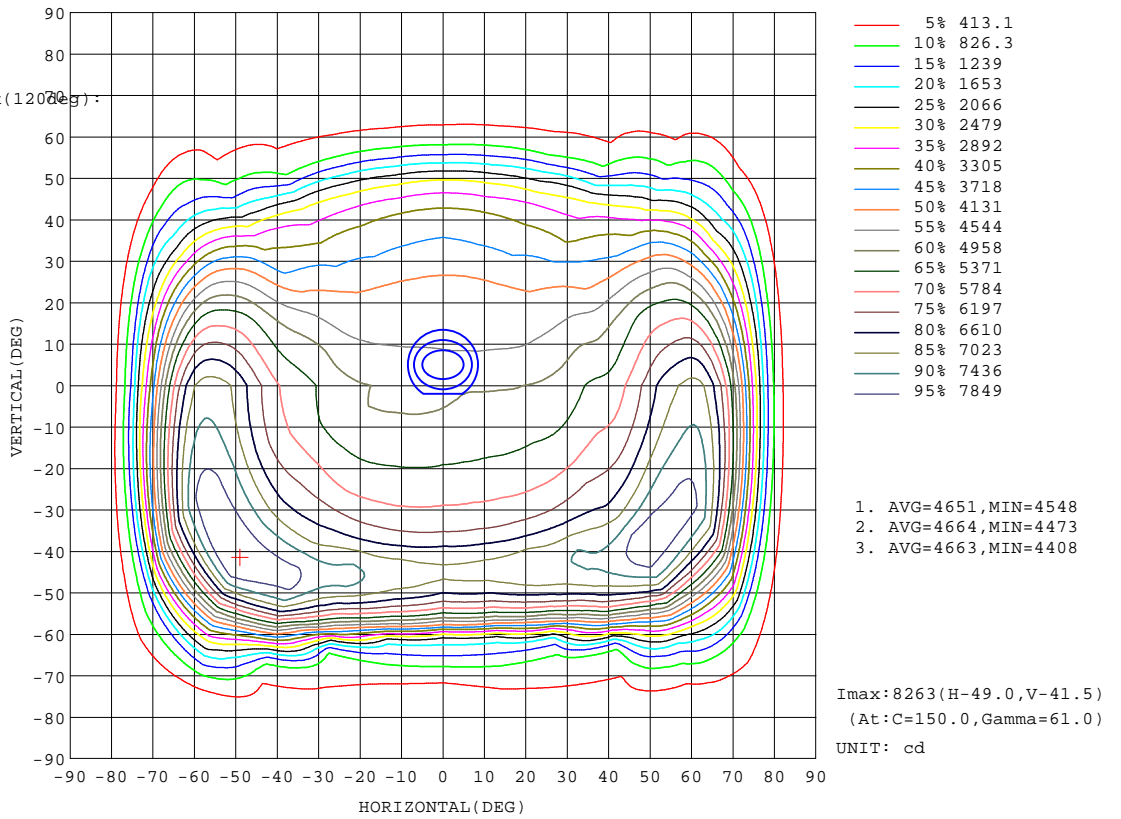
Test:U:230.2V I:0.6936A P:158.2W PF:0.9907 Lamp Flux:28800x1 lm		
NAME: SL810-160	TYPE:SL	WEIGHT:
SPEC.:160W	DIM.:	SERIAL No.:20181217001
MFR.: AXLUX	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

9215.7 lm
%lum = 44.8%
%lamp = 32.0%

Conical surface Flux(120deg):

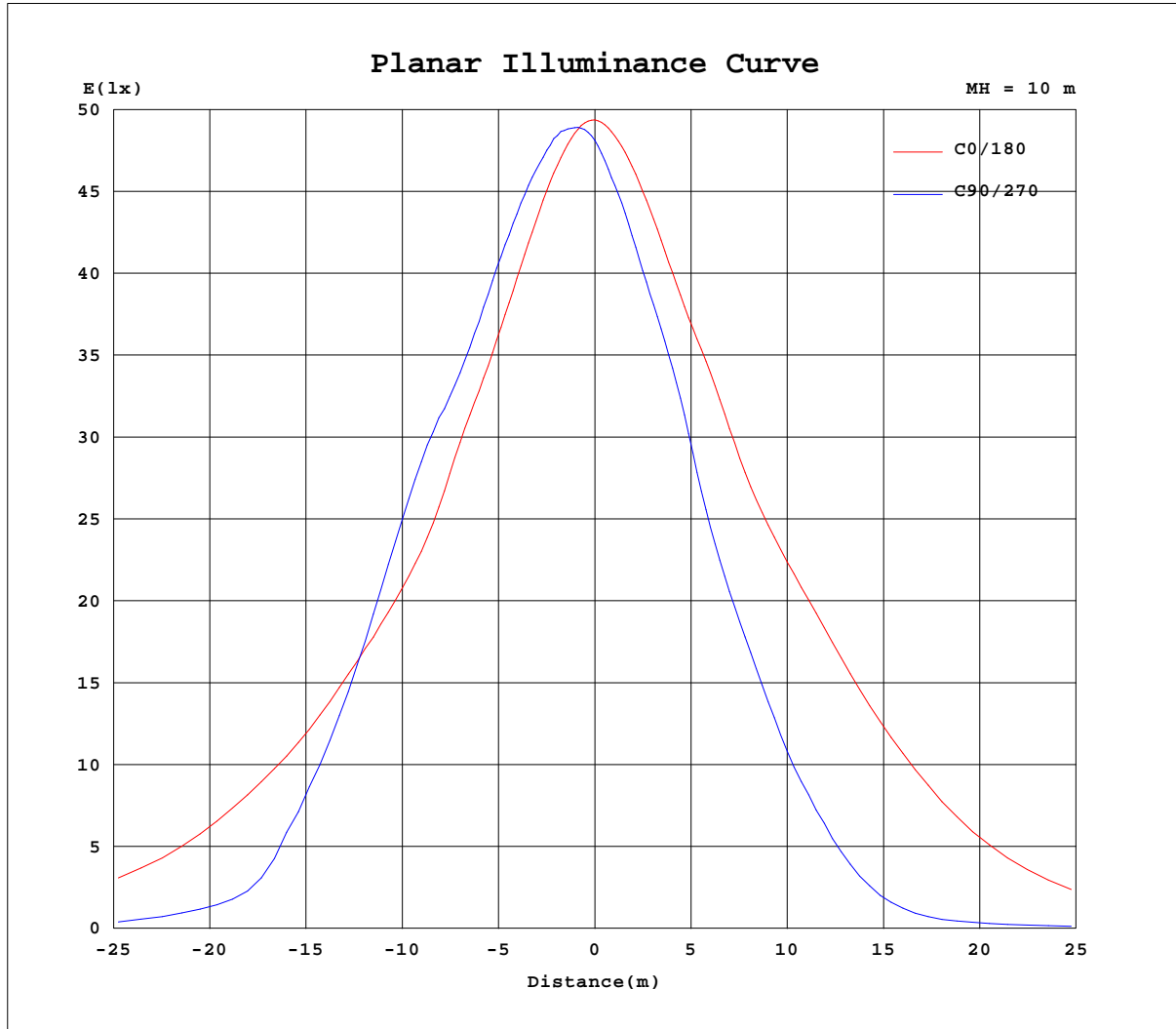
15725 lm
%lum = 76.4%
%lamp = 54.6%



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:XW
Test Date:2018-12-03

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks: SL810-160-24S10P-lumileds3030S 5700K Ra

Planar Illuminance Curve



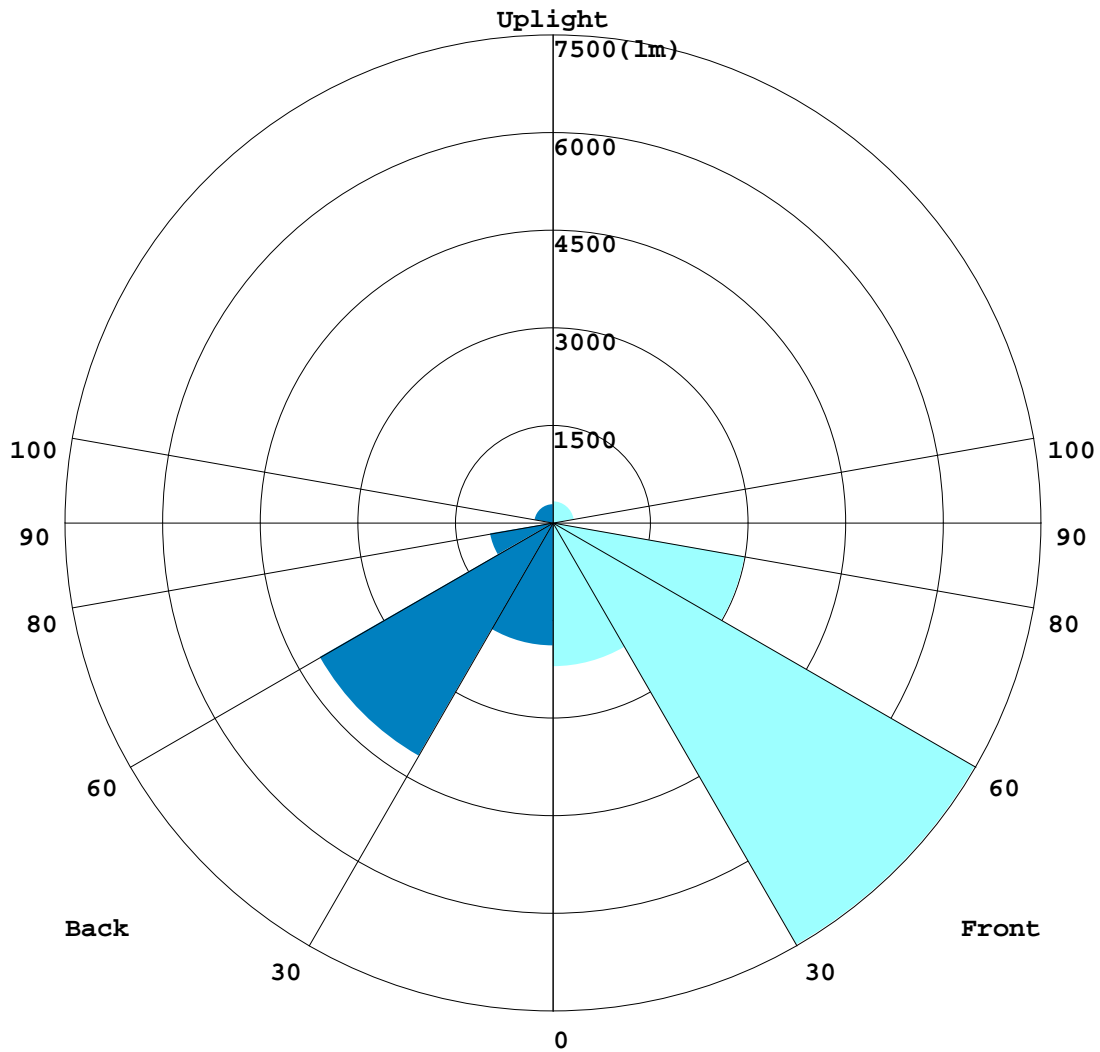
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: XW
Test Date: 2018-12-03

Page Range: 0 - 180DEG
Page Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity: 65.0%
Test Distance: 9.000m [K=1.0000]
Remarks: SL810-160-24S10P-lumileds3030S 5700K Ra

LCS REPORT

Test:U:230.2V I:0.6936A P:158.2W PF:0.9907 Lamp Flux:28800x1 lm		
NAME: SL810-160	TYPE:SL	WEIGHT:
SPEC.:160W	DIM.:	SERIAL No.:20181217001
MFR.: AXLUX	SUR.:	PROTECTION ANGLE:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XW
 Test Date:2018-12-03

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks: SL810-160-24S10P-lumileds3030S 5700K Ra

BUG REPORT

Test:U:230.2V I:0.6936A P:158.2W PF:0.9907 Lamp Flux:28800x1 lm		
NAME: SL810-160	TYPE:SL	WEIGHT:
SPEC.:160W	DIM.:	SERIAL No.:20181217001
MFR.: AXLUX	SUR.:	PROTECTION ANGLE:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2209.6	10.7
FM - Front-Medium(30-60)	7490.2	36.4
FH - Front-High(60-80)	2996.3	14.6
FVH - Front-Very High(80-90)	123.33	0.6
Total Forward Light	13217	64.3

BL - Back-Low(0-30)	1890.9	9.2
BM - Back-Medium(30-60)	4134.5	20.1
BH - Back-High(60-80)	976.52	4.7
BVH - Back-Very High(80-90)	32.041	0.2
Total Back Light	7353.9	35.7

UL - Uplight-Low(90-100)	102	0.5
UH - Uplight-High(100-180)	615.58	3.0
Total Up Light	717.59	3.5

BUG(Back,Up,Glare) Rating	B3-U4-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	12819	397.71	13217
Street Side	7034	319.87	7353.9

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XW
 Test Date:2018-12-03

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks: SL810-160-24S10P-lumileds3030S 5700K Ra

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.2V I:0.6936A P:158.2W PF:0.9907 Lamp Flux:28800x1 lm		
NAME: SL810-160	TYPE:SL	WEIGHT:
SPEC.:160W	DIM.:	SERIAL No.:20181217001
MFR.: AXLUX	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	4937	4909	4881	4858	4844	4828	4813	4800	4792	4788	4795	4802	4937	4909	4881	4858	4844	4828	4813
5	4938	4949	4958	4963	4968	4960	4948	4929	4908	4879	4857	4827	4921	4853	4778	4722	4688	4657	4638
10	4928	4980	5020	5056	5091	5102	5096	5058	5012	4961	4914	4854	4919	4806	4683	4606	4559	4524	4503
15	4935	5022	5108	5182	5221	5231	5226	5190	5145	5074	4992	4899	4936	4769	4615	4497	4425	4393	4381
20	4962	5080	5214	5295	5369	5403	5400	5355	5290	5200	5100	4980	4987	4770	4540	4380	4327	4324	4322
25	5034	5172	5347	5453	5547	5595	5609	5540	5483	5357	5242	5104	5102	4828	4464	4277	4225	4209	4213
30	5176	5332	5500	5645	5767	5826	5842	5778	5697	5568	5469	5319	5335	4975	4414	4140	3991	3929	3937
35	5403	5596	5755	5904	6053	6152	6175	6098	6004	5860	5783	5607	5554	5071	4344	3888	3709	3713	3743
40	5510	5831	6109	6283	6537	6726	6747	6656	6439	6288	6126	5878	5826	5118	4116	3593	3454	3493	3532
45	5884	6116	6418	6870	7165	7112	7070	7178	7178	6740	6481	6328	6330	5276	3756	3224	3114	3033	3067
50	6438	6720	6895	7470	7279	6779	6607	7038	7587	7358	7077	6999	6912	5367	3456	2775	2515	2383	2425
55	6910	7402	7773	7388	6474	5598	5310	5972	6982	7950	7768	7648	7215	5142	2980	1955	1598	1400	1392
60	7175	7856	8149	6556	4451	2865	2475	3411	5311	7657	8254	8022	7005	4484	2016	836	684	606	593
65	6688	7885	7316	4318	1411	1287	1272	1303	1907	5755	7671	7532	5728	3151	965	427	371	346	349
70	5142	6697	4671	1015	595	643	548	573	587	2530	5176	5810	3582	1702	429	279	242	205	198
75	2731	4028	1724	430	408	377	260	326	414	553	2437	2969	1332	680	212	150	115	86.3	86.8
80	788	1206	498	308	301	262	165	221	294	311	710	734	272	147	96.2	58.5	40.7	32.9	34.6
85	197	268	211	200	196	176	133	156	185	190	202	195	61.7	51.1	46.5	42.2	38.0	36.2	38.5
90	133	138	139	135	125	115	108	111	118	126	131	139	58.1	58.8	55.8	51.6	46.7	43.9	45.0
95	141	142	138	127	114	103	98.7	101	110	123	135	144	66.7	68.3	65.9	61.7	56.6	54.1	55.4
100	147	149	142	128	113	102	97.1	99.8	109	123	137	147	74.6	76.6	74.4	71.0	66.9	65.2	67.1
105	150	151	142	127	111	100	95.7	98.4	107	120	135	146	81.1	82.5	80.8	78.5	76.3	75.7	78.5
110	149	150	140	126	110	99.1	94.6	97.1	105	117	131	141	86.1	86.5	85.5	84.5	83.8	84.4	88.0
115	145	147	138	125	110	99.0	94.1	96.1	103	114	125	135	90.7	90.3	90.3	90.3	90.5	91.5	95.4
120	142	144	137	125	111	100	94.9	95.9	101	111	121	129	95.6	94.3	94.4	95.8	96.8	98.0	102
125	140	142	136	126	113	102	96.6	96.0	100	108	116	123	101	98.3	97.8	100	102	104	108
130	139	141	137	127	116	106	99.4	97.0	99.1	105	111	117	106	103	102	104	106	110	115
135	140	142	139	131	121	112	105	101	100	104	110	115	113	111	109	108	110	114	119
140	145	146	143	137	128	120	112	106	105	107	112	119	122	121	119	117	116	118	123
145	152	152	150	144	136	128	120	114	111	113	119	125	131	131	131	129	127	126	128
150	159	159	158	153	146	138	130	124	121	123	128	134	141	143	143	142	139	137	137
155	166	167	166	163	157	149	141	135	133	134	137	142	152	154	156	156	154	150	148
160	171	174	175	173	168	161	153	148	144	144	146	148	163	166	169	170	168	164	160
165	177	180	182	182	179	173	166	160	156	154	153	155	172	176	180	182	180	176	172
170	181	185	187	189	187	183	177	171	165	162	160	160	180	183	188	190	190	186	181
175	184	187	191	194	194	191	186	179	173	168	165	165	184	187	192	196	196	192	188
180	185	188	193	197	197	195	190	184	178	173	169	168	186	188	193	196	197	195	191

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XW
 Test Date:2018-12-03

g Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks: SL810-160-24S10P-lumileds3030S 5700K Ra

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.2V I:0.6936A P:158.2W PF:0.9907 Lamp Flux:28800x1 lm		
NAME: SL810-160	TYPE:SL	WEIGHT:
SPEC.:160W	DIM.:	SERIAL No.:20181217001
MFR.: AXLUX	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) g (DEG)	285	300	315	330	345														
0	4800	4792	4788	4795	4802														
5	4635	4645	4671	4716	4763														
10	4509	4537	4575	4636	4721														
15	4386	4412	4475	4578	4687														
20	4314	4311	4365	4505	4674														
25	4219	4216	4259	4457	4733														
30	3947	4018	4146	4422	4837														
35	3715	3726	3963	4375	4939														
40	3494	3472	3655	4168	4954														
45	3082	3158	3248	3984	5178														
50	2442	2587	2907	3746	5398														
55	1485	1740	2290	3367	5353														
60	661	712	1160	2737	5006														
65	360	395	509	1663	4003														
70	221	258	300	731	2423														
75	102	138	178	315	1165														
80	44.1	61.0	84.7	129	272														
85	43.9	49.4	54.5	61.0	68.7														
90	50.8	56.8	61.5	62.1	59.3														
95	60.3	66.3	70.3	70.1	67.1														
100	71.6	76.4	78.9	77.9	74.8														
105	82.9	85.7	86.0	84.0	80.9														
110	92.1	93.2	91.4	88.1	84.8														
115	99.3	99.9	96.5	91.6	87.5														
120	106	106	102	95.6	89.9														
125	112	112	107	99.4	91.9														
130	117	117	112	103	93.9														
135	122	121	116	107	98.0														
140	125	124	120	113	105														
145	130	129	126	121	115														
150	138	137	134	130	125														
155	147	146	144	140	136														
160	158	156	154	151	147														
165	169	166	163	160	157														
170	177	174	170	167	164														
175	183	178	173	170	168														
180	184	178	173	169	168														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XW
 Test Date:2018-12-03

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks: SL810-160-24S10P-lumileds3030S 5700K Ra

Photometric Data Table [cd]

G/C	0.0	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0
0.0	4937	4909	4881	4858	4844	4828	4813	4800	4792	4788
3.0	4939	4935	4931	4924	4924	4911	4900	4882	4867	4847
6.0	4936	4955	4971	4979	4984	4984	4972	4951	4924	4895
9.0	4929	4973	5008	5034	5063	5069	5058	5028	4987	4943
12.0	4930	4994	5052	5109	5152	5161	5154	5118	5069	5001
15.0	4935	5022	5108	5182	5221	5231	5226	5190	5145	5074
18.0	4943	5053	5170	5246	5304	5333	5332	5285	5226	5148
21.0	4973	5099	5241	5324	5411	5442	5446	5395	5328	5229
24.0	5012	5152	5316	5418	5505	5554	5555	5505	5436	5324
27.0	5081	5226	5400	5532	5625	5688	5701	5631	5556	5431
30.0	5176	5332	5500	5645	5767	5826	5842	5778	5697	5568
33.0	5314	5480	5637	5789	5913	6000	6014	5950	5865	5730
36.0	5431	5650	5806	5968	6119	6241	6267	6183	6068	5940
39.0	5486	5797	6047	6192	6429	6586	6646	6514	6353	6199
42.0	5612	5901	6254	6496	6819	6941	6947	6925	6695	6468
45.0	5884	6116	6418	6870	7165	7112	7070	7178	7178	6740
48.0	6207	6462	6654	7315	7332	7027	6905	7209	7513	7064
51.0	6541	6858	7023	7502	7213	6610	6459	6896	7572	7507
54.0	6832	7278	7547	7448	6707	5906	5669	6258	7217	7875
57.0	7036	7609	8078	7173	5851	4793	4422	5206	6410	7986
60.0	7175	7856	8149	6556	4451	2865	2475	3411	5311	7657
63.0	7021	7999	7768	5516	2295	1612	1562	1690	3628	6745
66.0	6430	7741	6874	3616	1149	1143	1084	1139	1417	5194
69.0	5587	7055	5380	1477	704.3	746.2	684.6	685.4	681.5	3232
72.0	4234	5791	3421	576.7	498.2	496.1	392.7	436.7	495.2	1286
75.0	2731	4028	1724	429.8	407.7	376.5	260.3	326.3	413.9	552.6
78.0	1401	2294	828.8	355.6	345.1	308.9	190.1	259.9	338.6	369.8
81.0	582.3	851.6	385.4	284.3	280.7	242.7	156.3	206.9	275.5	283.1
84.0	237.9	373.0	233.8	217.5	213.8	190.9	137.8	167.9	202.8	210.4
87.0	153.9	180.5	172.1	168.6	162.0	146.6	123.0	134.5	151.7	156.3
90.0	133.3	137.7	138.9	135.0	125.1	115.5	108.2	111.3	118.4	126.0
93.0	137.5	139.1	135.7	126.6	114.0	103.9	99.28	101.7	110.2	122.1
96.0	142.2	143.8	138.9	127.4	113.4	102.9	98.40	101.0	110.1	123.2
99.0	146.0	147.7	141.1	127.7	112.7	101.9	97.41	101.0	109.4	123.1
102.0	148.9	150.3	142.0	127.4	112.0	101.0	96.50	99.26	108.3	122.1
105.0	150.1	151.4	142.0	126.7	111.3	100.2	95.70	98.43	107.0	120.4
108.0	149.8	151.0	141.2	126.0	110.7	99.50	94.99	97.59	105.6	118.3
111.0	148.2	149.4	140.0	125.4	110.3	99.00	94.41	96.80	104.2	116.2
114.0	146.1	147.3	138.8	124.9	110.2	98.92	94.13	96.22	103.1	114.2
117.0	144.0	145.2	137.7	124.8	110.5	99.28	94.22	95.90	102.1	112.4
120.0	142.1	143.5	136.9	124.9	111.2	100.1	94.85	95.85	101.3	110.7
123.0	140.8	142.3	136.4	125.3	112.1	101.3	95.79	95.90	100.5	109.1
126.0	139.8	141.4	136.2	125.8	113.3	102.9	96.97	96.12	99.80	107.4
129.0	139.0	140.8	136.4	126.8	115.0	105.0	98.64	96.64	99.21	105.7
132.0	139.0	140.9	137.2	128.4	117.4	108.0	101.3	98.07	99.32	104.5
135.0	140.1	142.1	139.0	131.0	120.7	111.8	104.8	100.5	100.4	104.4
138.0	142.7	144.1	141.4	134.3	124.7	116.3	109.0	103.8	102.6	105.6
141.0	146.3	147.0	144.5	138.1	129.3	121.1	113.7	107.7	105.7	108.1
144.0	150.3	150.6	148.3	142.5	134.3	126.3	118.6	112.2	109.8	111.9
147.0	154.8	154.8	152.8	147.5	139.9	131.9	124.0	117.6	115.0	117.0
150.0	159.1	159.4	157.7	153.1	145.9	138.0	130.1	123.7	121.2	123.0
153.0	163.3	164.1	162.9	159.1	152.3	144.6	136.7	130.6	128.0	129.5
156.0	167.0	168.5	168.1	165.1	159.1	151.6	143.8	137.7	135.2	135.8
159.0	170.4	172.6	173.0	171.0	165.8	158.7	150.9	145.1	142.2	142.0
162.0	173.5	176.4	177.7	176.7	172.4	165.9	158.4	152.8	149.2	148.0
165.0	176.5	179.8	181.9	181.8	178.6	172.9	166.0	160.1	155.9	153.6
168.0	179.4	182.8	185.4	186.4	184.2	179.4	173.0	166.8	161.9	158.7
171.0	181.9	185.2	188.2	190.2	188.9	185.1	179.2	172.9	167.2	163.2
174.0	184.0	186.9	190.5	193.3	192.7	189.8	184.4	178.0	171.8	167.2
177.0	185.0	188.0	192.1	195.5	195.4	193.2	188.1	182.0	175.4	170.5
180.0	185.3	188.4	193.0	196.9	197.0	194.9	190.2	184.4	178.0	173.0
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	4795	4802	4937	4909	4881	4858	4844	4828	4813	4800
3.0	4836	4821	4928	4876	4822	4780	4754	4724	4708	4699
6.0	4865	4831	4920	4841	4758	4695	4660	4629	4612	4609
9.0	4902	4846	4919	4814	4697	4624	4588	4554	4534	4536
12.0	4945	4870	4921	4787	4655	4567	4500	4463	4446	4453
15.0	4992	4899	4936	4769	4615	4497	4425	4393	4381	4386
18.0	5053	4947	4964	4766	4568	4423	4362	4349	4345	4339
21.0	5127	4997	5001	4776	4529	4361	4313	4308	4308	4300
24.0	5205	5072	5075	4810	4477	4300	4249	4244	4250	4249
27.0	5320	5175	5181	4876	4438	4228	4155	4106	4106	4126
30.0	5469	5319	5335	4975	4414	4140	3991	3929	3937	3947

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: XW
 Test Date: 2018-12-03

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity: 65.0%
 Test Distance: 9.000m [K=1.0000]
 Remarks: SL810-160-24S10P-lumileds3030S 5700K Ra

Photometric Data Table [cd]

33.0	5640	5503	5477	5047	4377	4007	3808	3792	3813	3799
36.0	5856	5657	5599	5079	4312	3827	3667	3675	3709	3674
39.0	6070	5818	5751	5100	4181	3647	3514	3548	3593	3542
42.0	6260	6025	6001	5174	3968	3469	3340	3353	3373	3368
45.0	6481	6328	6330	5276	3756	3224	3114	3033	3067	3082
48.0	6814	6714	6696	5359	3571	2954	2773	2673	2724	2703
51.0	7192	7140	7006	5352	3393	2667	2368	2205	2207	2281
54.0	7627	7535	7191	5215	3126	2186	1819	1606	1582	1688
57.0	8013	7836	7228	4958	2630	1485	1192	1020	991.9	1086
60.0	8254	8022	7005	4484	2016	835.6	684.4	606.4	593.1	660.9
63.0	8122	7893	6324	3740	1345	536.7	447.6	409.3	408.1	430.3
66.0	7227	7294	5362	2839	836.5	391.4	347.9	316.9	318.8	328.4
69.0	5822	6260	4101	1960	512.9	306.6	270.7	234.2	235.4	248.0
72.0	4057	4790	2715	1305	321.1	228.8	189.3	152.7	146.5	168.2
75.0	2437	2969	1332	679.6	211.6	150.4	114.6	86.34	86.78	102.1
78.0	1311	1221	576.1	261.3	139.1	84.83	60.16	41.79	41.81	57.83
81.0	469.1	541.8	169.9	104.2	76.56	50.03	36.52	32.84	35.26	42.45
84.0	228.7	235.4	75.60	57.81	48.93	41.14	36.60	35.09	37.52	42.92
87.0	159.6	154.1	53.44	52.91	49.95	45.73	41.26	38.83	40.62	46.29
90.0	130.8	138.7	58.13	58.76	55.81	51.59	46.68	43.89	45.05	50.78
93.0	133.4	142.0	63.14	64.58	61.73	57.71	52.45	49.88	50.88	56.26
96.0	135.8	144.8	68.36	70.11	67.70	63.64	58.75	56.33	57.59	62.51
99.0	136.8	146.6	73.24	75.11	73.04	69.31	65.24	63.06	64.82	69.35
102.0	136.5	146.9	77.46	79.23	77.35	74.27	70.92	69.58	71.89	76.30
105.0	135.0	145.8	81.10	82.47	80.80	78.54	76.33	75.68	78.50	82.90
108.0	132.4	143.3	84.27	85.00	83.69	82.22	81.04	81.12	84.50	88.72
111.0	129.4	139.9	87.09	87.29	86.54	85.69	85.21	85.88	89.59	93.70
114.0	126.4	136.1	89.72	89.55	89.22	89.15	89.03	90.11	93.98	97.97
117.0	123.5	132.5	92.64	91.92	92.03	92.56	93.04	94.10	98.09	102.0
120.0	120.6	128.9	95.62	94.31	94.44	95.79	96.78	98.04	102.0	105.8
123.0	117.9	125.3	98.57	96.71	96.44	98.56	100.1	101.9	105.8	109.5
126.0	115.0	121.5	101.7	99.21	98.65	100.8	103.0	105.6	109.7	113.0
129.0	112.1	117.8	104.9	102.2	101.3	102.9	105.4	108.8	113.4	116.4
132.0	110.1	115.4	108.7	106.2	104.6	105.1	107.6	111.4	116.5	119.5
135.0	109.6	115.0	113.2	111.1	109.4	108.5	110.1	113.7	118.9	121.9
138.0	110.7	116.7	118.3	116.8	114.9	113.2	113.4	116.3	121.2	123.9
141.0	113.5	119.7	123.6	122.9	121.3	119.2	118.1	119.5	123.7	126.1
144.0	117.2	123.8	129.3	129.3	128.3	126.3	124.2	124.0	127.0	128.9
147.0	122.6	128.6	135.3	135.9	135.8	133.9	131.5	130.0	131.5	132.8
150.0	127.9	133.7	141.4	142.7	143.0	141.9	139.5	137.1	137.0	137.7
153.0	133.8	138.7	147.7	149.6	151.1	150.2	148.0	145.0	143.6	143.2
156.0	139.2	143.1	154.2	156.6	158.8	158.8	156.5	153.1	150.7	149.7
159.0	143.9	147.0	160.7	163.4	166.5	166.9	164.8	161.0	157.9	156.2
162.0	148.8	150.9	167.0	169.9	173.8	174.7	172.8	168.7	165.0	162.7
165.0	153.4	154.5	172.5	175.5	180.2	181.7	179.9	175.9	171.8	168.8
168.0	157.4	157.9	177.2	180.1	185.4	187.3	186.1	182.0	177.8	174.1
171.0	161.2	161.1	181.1	183.7	189.3	191.8	191.1	187.2	182.9	178.7
174.0	164.5	163.9	183.6	186.2	191.9	194.8	194.8	191.3	187.0	182.1
177.0	167.2	166.1	185.0	187.6	193.2	196.4	197.0	194.0	189.9	184.2
180.0	169.3	167.7	185.7	188.1	193.4	196.5	197.2	194.6	190.6	184.1
G/C	300.0	315.0	330.0	345.0						
0.0	4792	4788	4795	4802						
3.0	4704	4719	4748	4779						
6.0	4624	4649	4702	4754						
9.0	4559	4592	4648	4728						
12.0	4484	4537	4610	4710						
15.0	4412	4475	4578	4687						
18.0	4347	4409	4533	4673						
21.0	4294	4346	4490	4680						
24.0	4236	4282	4461	4718						
27.0	4157	4219	4443	4763						
30.0	4018	4146	4422	4837						
33.0	3839	4055	4398	4914						
36.0	3673	3910	4351	4936						
39.0	3527	3721	4225	4933						
42.0	3355	3508	4082	5030						
45.0	3158	3248	3984	5178						
48.0	2881	3046	3844	5324						
51.0	2432	2819	3684	5416						
54.0	1949	2478	3458	5385						
57.0	1323	1845	3175	5271						
60.0	712.1	1160	2737	5006						
63.0	472.0	686.5	2085	4461						
66.0	368.3	442.8	1451	3729						

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: XW
 Test Date: 2018-12-03

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity: 65.0%
 Test Distance: 9.000m [K=1.0000]
 Remarks: SL810-160-24S10P-lumileds3030S 5700K Ra

Photometric Data Table [cd]

69.0	284.8	329.0	902.9	2775
72.0	209.4	248.2	515.9	1854
75.0	138.1	178.4	315.3	1165
78.0	85.01	115.2	185.0	554.6
81.0	53.58	73.38	106.7	181.1
84.0	48.51	56.01	67.31	78.86
87.0	52.07	56.62	57.85	56.22
90.0	56.81	61.46	62.11	59.25
93.0	62.21	66.76	66.71	63.91
96.0	68.32	72.09	71.76	68.68
99.0	74.58	77.29	76.67	73.35
102.0	80.51	81.95	80.73	77.51
105.0	85.68	85.98	84.03	80.86
108.0	90.43	89.39	86.71	83.46
111.0	94.80	92.43	88.88	85.45
114.0	98.46	95.47	90.78	87.03
117.0	102.3	98.76	93.11	88.46
120.0	106.1	102.2	95.57	89.87
123.0	109.5	105.3	97.88	91.14
126.0	113.2	108.3	100.3	92.27
129.0	116.3	111.0	102.3	93.50
132.0	118.9	113.5	104.2	95.12
135.0	121.2	115.8	106.9	98.00
138.0	123.0	118.1	110.2	102.2
141.0	125.0	120.9	114.4	107.2
144.0	128.0	124.5	119.2	112.7
147.0	132.1	129.1	124.6	118.5
150.0	136.7	134.3	129.8	124.5
153.0	142.4	139.9	135.9	131.1
156.0	148.1	145.8	142.1	137.9
159.0	154.3	151.9	148.5	144.8
162.0	160.6	157.8	154.7	151.3
165.0	166.5	163.4	160.1	157.0
168.0	171.5	167.9	164.4	161.7
171.0	175.3	171.2	167.4	165.4
174.0	177.8	173.1	169.2	167.5
177.0	178.9	173.7	170.0	168.2
180.0	178.2	172.9	169.4	167.7

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: XW
 Test Date: 2018-12-03

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity: 65.0%
 Test Distance: 9.000m [K=1.0000]
 Remarks: SL810-160-24S10P-lumileds3030S 5700K Ra