



IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-SC-LED-23L-45.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 3047
[TESTLAB] TUV SUD America
[TESTDATE] 2/8/2017 4:55:10 PM
[ISSUE DATE] 11/15/2019
[MANUFAC] LSI INDUSTRIES, INC.
[_SEARCH_ SOURCETYPE] LED
[_SEARCH_ APPLICATION] Outdoor
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[LUMCAT] TEL22-SC-LED-23L-45

CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	25392
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	221.67
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	14636
Maximum Candela Angle	320H 60V
Maximum Candela (<90 Degrees Vertical)	14636
Maximum Candela Angle (<90 Degrees Vertical)	320H 60V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1970 (7.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-SC-LED-23L-45.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2225.7	N.A.	8.8
FM - Front-Medium (30-60)	10641.0	N.A.	41.9
FH - Front-High (60-80)	6676.2	N.A.	26.3
FVH - Front-Very High (80-90)	186.8	N.A.	0.7
BL - Back-Low (0-30)	1053.9	N.A.	4.2
BM - Back-Medium (30-60)	3269.6	N.A.	12.9
BH - Back-High (60-80)	1309.1	N.A.	5.2
BVH - Back-Very High (80-90)	29.5	N.A.	0.1
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	25391.8	N.A.	100.0
BUG Rating	B3-U0-G3		

IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-SC-LED-23L-45.IES

CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	10	20	30	40	50	60	70	80	90
0	3123	3123	3123	3123	3123	3123	3123	3123	3123	3123
5	4118	3960	3913	3836	3743	3631	3507	3378	3244	3111
10	5045	4894	4797	4661	4484	4262	4013	3737	3465	3207
15	5811	5646	5537	5392	5208	4945	4574	4158	3738	3361
20	6412	6255	6146	5998	5772	5462	5082	4570	4031	3550
25	6903	6771	6642	6443	6187	5918	5556	5022	4367	3758
30	7488	7295	7077	6793	6580	6397	6136	5653	4893	4083
35	8181	7946	7589	7170	7033	7227	7317	6976	6120	4989
40	8845	8575	8142	7769	7971	8596	8972	8703	7679	6209
45	9533	9273	8817	8711	9444	10336	10346	9482	8205	6550
50	10396	10144	9671	9909	11180	11809	11030	9635	7891	6020
55	11254	11209	10825	11328	12823	13367	12146	9849	7480	5436
60	11410	11702	11553	12629	14636	14321	12946	10100	7257	4805
65	6473	8486	9585	11439	14390	14015	12693	9451	6433	3745
70	2576	3331	5089	6133	8927	10293	9665	7405	4488	2380
75	1098	1244	2488	3507	4602	6337	5711	4363	2615	1133
80	275	426	924	1316	1619	1970	1969	1606	863	335
85	29	54	73	94	98	121	113	56	43	36
90	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	100	110	120	130	140	150	160	170	180	190
0	3123	3123	3123	3123	3123	3123	3123	3123	3123	3123
5	2989	2876	2778	2699	2635	2592	2561	2542	2602	2542
10	2979	2780	2617	2485	2371	2281	2225	2199	2225	2199
15	3054	2788	2557	2356	2241	2165	2112	2087	2090	2087
20	3152	2814	2509	2363	2252	2159	2080	2036	2032	2036
25	3253	2798	2546	2390	2258	2150	2060	1997	1982	1997
30	3384	2812	2566	2393	2263	2159	2055	1974	1948	1974
35	3844	2955	2598	2465	2372	2240	2109	1983	1940	1983
40	4487	3117	2751	2817	2632	2379	2192	2029	1963	2029
45	4616	3109	3123	3224	2766	2398	2188	2060	2016	2060
50	4103	2998	3199	3045	2697	2425	2276	2145	2089	2145
55	3657	2885	3010	2750	2582	2383	2215	2092	2055	2092

IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-SC-LED-23L-45.IES

CANDELA TABULATION - (Cont.)

60	3217	2690	2692	2460	2359	2149	1891	1858	1872	1858
65	2517	2160	2027	1972	1806	1625	1465	1529	1548	1529
70	1598	1433	1266	1134	1076	1016	983	1137	1141	1137
75	696	765	661	558	537	546	539	447	473	447
80	259	246	209	179	168	164	128	86	95	86
85	31	26	21	17	14	10	6	4	8	4
90	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0

**Vert.
Angles**

Horizontal Angles

	<u>200</u>	<u>210</u>	<u>220</u>	<u>230</u>	<u>240</u>	<u>250</u>	<u>260</u>	<u>270</u>	<u>280</u>	<u>290</u>
0	3123	3123	3123	3123	3123	3123	3123	3123	3123	3123
5	2561	2592	2635	2699	2778	2876	2989	3111	3244	3378
10	2225	2281	2371	2485	2617	2780	2979	3207	3465	3737
15	2112	2165	2241	2356	2557	2788	3054	3361	3738	4158
20	2080	2159	2252	2363	2509	2814	3152	3550	4031	4570
25	2060	2150	2258	2390	2546	2798	3253	3758	4367	5022
30	2055	2159	2263	2393	2566	2812	3384	4083	4893	5653
35	2109	2240	2372	2465	2598	2955	3844	4989	6120	6976
40	2192	2379	2632	2817	2751	3117	4487	6209	7679	8703
45	2188	2398	2766	3224	3123	3109	4616	6550	8205	9482
50	2276	2425	2697	3045	3199	2998	4103	6020	7891	9635
55	2215	2383	2582	2750	3010	2885	3657	5436	7480	9849
60	1891	2149	2359	2460	2692	2690	3217	4805	7257	10100
65	1465	1625	1806	1972	2027	2160	2517	3745	6433	9451
70	983	1016	1076	1134	1266	1433	1598	2380	4488	7405
75	539	546	537	558	661	765	696	1133	2615	4363
80	128	164	168	179	209	246	259	335	863	1606
85	6	10	14	17	21	26	31	36	43	56
90	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0	0	0	0

IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-SC-LED-23L-45.IES

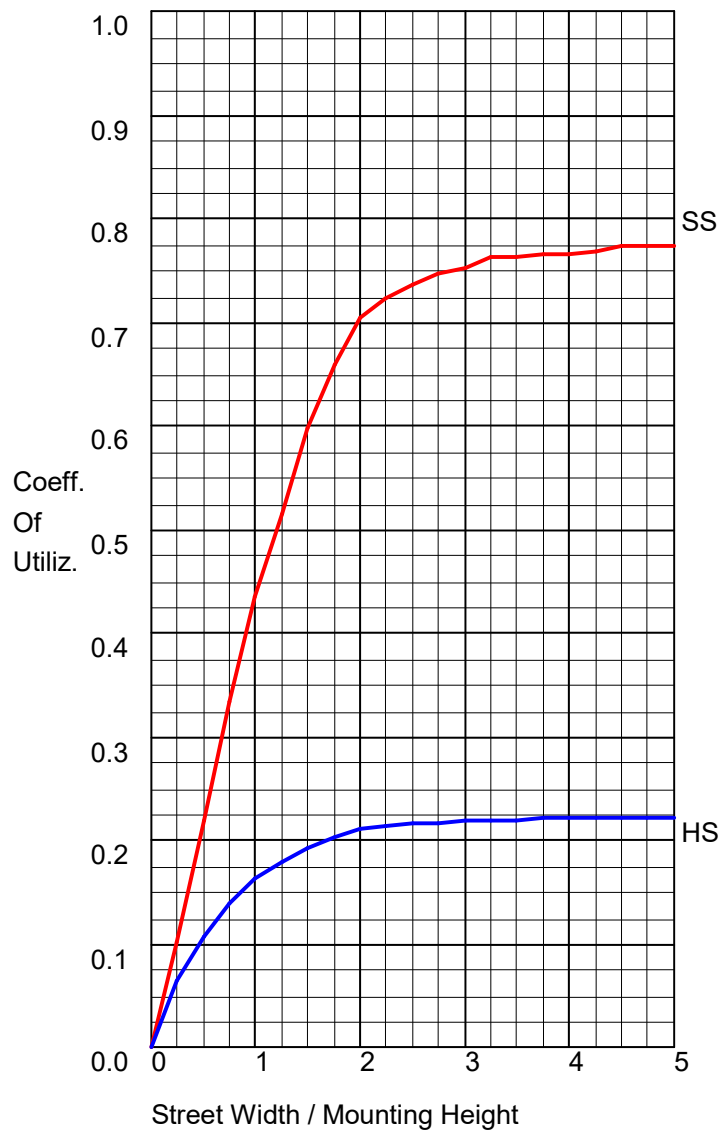
CANDELA TABULATION - (Cont.)

135	0	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0

Vert. Angles **Horizontal Angles**

	<u>300</u>	<u>310</u>	<u>320</u>	<u>330</u>	<u>340</u>	<u>350</u>	<u>360</u>
0	3123	3123	3123	3123	3123	3123	3123
5	3507	3631	3743	3836	3913	3960	4118
10	4013	4262	4484	4661	4797	4894	5045
15	4574	4945	5208	5392	5537	5646	5811
20	5082	5462	5772	5998	6146	6255	6412
25	5556	5918	6187	6443	6642	6771	6903
30	6136	6397	6580	6793	7077	7295	7488
35	7317	7227	7033	7170	7589	7946	8181
40	8972	8596	7971	7769	8142	8575	8845
45	10346	10336	9444	8711	8817	9273	9533
50	11030	11809	11180	9909	9671	10144	10396
55	12146	13367	12823	11328	10825	11209	11254
60	12946	14321	14636	12629	11553	11702	11410
65	12693	14015	14390	11439	9585	8486	6473
70	9665	10293	8927	6133	5089	3331	2576
75	5711	6337	4602	3507	2488	1244	1098
80	1969	1970	1619	1316	924	426	275
85	113	121	98	94	73	54	29
90	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0

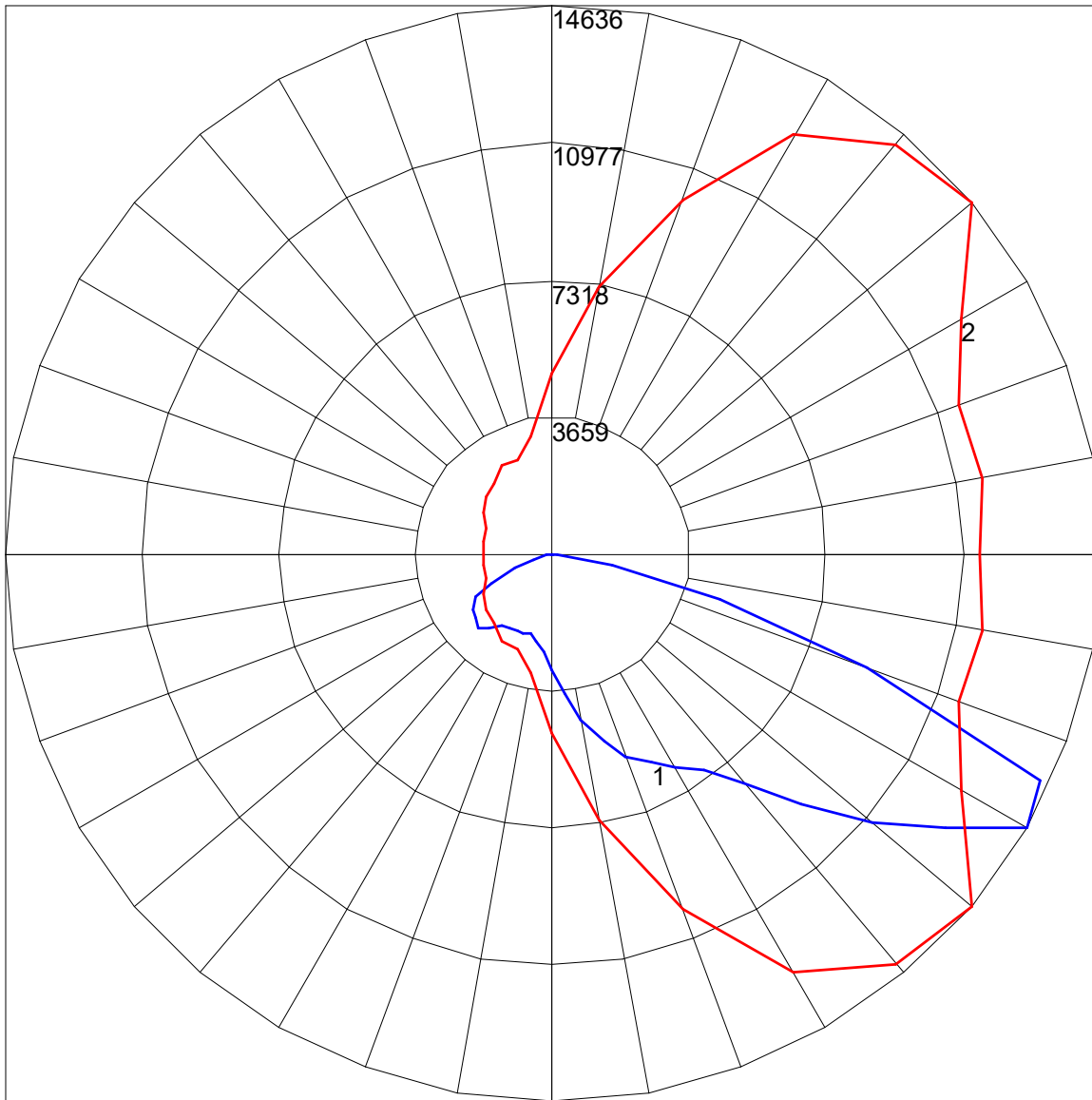
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

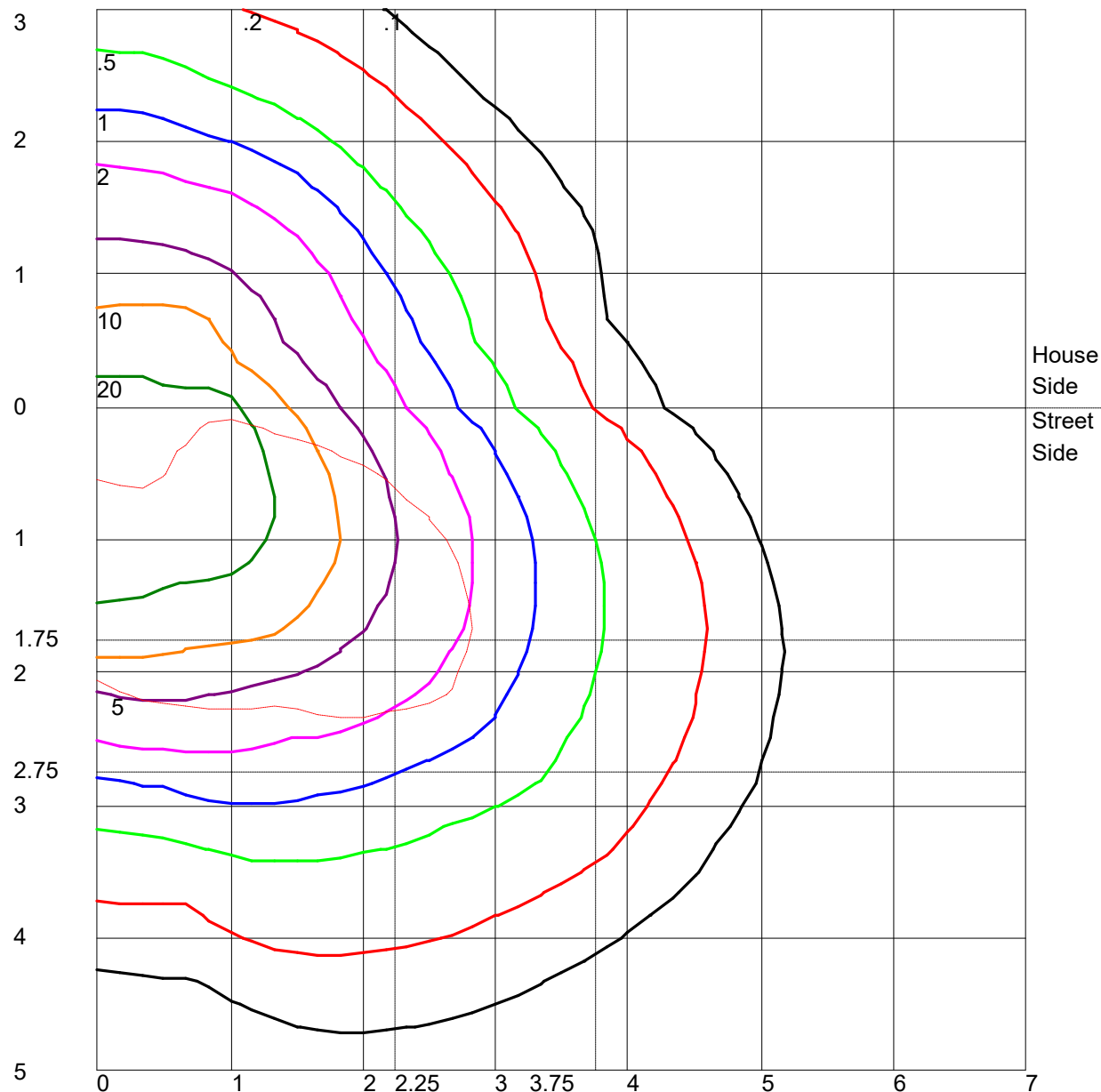
	Lumens	Percent Of Luminaire
Downward Street Side	19729.7	77.7
Downward House Side	5662.0	22.3
Downward Total	25391.7	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	25391.7	100.0

POLAR GRAPH

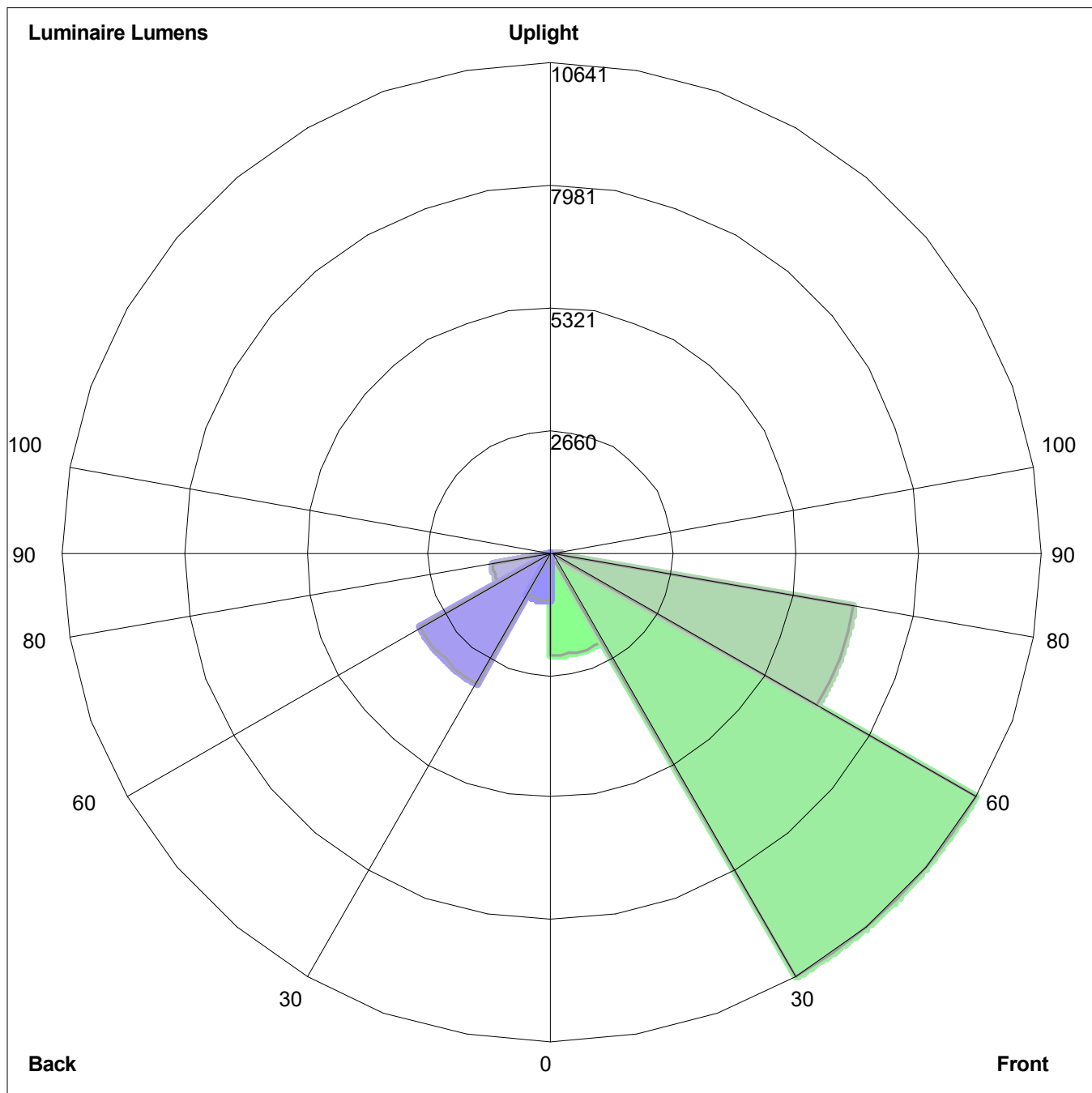


Maximum Candela = 14636 Located At Horizontal Angle = 320, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (320 - 140) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2225.7, Medium= 10641.0, High=6676.2, Very High=186.8
Back: Low=1053.9, Medium=3269.6, High=1309.1, Very High=29.5
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3