



IES ROAD REPORT

PHOTOMETRIC FILENAME : TEL22-3-LED-26L-45.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 3035

[TESTLAB] TUV SUD America

[TESTDATE] 1/13/2017 1:57:13 PM

[ISSUE DATE] 11/15/2019

[MANUFAC] LSI INDUSTRIES, INC.

[_SEARCH_SOURCE TYPE] LED

[_SEARCH_APPLICATION] Outdoor

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED

[LUMCAT] TEL22-3-LED-26L-45

CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	31190
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	265.68
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	21611
Maximum Candela Angle	330H 65V
Maximum Candela (<90 Degrees Vertical)	21611
Maximum Candela Angle (<90 Degrees Vertical)	330H 65V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	462 (1.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2894.2	N.A.	9.3
FM - Front-Medium (30-60)	13579.2	N.A.	43.5
FH - Front-High (60-80)	7284.5	N.A.	23.4
FVH - Front-Very High (80-90)	56.0	N.A.	0.2
BL - Back-Low (0-30)	2152.9	N.A.	6.9
BM - Back-Medium (30-60)	4255.7	N.A.	13.6
BH - Back-High (60-80)	953.7	N.A.	3.1
BVH - Back-Very High (80-90)	13.6	N.A.	0.0
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	31189.8	N.A.	100.0
BUG Rating	B3-U0-G3		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	10	20	30	40	50	60	70	80	90
0	5633	5633	5633	5633	5633	5633	5633	5633	5633	5633
5	6015	5955	5922	5884	5840	5789	5743	5690	5648	5614
10	6549	6404	6289	6177	6084	5991	5904	5808	5718	5639
15	7145	6892	6686	6516	6390	6253	6099	5959	5832	5703
20	7923	7509	7174	6918	6698	6506	6304	6102	5937	5795
25	9784	9024	8262	7632	7138	6760	6482	6262	6085	5943
30	11826	11079	10138	9103	7876	7107	6665	6440	6292	6189
35	13706	12820	11801	10692	9026	7556	6890	6683	6565	6487
40	15514	14689	13674	12379	10498	8404	7425	7052	6834	6783
45	16404	15857	15290	14232	12442	9877	8081	7426	7062	6988
50	17324	17016	16823	15763	13856	11140	8963	8087	7434	7157
55	18017	18403	18817	18214	16435	13663	10919	9320	7789	7102
60	17721	19230	20970	20914	19323	17253	14496	10412	6679	5783
65	8276	12479	17680	21611	21166	20059	17088	6726	3666	3311
70	1566	2222	3317	7546	14924	14715	5634	1421	1072	1055
75	629	871	1128	1548	3111	3602	986	400	318	357
80	245	315	407	430	462	432	226	168	134	113
85	49	76	76	70	63	55	42	32	26	22
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	5633	5633	5633	5633	5633	5633	5633	5633	5633	5633
5	5575	5551	5530	5525	5504	5498	5490	5489	5503	5489
10	5566	5503	5445	5401	5375	5375	5378	5381	5412	5381
15	5610	5512	5430	5337	5254	5183	5145	5132	5167	5132
20	5686	5565	5439	5279	5122	4905	4701	4612	4648	4612
25	5807	5657	5462	5166	4684	4415	4205	4090	4147	4090
30	6052	5828	5474	4747	4247	3803	3495	3350	3418	3350
35	6428	6187	5266	4290	3494	3014	2816	2817	2864	2817
40	6877	6701	5180	3558	2718	2488	2414	2512	2620	2512
45	7361	6814	4796	2866	2328	2148	2028	2002	2144	2002
50	7523	6457	3897	2550	2030	1807	1737	1769	1931	1769
55	7000	5168	3165	2249	1780	1632	1584	1657	1834	1657

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CANDELA TABULATION - (Cont.)

60	5426	3579	2603	1892	1601	1403	1215	1153	1263	1153
65	3093	2180	1630	1342	1036	882	791	742	804	742
70	978	868	755	625	570	560	514	536	609	536
75	364	343	323	293	294	314	275	258	334	258
80	113	102	91	81	84	80	65	47	60	47
85	17	13	10	7	6	4	3	2	2	2
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	5633	5633	5633	5633	5633	5633	5633	5633	5633	5633
5	5490	5498	5504	5525	5530	5551	5575	5614	5648	5690
10	5378	5375	5375	5401	5445	5503	5566	5639	5718	5808
15	5145	5183	5254	5337	5430	5512	5610	5703	5832	5959
20	4701	4905	5122	5279	5439	5565	5686	5795	5937	6102
25	4205	4415	4684	5166	5462	5657	5807	5943	6085	6262
30	3495	3803	4247	4747	5474	5828	6052	6189	6292	6440
35	2816	3014	3494	4290	5266	6187	6428	6487	6565	6683
40	2414	2488	2718	3558	5180	6701	6877	6783	6834	7052
45	2028	2148	2328	2866	4796	6814	7361	6988	7062	7426
50	1737	1807	2030	2550	3897	6457	7523	7157	7434	8087
55	1584	1632	1780	2249	3165	5168	7000	7102	7789	9320
60	1215	1403	1601	1892	2603	3579	5426	5783	6679	10412
65	791	882	1036	1342	1630	2180	3093	3311	3666	6726
70	514	560	570	625	755	868	978	1055	1072	1421
75	275	314	294	293	323	343	364	357	318	400
80	65	80	84	81	91	102	113	113	134	168
85	3	4	6	7	10	13	17	22	26	32
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

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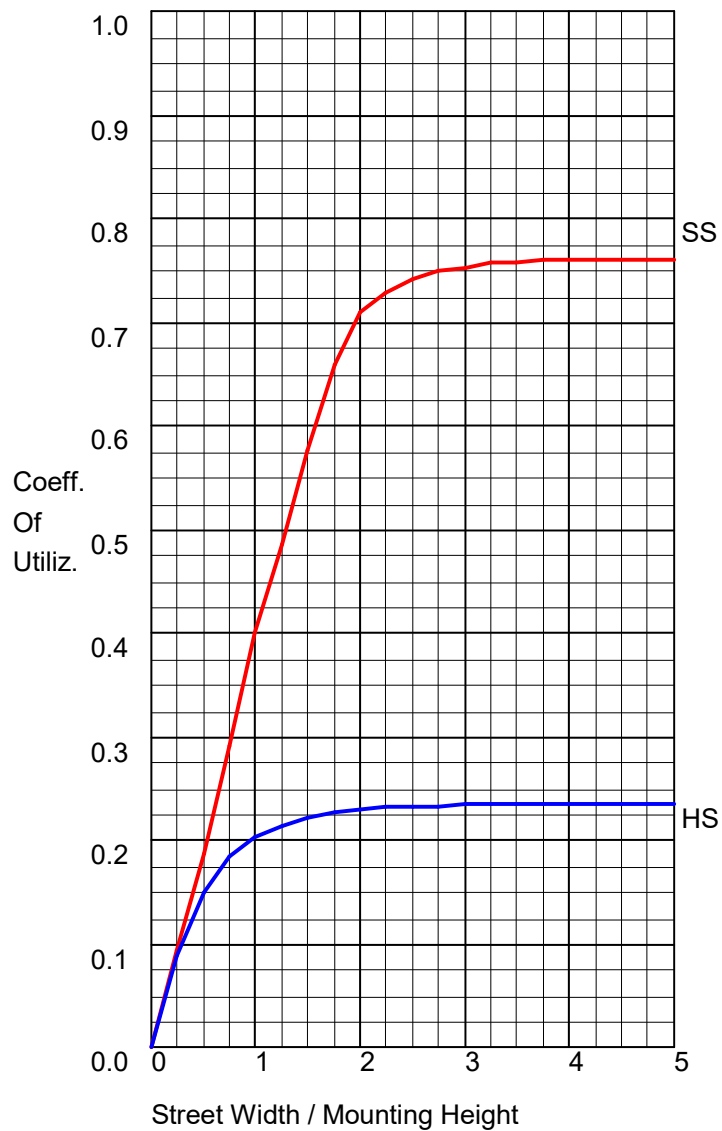
CANDELA TABULATION - (Cont.)

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	5633	5633	5633	5633	5633	5633	5633
5	5743	5789	5840	5884	5922	5955	6015
10	5904	5991	6084	6177	6289	6404	6549
15	6099	6253	6390	6516	6686	6892	7145
20	6304	6506	6698	6918	7174	7509	7923
25	6482	6760	7138	7632	8262	9024	9784
30	6665	7107	7876	9103	10138	11079	11826
35	6890	7556	9026	10692	11801	12820	13706
40	7425	8404	10498	12379	13674	14689	15514
45	8081	9877	12442	14232	15290	15857	16404
50	8963	11140	13856	15763	16823	17016	17324
55	10919	13663	16435	18214	18817	18403	18017
60	14496	17253	19323	20914	20970	19230	17721
65	17088	20059	21166	21611	17680	12479	8276
70	5634	14715	14924	7546	3317	2222	1566
75	986	3602	3111	1548	1128	871	629
80	226	432	462	430	407	315	245
85	42	55	63	70	76	76	49
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

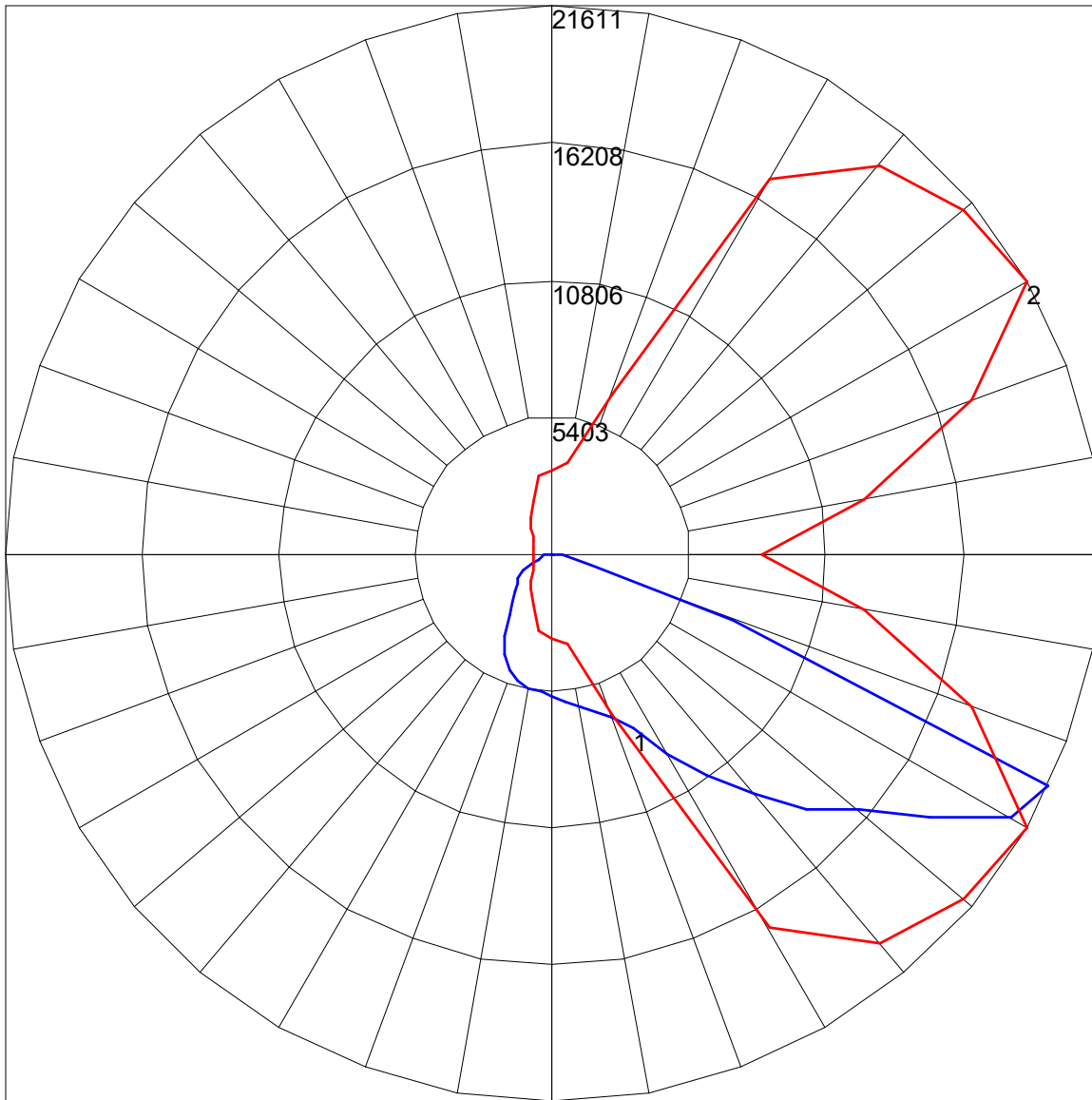
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

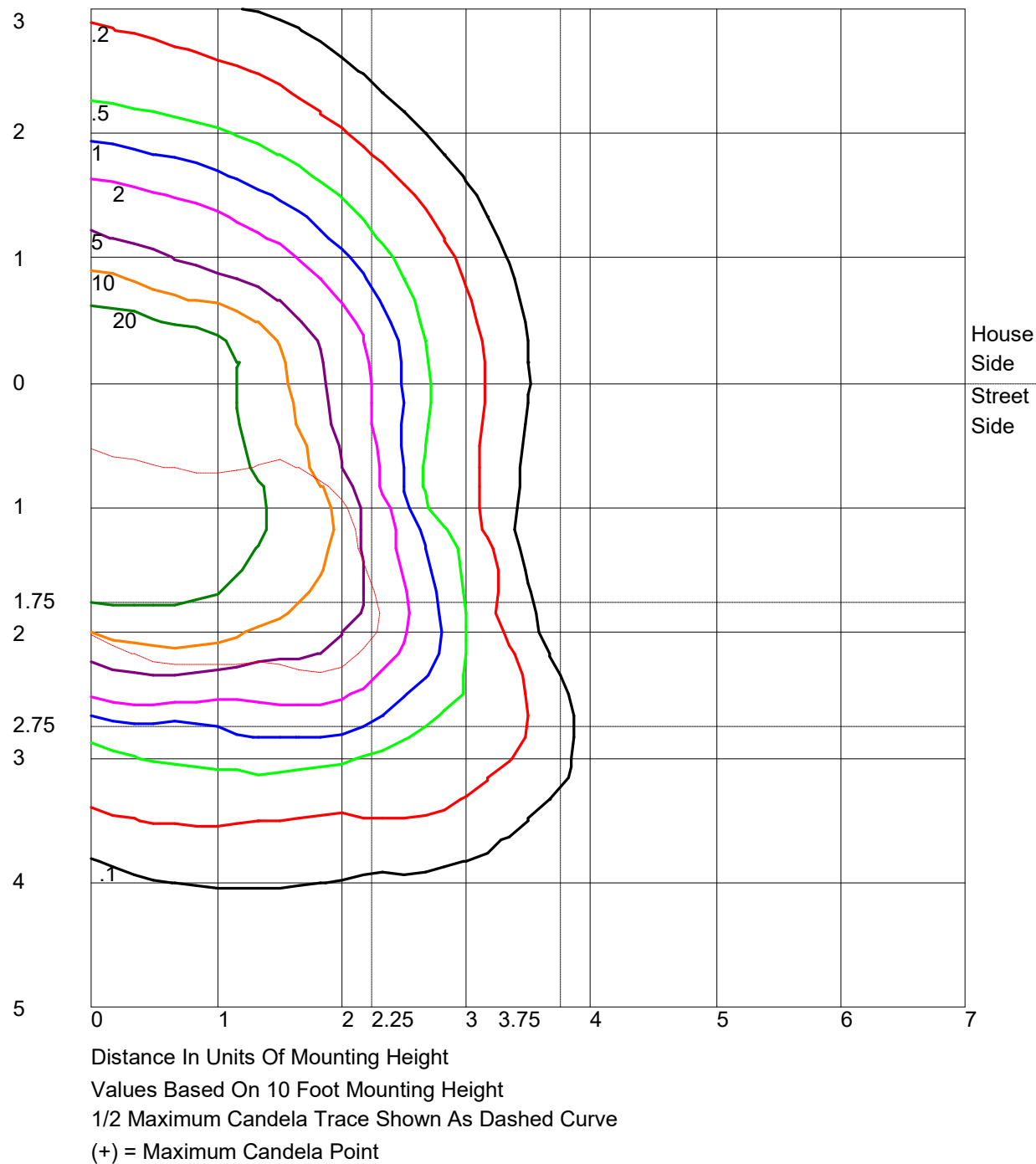
	Lumens	Percent Of Luminaire
Downward Street Side	23813.8	76.4
Downward House Side	7376.0	23.6
Downward Total	31189.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	31189.8	100.0

POLAR GRAPH

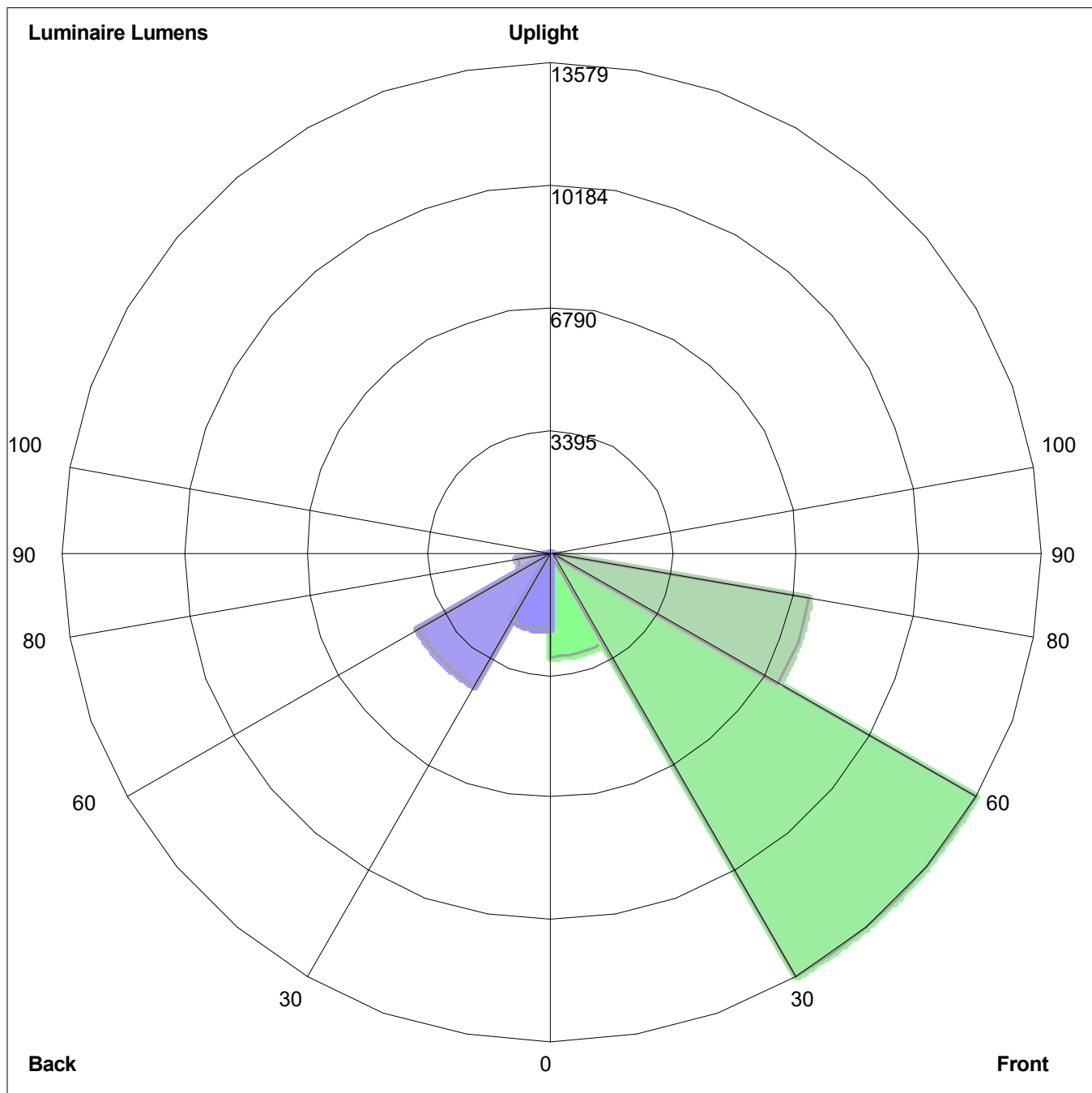


Maximum Candela = 21611 Located At Horizontal Angle = 330, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (330 - 150) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2894.2, Medium=13579.2, High=7284.5, Very High=56.0
Back: Low=2152.9, Medium=4255.7, High=953.7, Very High=13.6
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3