



IES ROAD REPORT

PHOTOMETRIC FILENAME : TEL22-FT-LED-34L-45.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 2,971

[TESTLAB] TUV SUD America

[TESTDATE] 9/28/2016 2:02:32 PM

[ISSUE DATE] 11/15/2019

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] TEL22-FT-LED-34L-45

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

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

[SEARCH_SOURCETYPE] LED

[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	34287
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	299.73
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	18325
Maximum Candela Angle	40H 70V
Maximum Candela (<90 Degrees Vertical)	18325
Maximum Candela Angle (<90 Degrees Vertical)	40H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1383 (4.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	3544.6	N.A.	10.3
FM - Front-Medium (30-60)	11742.1	N.A.	34.2
FH - Front-High (60-80)	9960.7	N.A.	29.1
FVH - Front-Very High (80-90)	106.6	N.A.	0.3
BL - Back-Low (0-30)	2071.0	N.A.	6.0
BM - Back-Medium (30-60)	4670.2	N.A.	13.6
BH - Back-High (60-80)	2155.8	N.A.	6.3
BVH - Back-Very High (80-90)	36.1	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	34287.1	N.A.	100.0
BUG Rating	B3-U0-G4		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	10	20	30	40	50	60	70	80	90
0	8192	8192	8192	8192	8192	8192	8192	8192	8192	8192
5	8923	8918	8875	8811	8705	8819	8726	8540	8320	8092
10	9396	9402	9316	9180	8961	8749	8831	8537	8176	7790
15	9509	9541	9449	9302	9073	8800	8793	8418	7949	7387
20	9181	9157	8988	8837	8867	8716	8638	8142	7561	6868
25	8609	8807	8761	8793	8738	8666	8430	7965	7262	6415
30	8835	8834	8691	8533	8499	8403	8250	7910	7207	6181
35	9516	9297	8897	8694	8677	8493	8486	8288	7580	6423
40	10720	10635	9847	9574	9147	8788	8670	8619	8192	7066
45	10704	11095	10700	10387	9983	9572	9311	9139	8709	7917
50	11804	11934	11641	11144	10740	10282	9881	9604	9312	8727
55	12722	13156	13176	12722	12046	11209	10605	10449	10168	9230
60	14229	14748	15100	14963	13805	12353	12112	12446	11887	10063
65	14482	15629	17072	17776	16214	14734	14698	14254	12666	9139
70	12436	14194	16546	17571	18325	13884	10144	9489	8047	5877
75	3082	5255	8777	12976	11235	4038	1953	1514	1384	1188
80	399	526	837	1383	1343	583	471	445	348	303
85	54	72	98	107	100	88	73	65	56	51
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	8192	8192	8192	8192	8192	8192	8192	8192	8192	8192
5	7838	7601	7363	7152	6980	6844	6749	6703	7186	7199
10	7335	6886	6499	6184	5952	5773	5632	5549	5945	5953
15	6736	6129	5643	5248	4982	4797	4665	4572	4896	4881
20	6069	5372	4789	4415	4174	4062	4014	3954	4148	4125
25	5452	4622	4023	3768	3674	3605	3561	3563	3670	3646
30	5024	3987	3453	3351	3289	3287	3286	3333	3390	3342
35	5024	3789	3237	3038	3055	3119	3231	3390	3354	3267
40	5546	4142	3303	2938	2921	3150	3363	3590	3599	3464
45	6366	4876	3591	2975	2873	3123	3452	3562	3786	3560
50	7220	5375	3983	3054	2725	2915	3209	3240	3493	3310
55	7904	5671	4252	3079	2465	2692	2968	2852	3007	2984

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CANDELA TABULATION - (Cont.)

60	8182	5847	4320	2796	2219	2451	2508	2245	2327	2478
65	7186	5296	3717	2559	1866	1952	2156	1918	1945	2148
70	4236	3411	2414	1634	1384	1463	1591	1371	1458	1652
75	1105	1046	972	838	797	922	850	560	740	846
80	314	296	313	279	281	272	195	103	179	178
85	44	37	31	24	22	19	12	6	16	15
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	8192	8192	8192	8192	8192	8192	8192	8192	8192	8192
5	7230	7287	7353	7447	7565	7689	7822	7960	8110	8269
10	5986	6046	6191	6392	6657	6954	7269	7594	7906	8226
15	4881	4956	5134	5354	5701	6132	6611	7103	7583	8045
20	4087	4093	4177	4399	4779	5286	5939	6587	7219	7802
25	3627	3628	3642	3653	3927	4516	5351	6195	6977	7647
30	3312	3314	3316	3321	3407	4030	5086	6193	7125	7795
35	3188	3131	3098	3100	3304	3969	5294	6617	7664	8322
40	3307	3116	3007	3040	3478	4505	5966	7376	8366	8736
45	3352	3062	2940	3113	3876	5266	6784	8219	8743	9163
50	3162	2845	2744	3233	4264	5683	7637	8730	9420	9673
55	2959	2556	2459	3235	4424	5936	8296	9573	10548	10746
60	2586	2265	2222	2870	4405	6031	8337	10127	12529	13161
65	2163	1809	1833	2529	3379	4882	6720	8679	11966	13190
70	1627	1370	1290	1446	1919	2395	2641	3416	4218	5560
75	941	885	717	658	646	614	579	576	653	797
80	252	264	218	172	156	157	158	148	178	232
85	19	19	16	15	15	16	20	23	26	31
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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PHOTOMETRIC FILENAME : TEL22-FT-LED-34L-45.IES

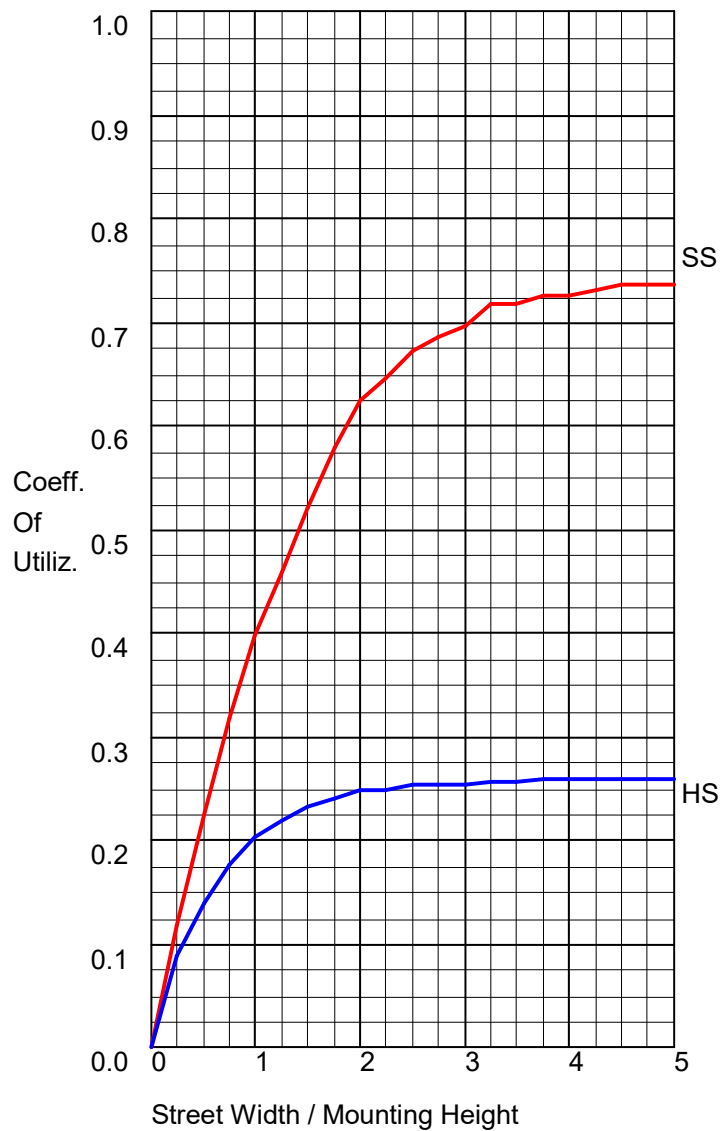
CANDELA TABULATION - (Cont.)

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. Horizontal Angles
Angles

	300	310	320	330	340	350	360
0	8192	8192	8192	8192	8192	8192	8192
5	8411	8553	8677	8773	8631	8676	8923
10	8498	8740	8623	8809	8980	9113	9396
15	8431	8781	8731	8958	9174	9379	9509
20	8247	8608	8858	8680	8773	9021	9181
25	8051	8275	8446	8626	8719	8825	8609
30	8042	8125	8333	8424	8549	8745	8835
35	8438	8405	8582	8793	8626	8836	9516
40	8688	8751	8991	9364	9563	10094	10720
45	9250	9415	9784	10141	10358	10834	10704
50	9783	10119	10537	10933	11229	11449	11804
55	10573	11016	11767	12448	12755	12805	12722
60	12524	12387	13448	14688	14756	14213	14229
65	14025	15155	16108	17395	16940	16004	14482
70	6629	11608	17765	17283	16919	15144	12436
75	1071	1905	9777	12724	10397	8514	3082
80	293	403	864	1185	987	732	399
85	38	49	72	104	128	140	54
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

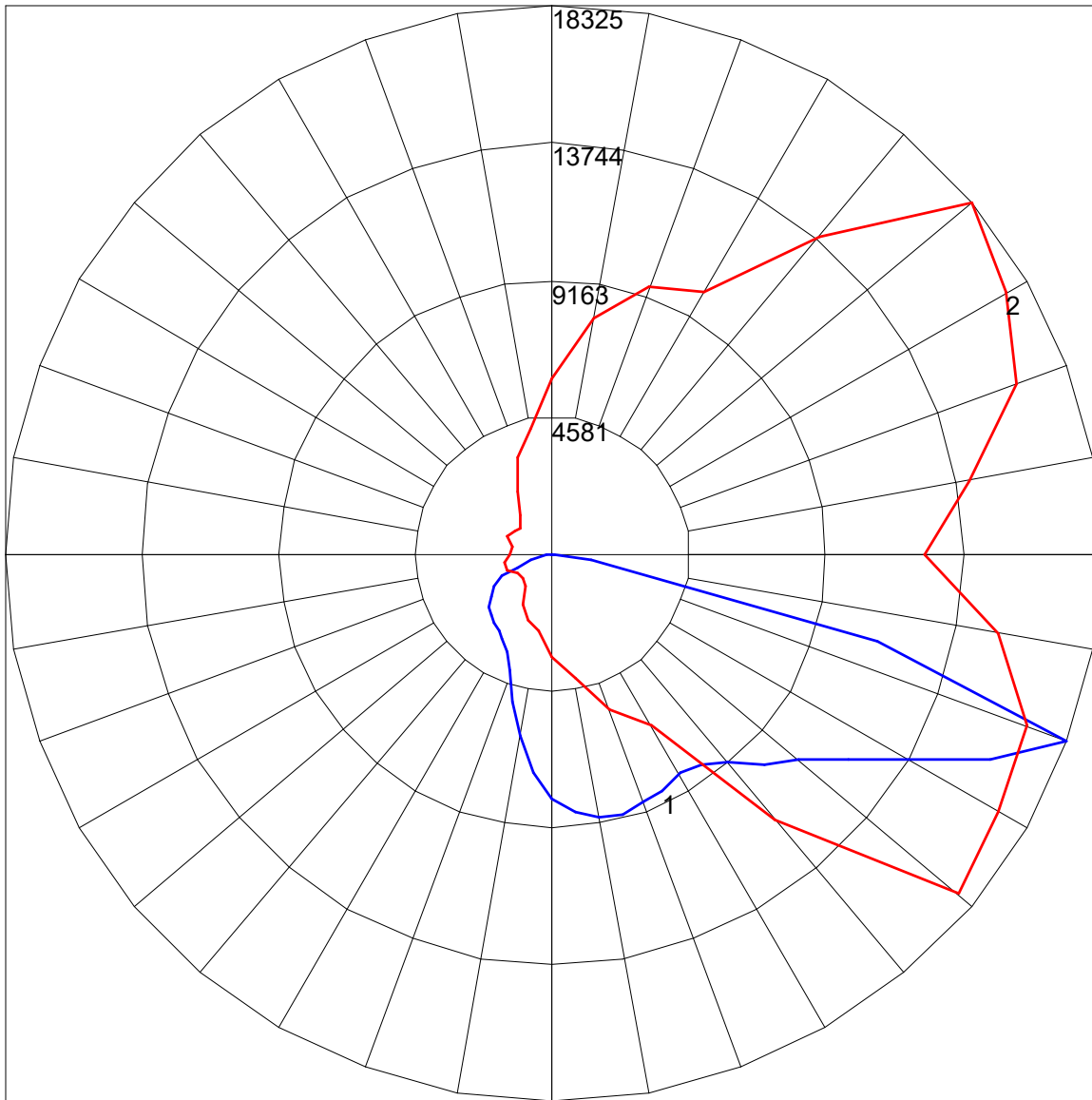
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

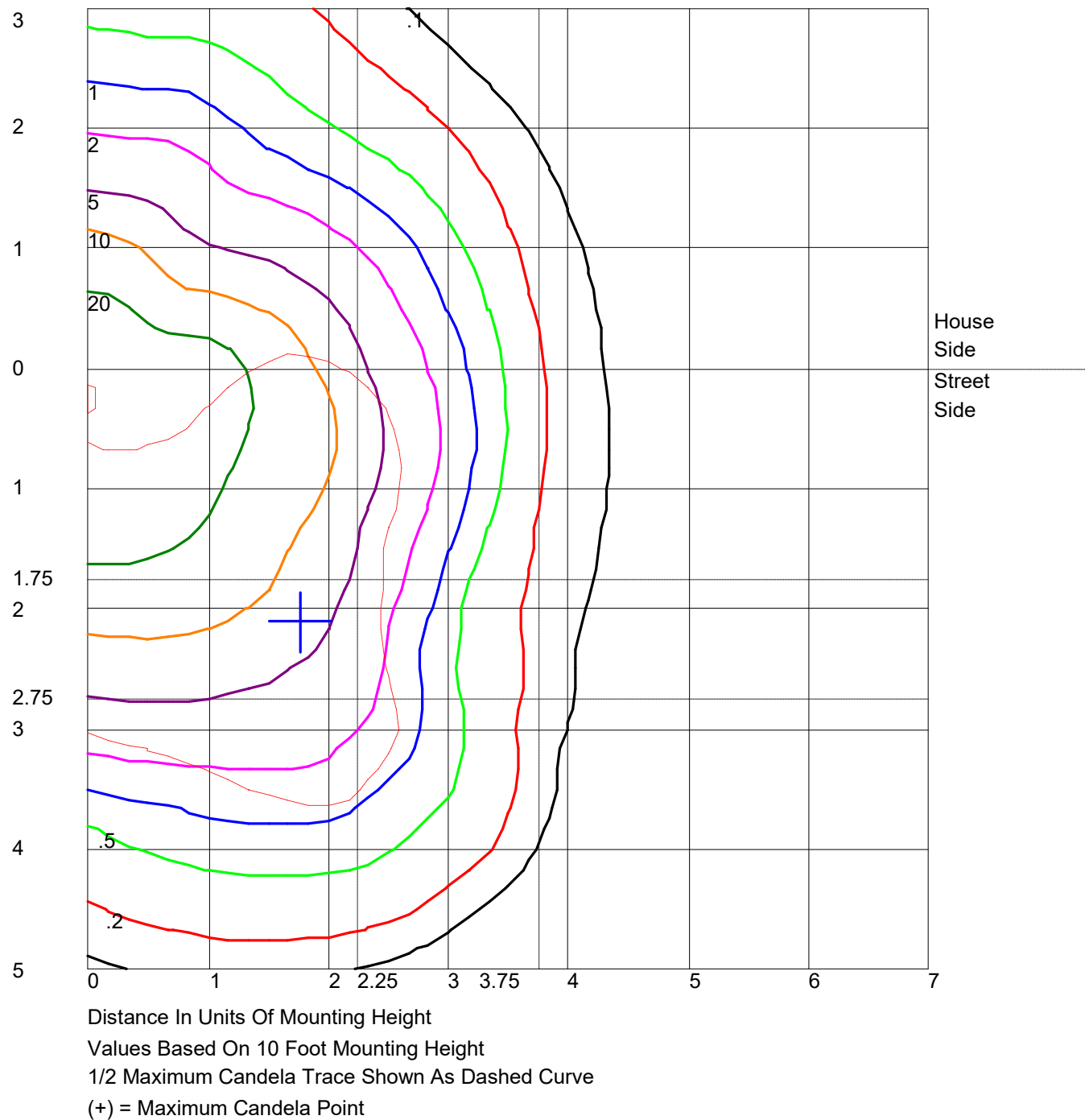
	Lumens	Percent Of Luminaire
Downward Street Side	25354.0	73.9
Downward House Side	8933.1	26.1
Downward Total	34287.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	34287.1	100.0

POLAR GRAPH

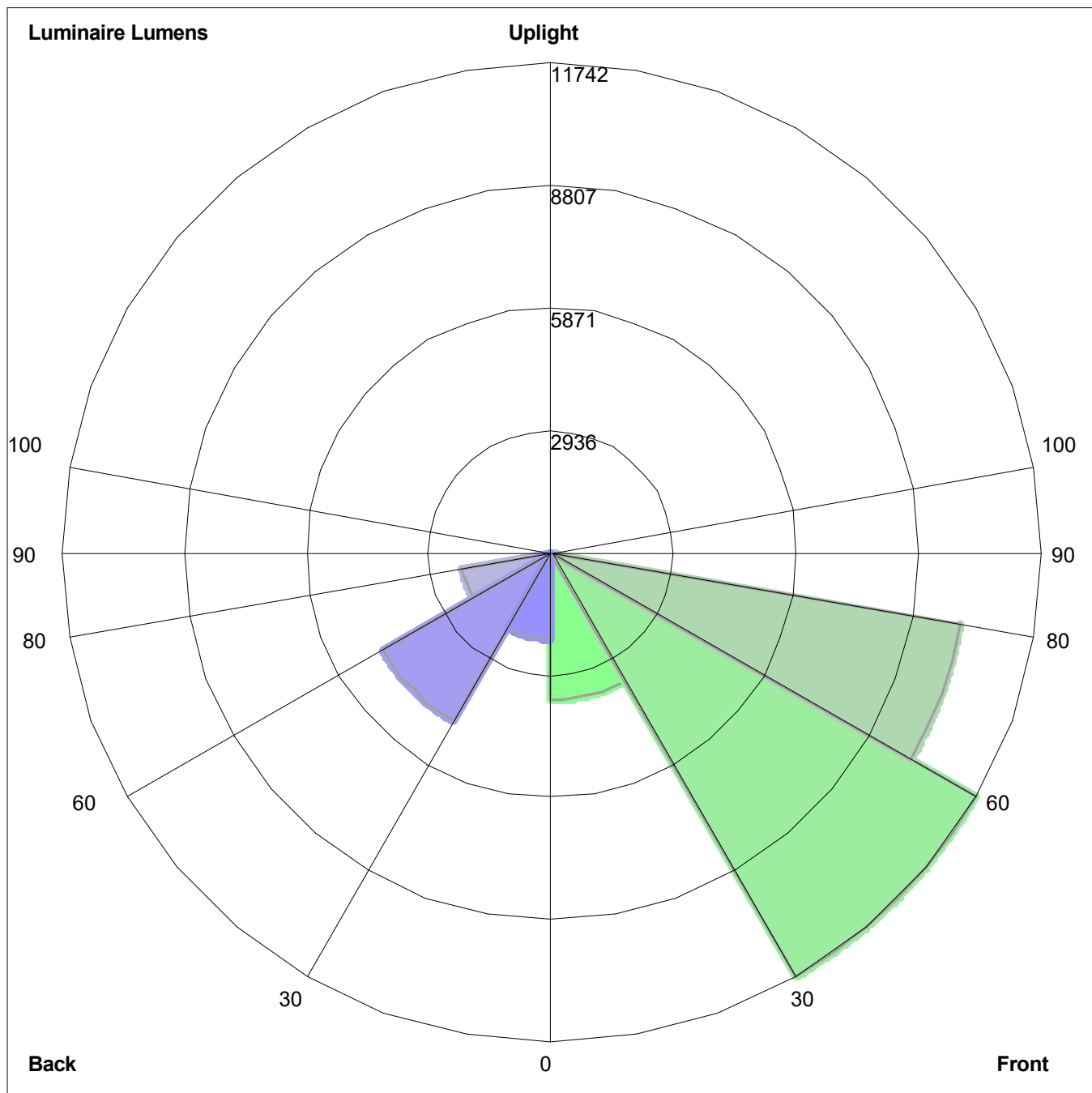


Maximum Candela = 18325 Located At Horizontal Angle = 40, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (40 - 220) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=3544.6, Medium=11742.1, High=9960.7, Very High=106.6
Back: Low= 2071.0, Medium=4670.2, High=2155.8, Very High=36.1
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G4