



IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-FT-LED-26L-45.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 3030
[TESTLAB] TUV SUD America
[TESTDATE] 1/12/2017 11:12:57 AM
[ISSUE DATE] 11/15/2019
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] TEL22-FT-LED-26L-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	29483
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	266.09
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	16703
Maximum Candela Angle	320H 70V
Maximum Candela (<90 Degrees Vertical)	16703
Maximum Candela Angle (<90 Degrees Vertical)	320H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1224 (4.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2997.5	N.A.	10.2
FM - Front-Medium (30-60)	9979.1	N.A.	33.8
FH - Front-High (60-80)	8818.8	N.A.	29.9
FVH - Front-Very High (80-90)	97.0	N.A.	0.3
BL - Back-Low (0-30)	1704.6	N.A.	5.8
BM - Back-Medium (30-60)	3900.0	N.A.	13.2
BH - Back-High (60-80)	1951.2	N.A.	6.6
BVH - Back-Very High (80-90)	34.5	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	29482.7	N.A.	100.0
BUG Rating	B3-U0-G4		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>60</u>	<u>70</u>	<u>80</u>	<u>90</u>
0	6816	6816	6816	6816	6816	6816	6816	6816	6816	6816
5	7730	7612	7550	7472	7379	7258	7126	6975	6814	6658
10	8290	8168	8042	7870	7683	7475	7249	7003	6716	6395
15	8315	8278	8157	8016	7841	7572	7253	6887	6472	5993
20	7969	7898	7743	7691	7609	7381	7036	6624	6144	5522
25	7313	7375	7311	7371	7218	7018	6779	6437	5915	5165
30	7288	7227	7093	7067	7004	6847	6737	6496	5973	5068
35	8016	7766	7484	7383	7174	6987	6986	6839	6302	5282
40	9156	8985	8307	8159	7772	7453	7368	7333	6852	5887
45	9048	9328	8980	8817	8407	7992	7836	7802	7492	6680
50	9713	9726	9608	9327	8959	8597	8334	8282	8152	7470
55	10582	10903	10800	10553	10062	9454	9090	9253	9165	8352
60	12091	12458	12747	12618	11652	10802	10882	11480	11132	9145
65	12652	13938	15103	15668	14424	13608	12994	12806	11817	8405
70	10538	12553	15044	16516	16703	11684	6717	6064	5515	4326
75	2489	5328	7893	11793	9143	1815	1022	914	936	872
80	350	550	945	1224	957	416	311	263	222	201
85	57	96	106	106	84	60	49	43	38	34
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
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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>100</u>	<u>110</u>	<u>120</u>	<u>130</u>	<u>140</u>	<u>150</u>	<u>160</u>	<u>170</u>	<u>180</u>	<u>190</u>
0	6816	6816	6816	6816	6816	6816	6816	6816	6816	6816
5	6489	6338	6190	6074	5970	5888	5841	5809	5955	5809
10	6067	5751	5458	5226	5050	4919	4835	4795	4919	4795
15	5500	5050	4670	4369	4163	4025	3953	3913	4011	3913
20	4877	4305	3878	3608	3477	3417	3379	3357	3413	3357
25	4345	3634	3208	3074	3043	3002	2976	2980	3016	2980
30	4021	3161	2803	2756	2727	2725	2721	2748	2782	2748
35	4039	3048	2671	2543	2548	2565	2613	2691	2732	2691
40	4562	3407	2720	2482	2446	2554	2718	2877	2958	2877
45	5358	4075	2991	2517	2396	2546	2838	3007	3202	3007
50	6255	4545	3394	2585	2275	2398	2705	2812	3060	2812
55	6960	5014	3722	2630	2048	2233	2537	2503	2595	2503

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CANDELA TABULATION - (Cont.)

60	7305	5294	3895	2451	1849	2037	2244	2070	2024	2070
65	6194	4600	3237	2234	1594	1655	1936	1806	1753	1806
70	3221	2637	1989	1406	1188	1266	1479	1360	1321	1360
75	837	806	751	691	695	834	850	676	668	676
80	225	222	226	208	238	268	221	125	139	125
85	30	26	23	22	21	20	15	9	14	9
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	6816	6816	6816	6816	6816	6816	6816	6816	6816	6816
5	5841	5888	5970	6074	6190	6338	6489	6658	6814	6975
10	4835	4919	5050	5226	5458	5751	6067	6395	6716	7003
15	3953	4025	4163	4369	4670	5050	5500	5993	6472	6887
20	3379	3417	3477	3608	3878	4305	4877	5522	6144	6624
25	2976	3002	3043	3074	3208	3634	4345	5165	5915	6437
30	2721	2725	2727	2756	2803	3161	4021	5068	5973	6496
35	2613	2565	2548	2543	2671	3048	4039	5282	6302	6839
40	2718	2554	2446	2482	2720	3407	4562	5887	6852	7333
45	2838	2546	2396	2517	2991	4075	5358	6680	7492	7802
50	2705	2398	2275	2585	3394	4545	6255	7470	8152	8282
55	2537	2233	2048	2630	3722	5014	6960	8352	9165	9253
60	2244	2037	1849	2451	3895	5294	7305	9145	11132	11480
65	1936	1655	1594	2234	3237	4600	6194	8405	11817	12806
70	1479	1266	1188	1406	1989	2637	3221	4326	5515	6064
75	850	834	695	691	751	806	837	872	936	914
80	221	268	238	208	226	222	225	201	222	263
85	15	20	21	22	23	26	30	34	38	43
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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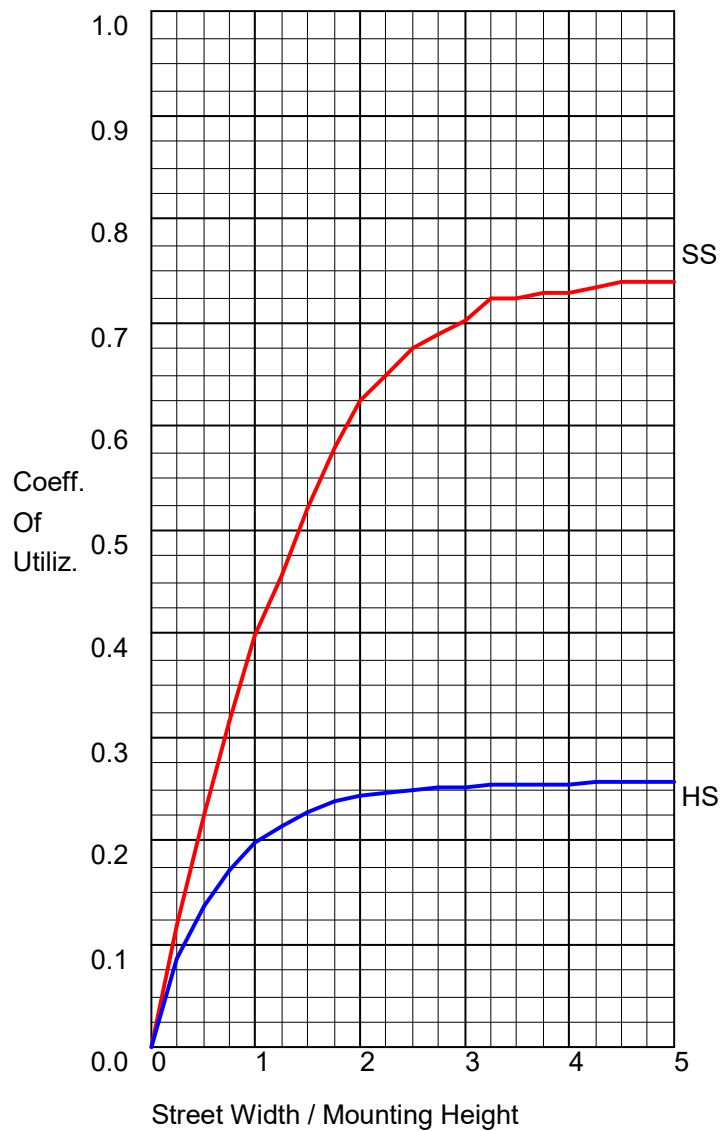
CANDELA TABULATION - (Cont.)

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. Horizontal Angles
Angles

	300	310	320	330	340	350	360
0	6816	6816	6816	6816	6816	6816	6816
5	7126	7258	7379	7472	7550	7612	7730
10	7249	7475	7683	7870	8042	8168	8290
15	7253	7572	7841	8016	8157	8278	8315
20	7036	7381	7609	7691	7743	7898	7969
25	6779	7018	7218	7371	7311	7375	7313
30	6737	6847	7004	7067	7093	7227	7288
35	6986	6987	7174	7383	7484	7766	8016
40	7368	7453	7772	8159	8307	8985	9156
45	7836	7992	8407	8817	8980	9328	9048
50	8334	8597	8959	9327	9608	9726	9713
55	9090	9454	10062	10553	10800	10903	10582
60	10882	10802	11652	12618	12747	12458	12091
65	12994	13608	14424	15668	15103	13938	12652
70	6717	11684	16703	16516	15044	12553	10538
75	1022	1815	9143	11793	7893	5328	2489
80	311	416	957	1224	945	550	350
85	49	60	84	106	106	96	57
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

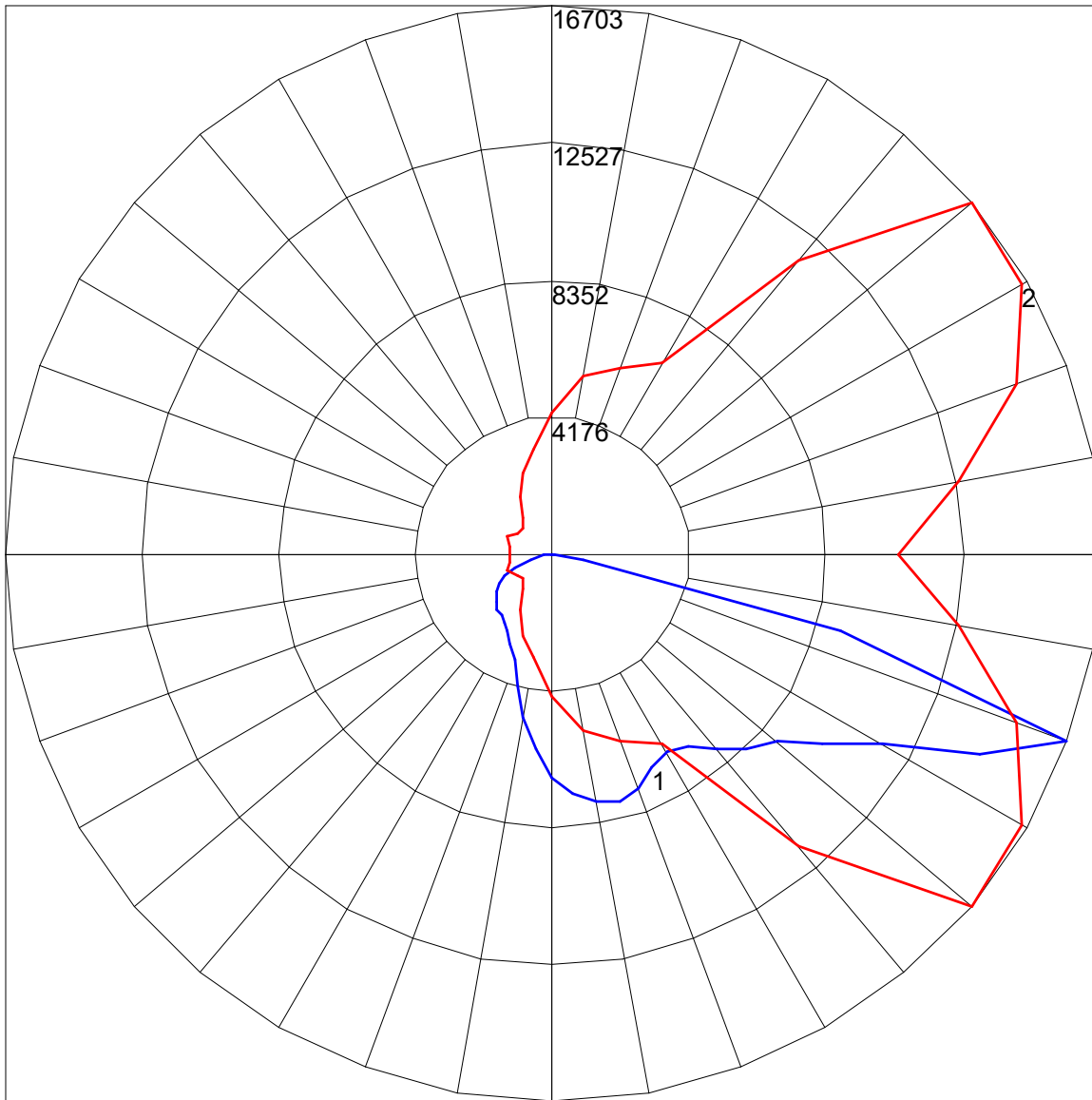
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

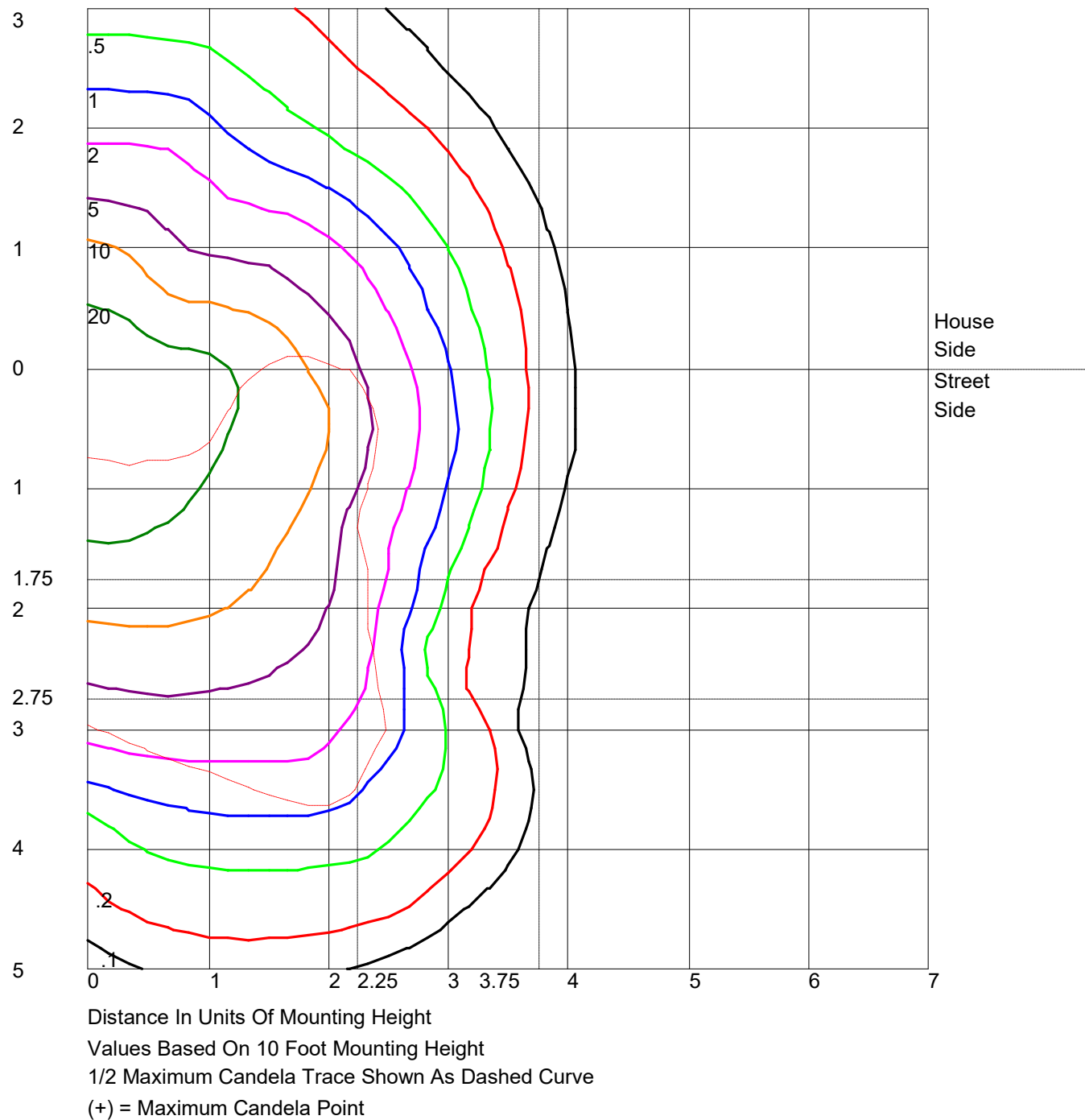
	Lumens	Percent Of Luminaire
Downward Street Side	21892.4	74.3
Downward House Side	7590.3	25.7
Downward Total	29482.7	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	29482.7	100.0

POLAR GRAPH

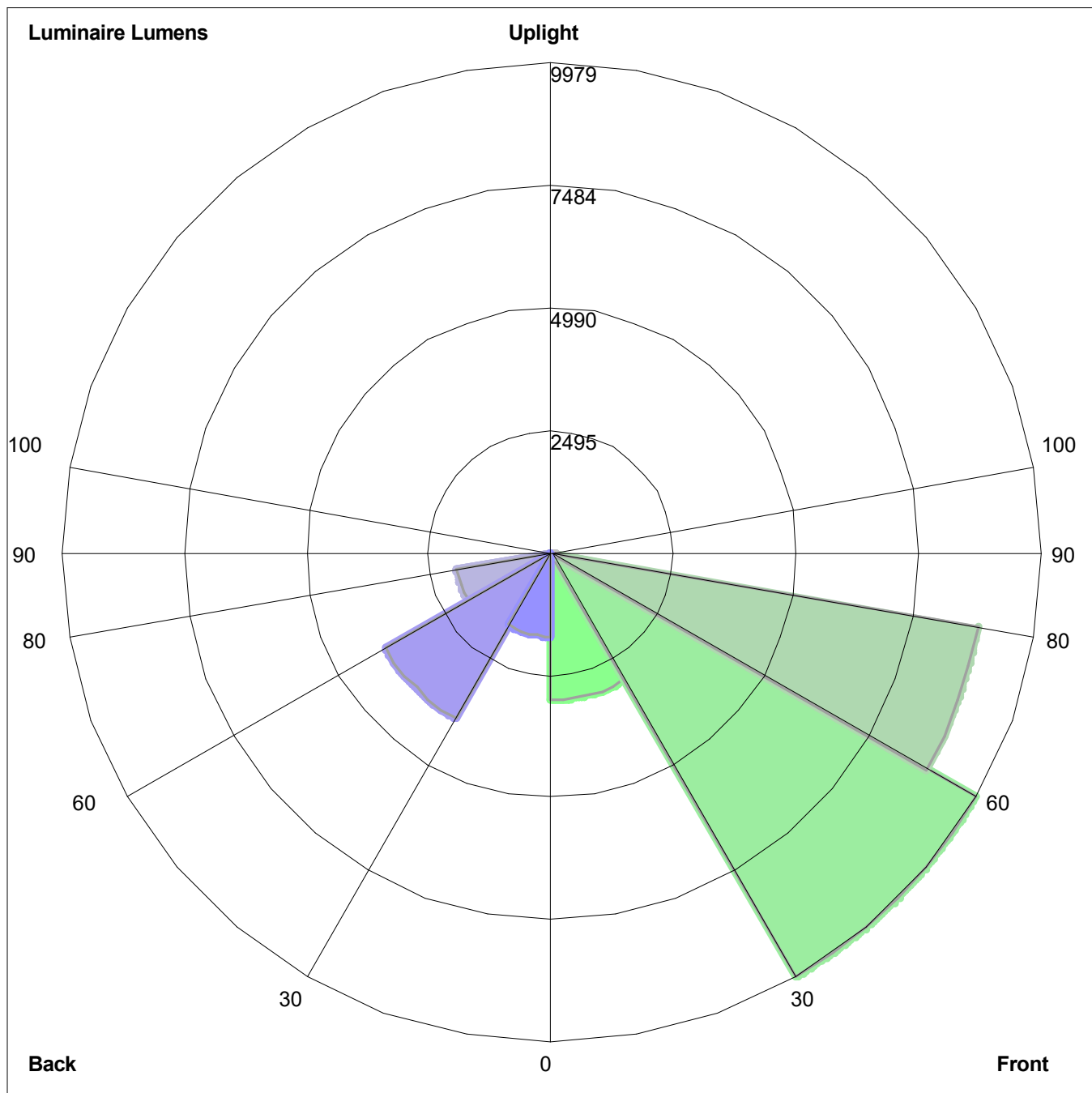


Maximum Candela = 16703 Located At Horizontal Angle = 320, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (320 - 140) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2997.5, Medium=9979.1, High=8818.8, Very High=97.0
Back: Low=1704.6, Medium= 3900.0, High=1951.2, Very High=34.5
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G4