



IES ROAD REPORT

PHOTOMETRIC FILENAME : TEL22-FT-LED-41L-45.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 3097

[TESTLAB] TUV SUD America

[TESTDATE] 4/4/2017 2:59:01 PM

[MANUFAC] LSI INDUSTRIES, INC.

[ISSUEDATE] 11/15/2019

[LUMCAT] TEL22-FT-LED-41L-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	40790
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	357.04
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	21728
Maximum Candela Angle	320H 70V
Maximum Candela (<90 Degrees Vertical)	21728
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	2554 (6.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-FT-LED-41L-45.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	4165.2	N.A.	10.2
FM - Front-Medium (30-60)	14028.9	N.A.	34.4
FH - Front-High (60-80)	12223.6	N.A.	30.0
FVH - Front-Very High (80-90)	164.1	N.A.	0.4
BL - Back-Low (0-30)	2356.8	N.A.	5.8
BM - Back-Medium (30-60)	5361.8	N.A.	13.1
BH - Back-High (60-80)	2452.7	N.A.	6.0
BVH - Back-Very High (80-90)	37.2	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	40790.3	N.A.	100.0
BUG Rating	B4-U0-G5		

IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-FT-LED-41L-45.IES

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	9328	9328	9328	9328	9328	9328	9328	9328	9328	9328
5	10604	10486	10424	10320	10194	10030	9827	9619	9387	9143
10	11218	11091	10956	10756	10520	10275	9992	9640	9236	8746
15	11497	11410	11191	10930	10646	10324	9956	9501	8920	8258
20	11186	11043	10802	10635	10503	10202	9730	9202	8472	7681
25	10581	10555	10333	10236	10071	9865	9540	8988	8166	7202
30	10477	10352	10087	9964	9896	9687	9465	9049	8205	7046
35	11259	10854	10558	10349	10094	9902	9857	9564	8698	7422
40	12788	12458	11669	11405	10917	10593	10510	10324	9507	8243
45	13007	13352	12682	12416	11894	11441	11237	11041	10352	9295
50	14306	14187	13837	13333	12816	12292	11854	11587	11193	10185
55	15295	15795	15669	15096	14285	13371	12665	12618	12260	11155
60	17016	17466	17888	17700	16331	14790	14550	15049	14327	11982
65	17860	19300	20488	20943	19139	17636	17307	16195	14545	10522
70	15855	18052	20238	20977	21728	15920	10894	9487	7270	5474
75	6239	9825	12904	16289	13526	4037	1868	1295	1126	1011
80	604	905	1392	2554	1763	622	474	415	314	257
85	108	165	184	170	129	92	70	59	51	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
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>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	9328	9328	9328	9328	9328	9328	9328	9328	9328	9328
5	8889	8632	8414	8225	8074	7940	7862	7814	7981	7814
10	8267	7810	7404	7087	6859	6687	6578	6514	6626	6514
15	7573	6936	6405	6017	5725	5541	5433	5368	5479	5368
20	6834	6060	5451	5017	4775	4673	4636	4606	4671	4606
25	6159	5209	4539	4269	4213	4151	4117	4130	4170	4130
30	5762	4573	3952	3850	3803	3792	3792	3854	3894	3854
35	5862	4421	3779	3544	3543	3611	3723	3880	3942	3880
40	6553	4938	3871	3455	3418	3623	3861	4091	4248	4091
45	7496	5790	4251	3497	3348	3550	3925	4091	4347	4091
50	8456	6263	4717	3584	3139	3296	3672	3764	3974	3764
55	9279	6610	4974	3604	2819	3020	3402	3342	3405	3342

IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-FT-LED-41L-45.IES

CANDELA TABULATION - (Cont.)

60	9485	6774	5015	3268	2540	2709	2884	2664	2563	2664
65	7763	5777	4084	2946	2101	2153	2457	2308	2144	2308
70	4002	3275	2542	1756	1507	1605	1817	1682	1574	1682
75	949	958	905	838	849	979	966	706	704	706
80	263	251	253	238	263	269	209	128	135	128
85	36	28	24	21	20	18	14	9	13	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	9328	9328	9328	9328	9328	9328	9328	9328	9328	9328
5	7862	7940	8074	8225	8414	8632	8889	9143	9387	9619
10	6578	6687	6859	7087	7404	7810	8267	8746	9236	9640
15	5433	5541	5725	6017	6405	6936	7573	8258	8920	9501
20	4636	4673	4775	5017	5451	6060	6834	7681	8472	9202
25	4117	4151	4213	4269	4539	5209	6159	7202	8166	8988
30	3792	3792	3803	3850	3952	4573	5762	7046	8205	9049
35	3723	3611	3543	3544	3779	4421	5862	7422	8698	9564
40	3861	3623	3418	3455	3871	4938	6553	8243	9507	10324
45	3925	3550	3348	3497	4251	5790	7496	9295	10352	11041
50	3672	3296	3139	3584	4717	6263	8456	10185	11193	11587
55	3402	3020	2819	3604	4974	6610	9279	11155	12260	12618
60	2884	2709	2540	3268	5015	6774	9485	11982	14327	15049
65	2457	2153	2101	2946	4084	5777	7763	10522	14545	16195
70	1817	1605	1507	1756	2542	3275	4002	5474	7270	9487
75	966	979	849	838	905	958	949	1011	1126	1295
80	209	269	263	238	253	251	263	257	314	415
85	14	18	20	21	24	28	36	43	51	59
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-FT-LED-41L-45.IES

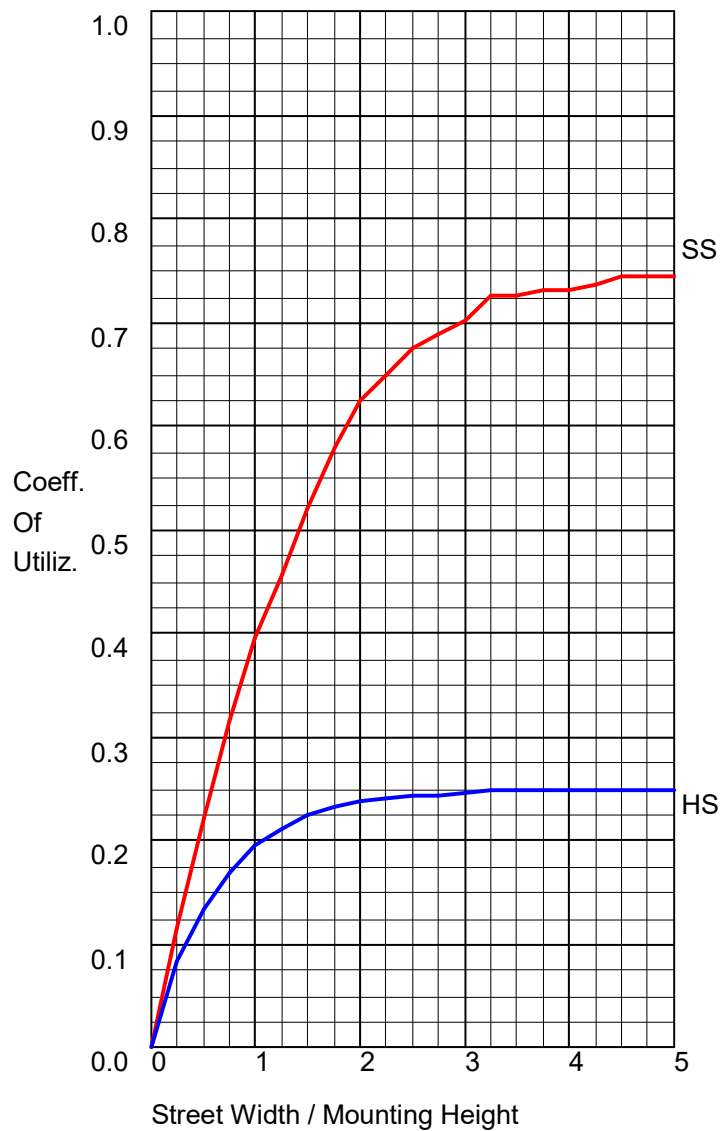
CANDELA TABULATION - (Cont.)

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	9328	9328	9328	9328	9328	9328	9328
5	9827	10030	10194	10320	10424	10486	10604
10	9992	10275	10520	10756	10956	11091	11218
15	9956	10324	10646	10930	11191	11410	11497
20	9730	10202	10503	10635	10802	11043	11186
25	9540	9865	10071	10236	10333	10555	10581
30	9465	9687	9896	9964	10087	10352	10477
35	9857	9902	10094	10349	10558	10854	11259
40	10510	10593	10917	11405	11669	12458	12788
45	11237	11441	11894	12416	12682	13352	13007
50	11854	12292	12816	13333	13837	14187	14306
55	12665	13371	14285	15096	15669	15795	15295
60	14550	14790	16331	17700	17888	17466	17016
65	17307	17636	19139	20943	20488	19300	17860
70	10894	15920	21728	20977	20238	18052	15855
75	1868	4037	13526	16289	12904	9825	6239
80	474	622	1763	2554	1392	905	604
85	70	92	129	170	184	165	108
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

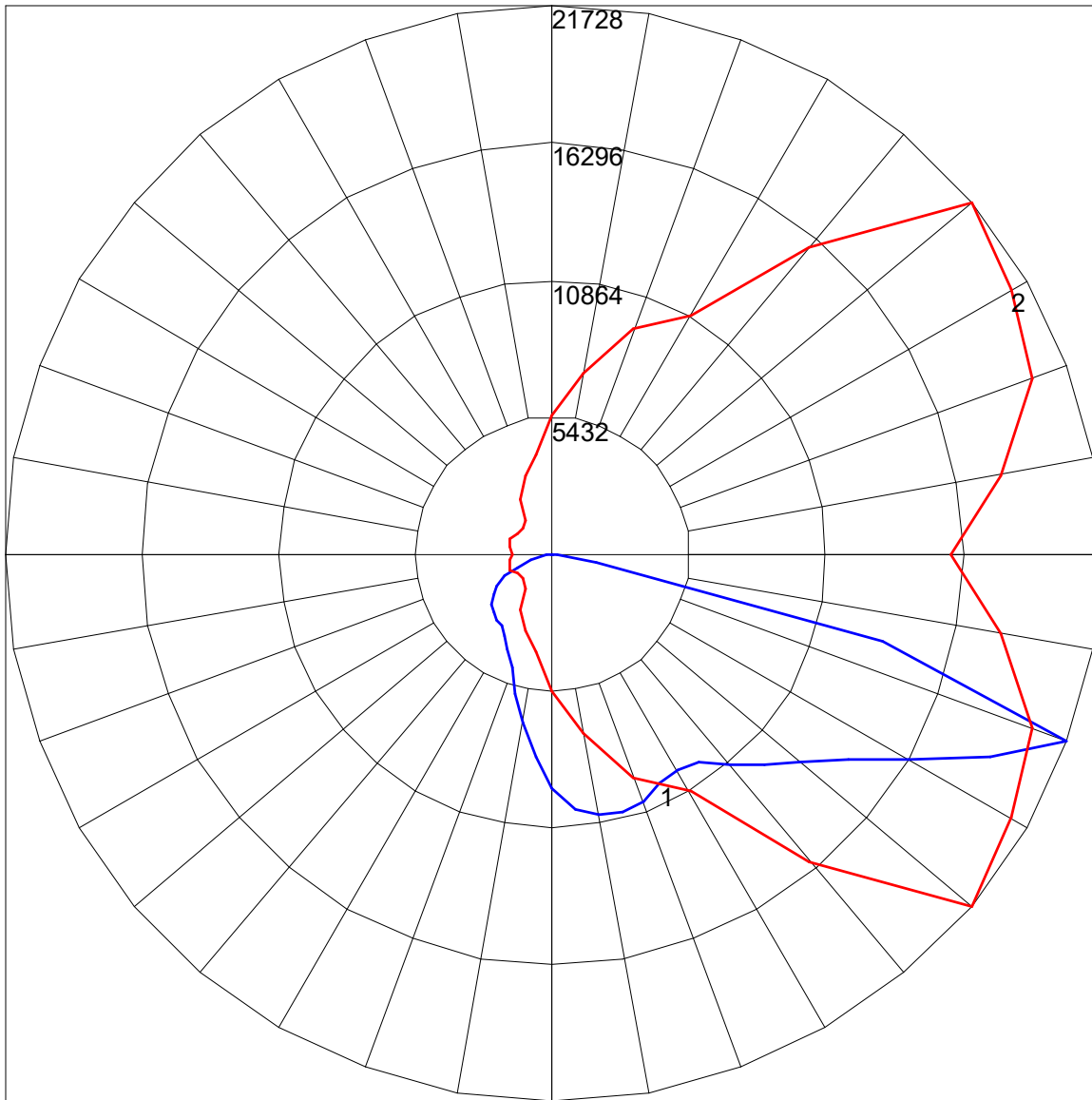
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

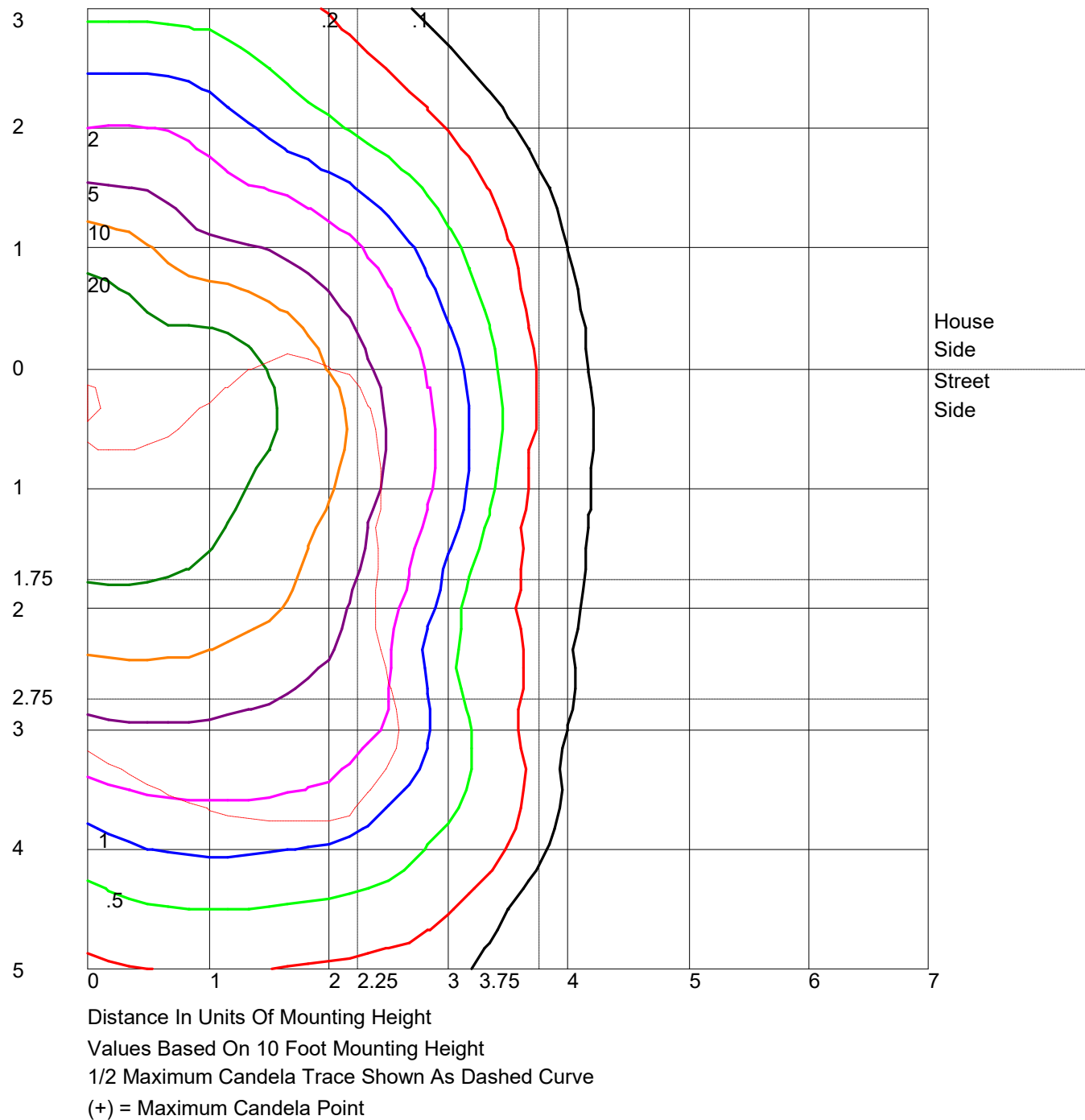
	Lumens	Percent Of Luminaire
Downward Street Side	30581.9	75.0
Downward House Side	10208.5	25.0
Downward Total	40790.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	40790.3	100.0

POLAR GRAPH

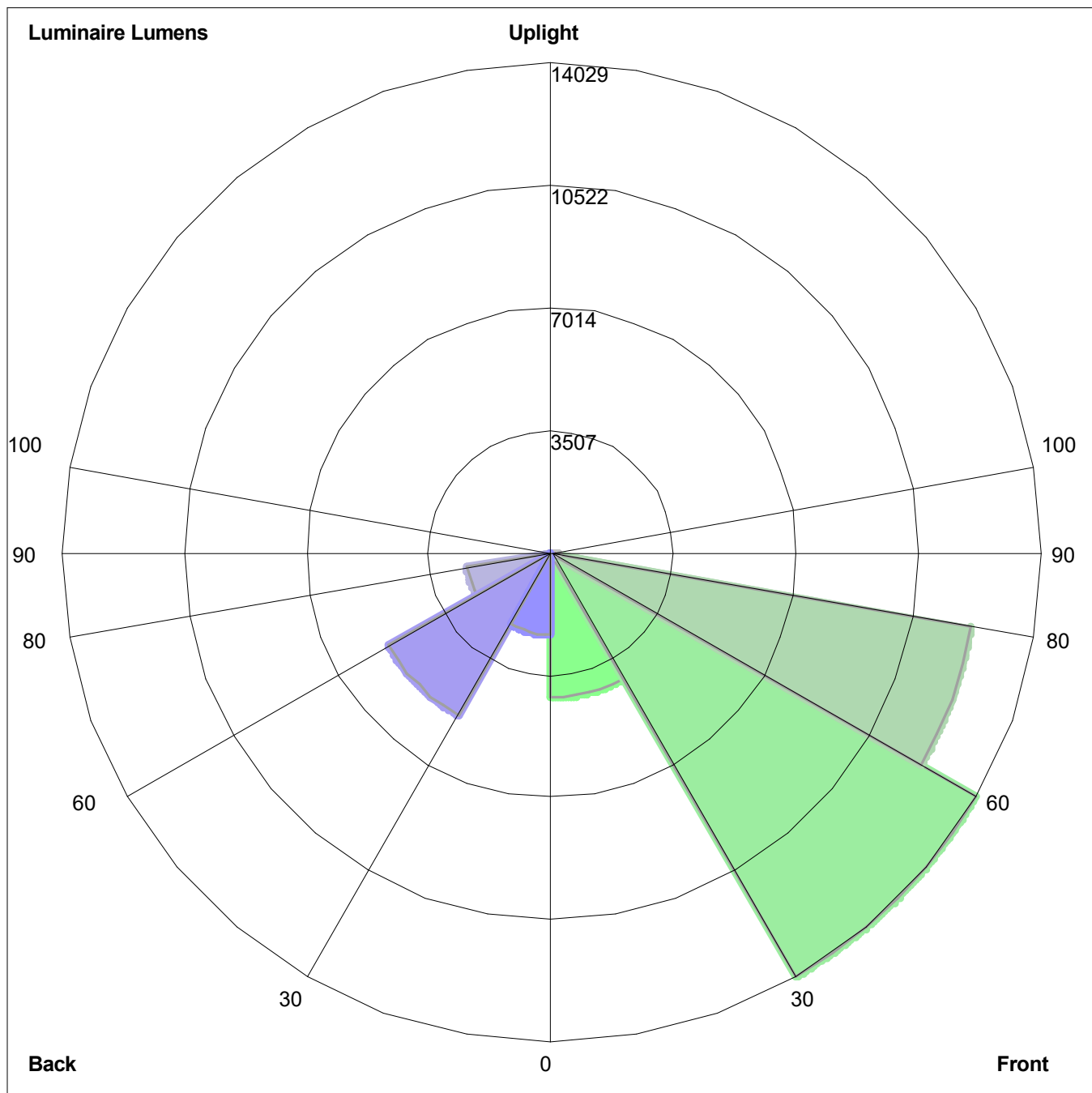


Maximum Candela = 21728 Located At Horizontal Angle = 320, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (320 - 140) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=4165.2, Medium=14028.9, High=12223.6, Very High=164.1
Back: Low=2356.8, Medium=5361.8, High=2452.7, Very High=37.2
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G5