



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

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] 3031  
[TESTLAB] TUV SUD America  
[TESTDATE] 1/12/2017 1:41:22 PM  
[ISSUEDATE] 11/15/2019  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] TEL22-SC-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 III
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	30203
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	265.71
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	17928
Maximum Candela Angle	320H 60V
Maximum Candela (<90 Degrees Vertical)	17928
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	2275 (7.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2668.8	N.A.	8.8
FM - Front-Medium (30-60)	12940.7	N.A.	42.8
FH - Front-High (60-80)	8043.8	N.A.	26.6
FVH - Front-Very High (80-90)	221.1	N.A.	0.7
BL - Back-Low (0-30)	1215.9	N.A.	4.0
BM - Back-Medium (30-60)	3656.2	N.A.	12.1
BH - Back-High (60-80)	1422.7	N.A.	4.7
BVH - Back-Very High (80-90)	34.1	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	30203.3	N.A.	100.0
BUG Rating	B3-U0-G4		

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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<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>
<b>0</b>	3628	3628	3628	3628	3628	3628	3628	3628	3628	3628
<b>5</b>	4902	4690	4620	4522	4402	4260	4105	3941	3773	3613
<b>10</b>	6050	5863	5740	5585	5380	5084	4750	4403	4052	3723
<b>15</b>	7001	6776	6641	6451	6221	5919	5487	4937	4395	3917
<b>20</b>	7778	7583	7418	7202	6911	6545	6087	5470	4763	4141
<b>25</b>	8414	8220	8046	7783	7478	7115	6659	6026	5178	4387
<b>30</b>	9129	8862	8608	8238	7956	7718	7396	6757	5780	4742
<b>35</b>	9996	9693	9246	8718	8535	8793	8841	8395	7297	5856
<b>40</b>	10723	10462	9934	9459	9777	10516	10851	10436	9179	7321
<b>45</b>	11569	11263	10704	10640	11612	12678	12534	11365	9824	7733
<b>50</b>	12615	12359	11788	12114	13770	14549	13534	11603	9449	7103
<b>55</b>	13713	13624	13151	13812	15654	16483	15035	11905	8977	6448
<b>60</b>	13860	14257	14014	15333	17928	17648	16211	12349	8742	5702
<b>65</b>	7424	9829	11238	13596	17500	17214	15823	11521	7769	4440
<b>70</b>	2984	3756	5964	7294	10606	12676	12022	8994	5376	2846
<b>75</b>	1278	1490	2953	4147	5540	7450	6915	5109	3040	1335
<b>80</b>	374	561	1119	1566	1850	2275	2246	1752	955	386
<b>85</b>	46	83	118	143	132	161	130	89	66	44
<b>90</b>	0	0	0	0	0	0	0	0	0	0
<b>95</b>	0	0	0	0	0	0	0	0	0	0
<b>100</b>	0	0	0	0	0	0	0	0	0	0
<b>105</b>	0	0	0	0	0	0	0	0	0	0
<b>110</b>	0	0	0	0	0	0	0	0	0	0
<b>115</b>	0	0	0	0	0	0	0	0	0	0
<b>120</b>	0	0	0	0	0	0	0	0	0	0
<b>125</b>	0	0	0	0	0	0	0	0	0	0
<b>130</b>	0	0	0	0	0	0	0	0	0	0
<b>135</b>	0	0	0	0	0	0	0	0	0	0
<b>140</b>	0	0	0	0	0	0	0	0	0	0
<b>145</b>	0	0	0	0	0	0	0	0	0	0
<b>150</b>	0	0	0	0	0	0	0	0	0	0
<b>155</b>	0	0	0	0	0	0	0	0	0	0
<b>160</b>	0	0	0	0	0	0	0	0	0	0
<b>165</b>	0	0	0	0	0	0	0	0	0	0
<b>170</b>	0	0	0	0	0	0	0	0	0	0
<b>175</b>	0	0	0	0	0	0	0	0	0	0
<b>180</b>	0	0	0	0	0	0	0	0	0	0

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<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>
<b>0</b>	3628	3628	3628	3628	3628	3628	3628	3628	3628	3628
<b>5</b>	3463	3331	3220	3120	3047	2993	2958	2942	3006	2942
<b>10</b>	3447	3212	3020	2869	2747	2651	2590	2557	2597	2557
<b>15</b>	3537	3215	2963	2737	2598	2503	2444	2413	2424	2413
<b>20</b>	3646	3250	2911	2731	2600	2488	2394	2341	2341	2341
<b>25</b>	3762	3248	2943	2754	2598	2458	2345	2269	2259	2269
<b>30</b>	3894	3251	2964	2750	2569	2439	2320	2225	2202	2225
<b>35</b>	4430	3393	2986	2781	2661	2505	2352	2218	2173	2218
<b>40</b>	5227	3587	3098	3098	2890	2635	2437	2258	2184	2258
<b>45</b>	5416	3573	3444	3508	3001	2638	2413	2258	2212	2258
<b>50</b>	4820	3428	3528	3351	2936	2571	2417	2290	2245	2290
<b>55</b>	4283	3232	3297	2993	2712	2465	2314	2207	2180	2207

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**CANDELA TABULATION - (Cont.)**

<b>60</b>	3766	2979	2932	2562	2435	2211	1971	1954	1987	1954
<b>65</b>	2953	2379	2148	2033	1871	1684	1530	1616	1637	1616
<b>70</b>	1828	1583	1328	1203	1141	1063	1031	1192	1237	1192
<b>75</b>	792	807	693	593	565	571	556	499	525	499
<b>80</b>	291	269	228	198	185	183	153	99	114	99
<b>85</b>	38	32	27	23	20	15	10	7	11	7
<b>90</b>	0	0	0	0	0	0	0	0	0	0
<b>95</b>	0	0	0	0	0	0	0	0	0	0
<b>100</b>	0	0	0	0	0	0	0	0	0	0
<b>105</b>	0	0	0	0	0	0	0	0	0	0
<b>110</b>	0	0	0	0	0	0	0	0	0	0
<b>115</b>	0	0	0	0	0	0	0	0	0	0
<b>120</b>	0	0	0	0	0	0	0	0	0	0
<b>125</b>	0	0	0	0	0	0	0	0	0	0
<b>130</b>	0	0	0	0	0	0	0	0	0	0
<b>135</b>	0	0	0	0	0	0	0	0	0	0
<b>140</b>	0	0	0	0	0	0	0	0	0	0
<b>145</b>	0	0	0	0	0	0	0	0	0	0
<b>150</b>	0	0	0	0	0	0	0	0	0	0
<b>155</b>	0	0	0	0	0	0	0	0	0	0
<b>160</b>	0	0	0	0	0	0	0	0	0	0
<b>165</b>	0	0	0	0	0	0	0	0	0	0
<b>170</b>	0	0	0	0	0	0	0	0	0	0
<b>175</b>	0	0	0	0	0	0	0	0	0	0
<b>180</b>	0	0	0	0	0	0	0	0	0	0

**Vert.  
Angles**

**Horizontal Angles**

	<b><u>200</u></b>	<b><u>210</u></b>	<b><u>220</u></b>	<b><u>230</u></b>	<b><u>240</u></b>	<b><u>250</u></b>	<b><u>260</u></b>	<b><u>270</u></b>	<b><u>280</u></b>	<b><u>290</u></b>
<b>0</b>	3628	3628	3628	3628	3628	3628	3628	3628	3628	3628
<b>5</b>	2958	2993	3047	3120	3220	3331	3463	3613	3773	3941
<b>10</b>	2590	2651	2747	2869	3020	3212	3447	3723	4052	4403
<b>15</b>	2444	2503	2598	2737	2963	3215	3537	3917	4395	4937
<b>20</b>	2394	2488	2600	2731	2911	3250	3646	4141	4763	5470
<b>25</b>	2345	2458	2598	2754	2943	3248	3762	4387	5178	6026
<b>30</b>	2320	2439	2569	2750	2964	3251	3894	4742	5780	6757
<b>35</b>	2352	2505	2661	2781	2986	3393	4430	5856	7297	8395
<b>40</b>	2437	2635	2890	3098	3098	3587	5227	7321	9179	10436
<b>45</b>	2413	2638	3001	3508	3444	3573	5416	7733	9824	11365
<b>50</b>	2417	2571	2936	3351	3528	3428	4820	7103	9449	11603
<b>55</b>	2314	2465	2712	2993	3297	3232	4283	6448	8977	11905
<b>60</b>	1971	2211	2435	2562	2932	2979	3766	5702	8742	12349
<b>65</b>	1530	1684	1871	2033	2148	2379	2953	4440	7769	11521
<b>70</b>	1031	1063	1141	1203	1328	1583	1828	2846	5376	8994
<b>75</b>	556	571	565	593	693	807	792	1335	3040	5109
<b>80</b>	153	183	185	198	228	269	291	386	955	1752
<b>85</b>	10	15	20	23	27	32	38	44	66	89
<b>90</b>	0	0	0	0	0	0	0	0	0	0
<b>95</b>	0	0	0	0	0	0	0	0	0	0
<b>100</b>	0	0	0	0	0	0	0	0	0	0
<b>105</b>	0	0	0	0	0	0	0	0	0	0
<b>110</b>	0	0	0	0	0	0	0	0	0	0
<b>115</b>	0	0	0	0	0	0	0	0	0	0
<b>120</b>	0	0	0	0	0	0	0	0	0	0
<b>125</b>	0	0	0	0	0	0	0	0	0	0
<b>130</b>	0	0	0	0	0	0	0	0	0	0

**IES ROAD REPORT**  
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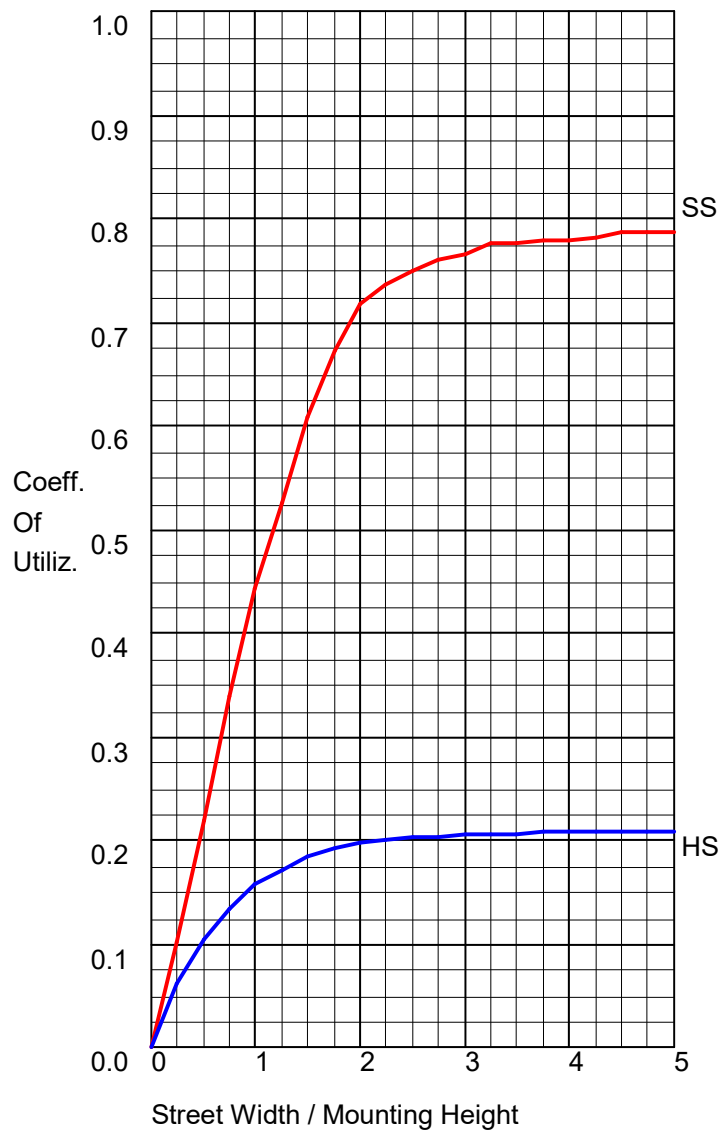
**CANDELA TABULATION - (Cont.)**

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**

	<u>300</u>	<u>310</u>	<u>320</u>	<u>330</u>	<u>340</u>	<u>350</u>	<u>360</u>
0	3628	3628	3628	3628	3628	3628	3628
5	4105	4260	4402	4522	4620	4690	4902
10	4750	5084	5380	5585	5740	5863	6050
15	5487	5919	6221	6451	6641	6776	7001
20	6087	6545	6911	7202	7418	7583	7778
25	6659	7115	7478	7783	8046	8220	8414
30	7396	7718	7956	8238	8608	8862	9129
35	8841	8793	8535	8718	9246	9693	9996
40	10851	10516	9777	9459	9934	10462	10723
45	12534	12678	11612	10640	10704	11263	11569
50	13534	14549	13770	12114	11788	12359	12615
55	15035	16483	15654	13812	13151	13624	13713
60	16211	17648	17928	15333	14014	14257	13860
65	15823	17214	17500	13596	11238	9829	7424
70	12022	12676	10606	7294	5964	3756	2984
75	6915	7450	5540	4147	2953	1490	1278
80	2246	2275	1850	1566	1119	561	374
85	130	161	132	143	118	83	46
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

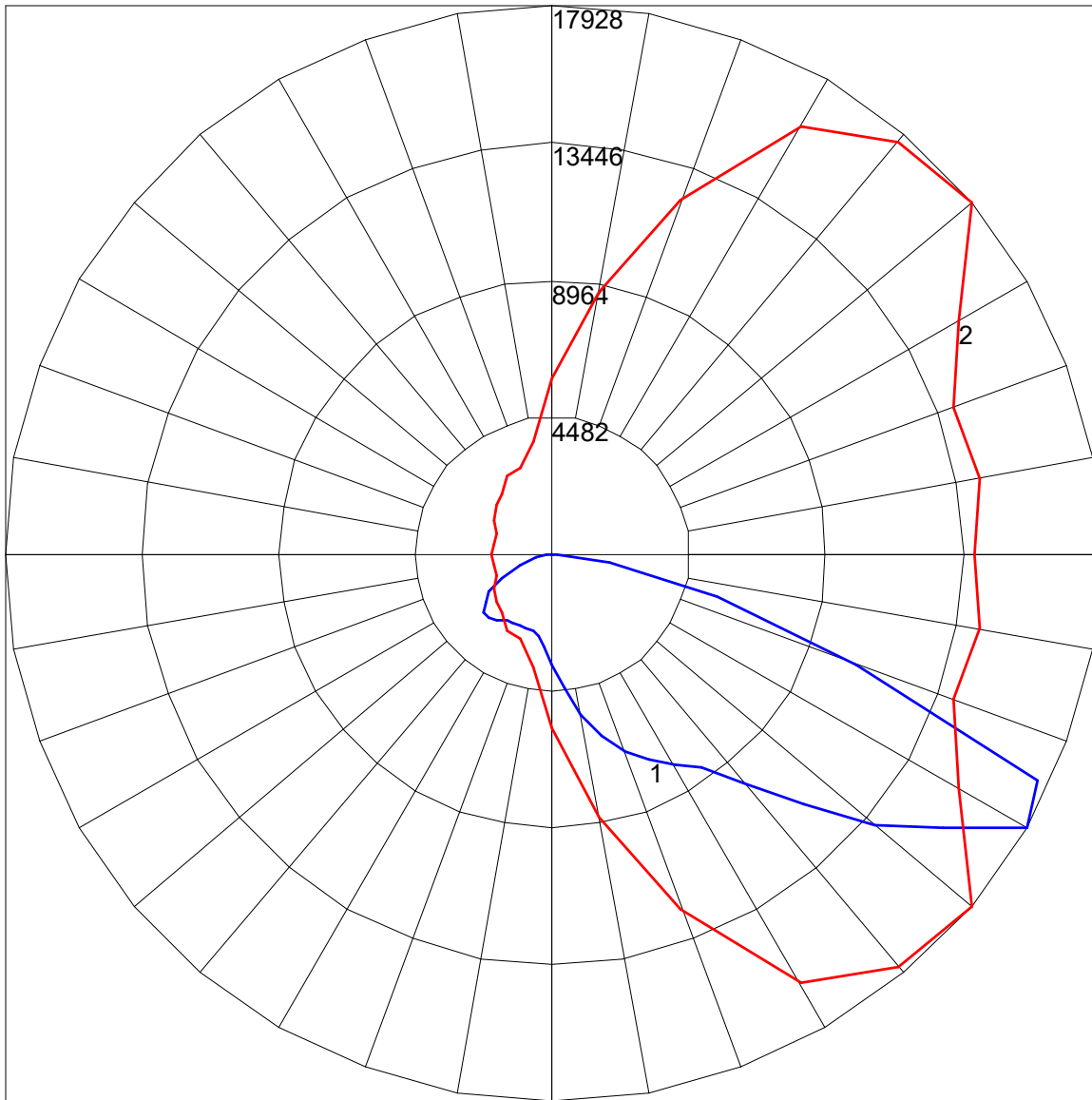
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

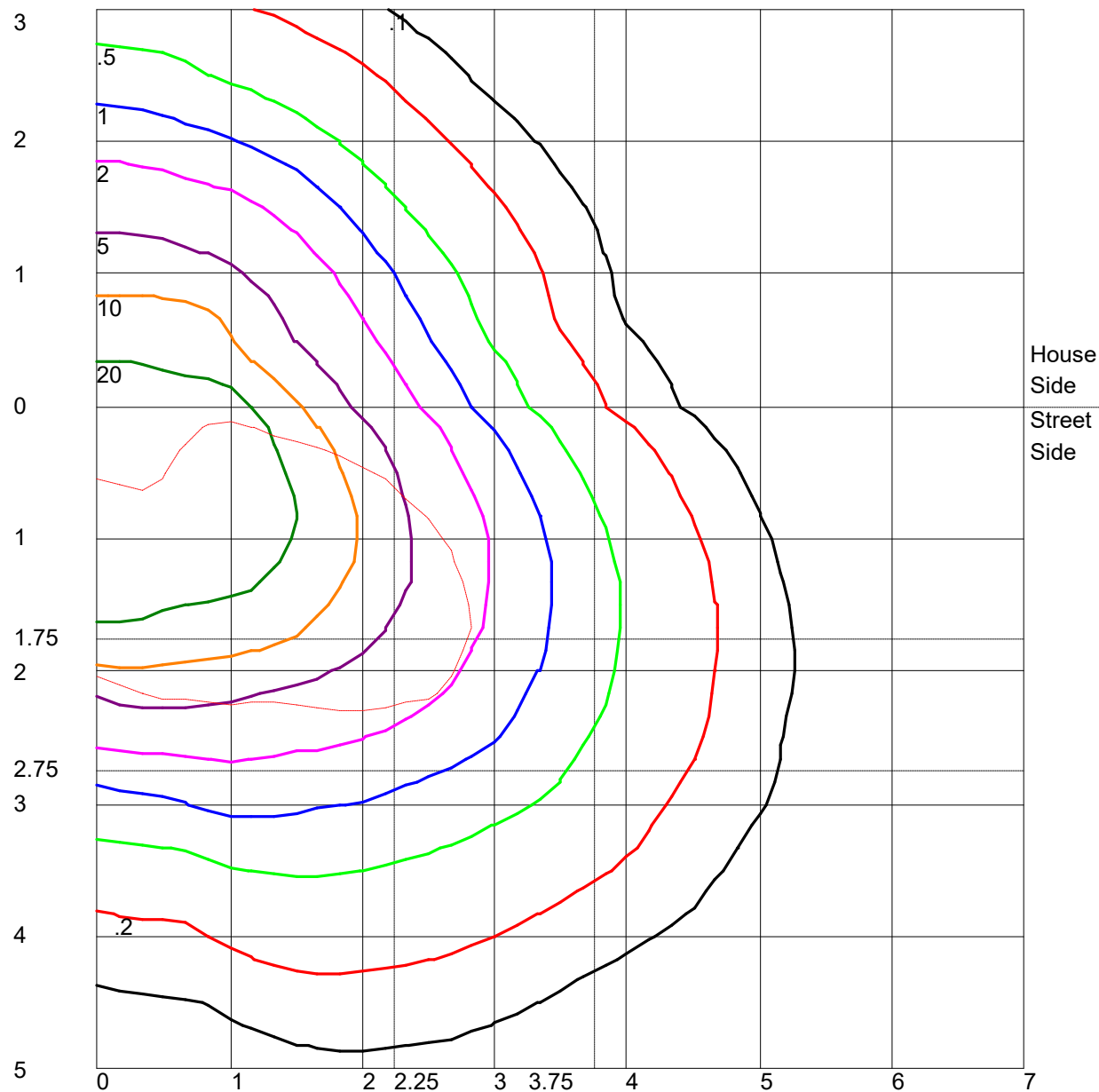
	Lumens	Percent Of Luminaire
Downward Street Side	23874.4	79.0
Downward House Side	6328.8	21.0
Downward Total	30203.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	30203.2	100.0

POLAR GRAPH



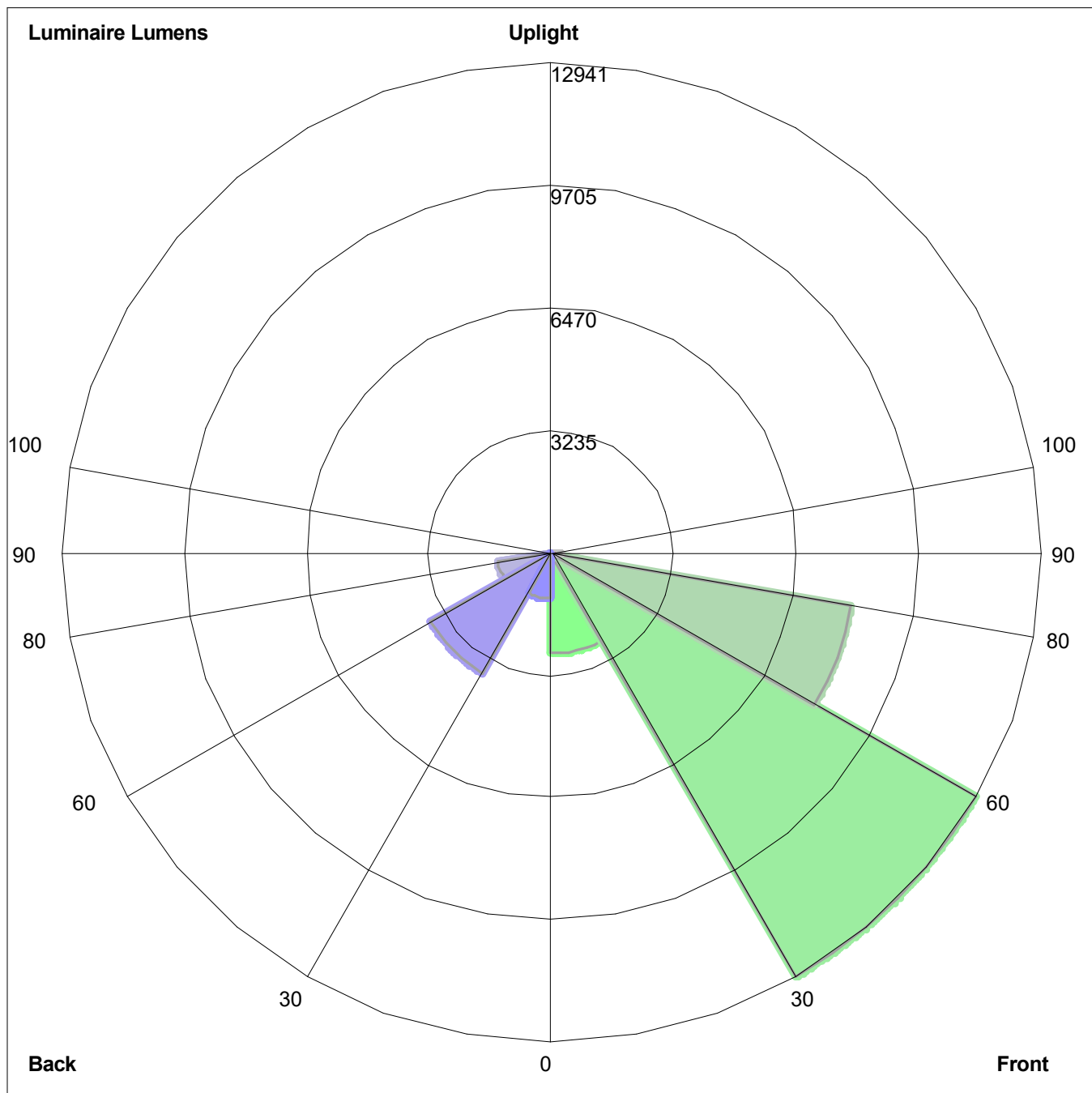
Maximum Candela = 17928 Located At Horizontal Angle = 320, Vertical Angle = 60  
# 1 - Vertical Plane Through Horizontal Angles (320 - 140) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=2668.8, Medium=12940.7, High=8043.8, Very High=221.1  
Back: Low=1215.9, Medium=3656.2, High=1422.7, Very High=34.1  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G4