



## IES ROAD REPORT

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

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 3033

[TESTLAB] TUV SUD America

[TESTDATE] 1/13/2017 9:42:54 AM

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

### CHARACTERISTICS

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	30261
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	265.62
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	25846
Maximum Candela Angle	310H 70V
Maximum Candela (<90 Degrees Vertical)	25846
Maximum Candela Angle (<90 Degrees Vertical)	310H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	779 (2.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : TEL22-3R-LED-26L-45.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2826.8	N.A.	9.3
FM - Front-Medium (30-60)	7769.5	N.A.	25.7
FH - Front-High (60-80)	4483.6	N.A.	14.8
FVH - Front-Very High (80-90)	50.7	N.A.	0.2
BL - Back-Low (0-30)	2826.8	N.A.	9.3
BM - Back-Medium (30-60)	7769.5	N.A.	25.7
BH - Back-High (60-80)	4483.6	N.A.	14.8
BVH - Back-Very High (80-90)	50.7	N.A.	0.2
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	30261.2	N.A.	100.0
BUG Rating	B4-U0-G4		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : TEL22-3R-LED-26L-45.IES**

**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>	6930	6930	6930	6930	6930	6930	6930	6930	6930	6930
<b>5</b>	6923	6903	6850	6796	6750	6703	6660	6629	6604	6604
<b>10</b>	7025	6959	6832	6684	6544	6408	6295	6220	6179	6171
<b>15</b>	7178	7042	6807	6530	6276	6037	5866	5761	5702	5693
<b>20</b>	7391	7178	6771	6344	5936	5565	5241	5016	4914	4880
<b>25</b>	7584	7171	6627	6068	5421	4878	4509	4302	4248	4248
<b>30</b>	7970	7484	6545	5489	4641	4233	4016	3891	3864	3887
<b>35</b>	8644	7941	6514	4959	4046	3750	3686	3604	3654	3742
<b>40</b>	9371	8318	6335	4457	3714	3430	3398	3363	3668	3743
<b>45</b>	9784	8180	5753	4147	3583	3306	3114	3000	2943	2956
<b>50</b>	9104	7264	4953	3764	3734	2951	2707	2593	2553	2610
<b>55</b>	7942	5889	4319	3400	2980	2604	2392	2145	2129	2203
<b>60</b>	5734	4311	3502	2750	2227	2053	1915	1634	1686	2377
<b>65</b>	3083	2535	2186	1633	1391	1339	1340	1458	1464	2029
<b>70</b>	1077	1017	1032	915	896	872	974	1340	1383	2077
<b>75</b>	462	473	509	514	499	549	635	768	732	1020
<b>80</b>	186	182	193	197	200	213	224	300	250	278
<b>85</b>	44	39	37	34	30	26	24	24	23	22
<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>	6930	6930	6930	6930	6930	6930	6930	6930	6930	6930
<b>5</b>	6604	6629	6660	6703	6750	6796	6850	6903	6923	6969
<b>10</b>	6179	6220	6295	6408	6544	6684	6832	6959	7025	7048
<b>15</b>	5702	5761	5866	6037	6276	6530	6807	7042	7178	7236
<b>20</b>	4914	5016	5241	5565	5936	6344	6771	7178	7391	7461
<b>25</b>	4248	4302	4509	4878	5421	6068	6627	7171	7584	7713
<b>30</b>	3864	3891	4016	4233	4641	5489	6545	7484	7970	8052
<b>35</b>	3654	3604	3686	3750	4046	4959	6514	7941	8644	8705
<b>40</b>	3668	3363	3398	3430	3714	4457	6335	8318	9371	9390
<b>45</b>	2943	3000	3114	3306	3583	4147	5753	8180	9784	9959
<b>50</b>	2553	2593	2707	2951	3734	3764	4953	7264	9104	9856
<b>55</b>	2129	2145	2392	2604	2980	3400	4319	5889	7942	9382

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : TEL22-3R-LED-26L-45.IES**

**CANDELA TABULATION - (Cont.)**

<b>60</b>	1686	1634	1915	2053	2227	2750	3502	4311	5734	7417
<b>65</b>	1464	1458	1340	1339	1391	1633	2186	2535	3083	4232
<b>70</b>	1383	1340	974	872	896	915	1032	1017	1077	1296
<b>75</b>	732	768	635	549	499	514	509	473	462	500
<b>80</b>	250	300	224	213	200	197	193	182	186	232
<b>85</b>	23	24	24	26	30	34	37	39	44	74
<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>	6930	6930	6930	6930	6930	6930	6930	6930	6930	6930
<b>5</b>	6986	7004	7013	7027	7048	7048	7059	7067	7059	7048
<b>10</b>	7076	7086	7089	7095	7102	7115	7129	7143	7129	7115
<b>15</b>	7265	7266	7284	7297	7304	7319	7334	7355	7334	7319
<b>20</b>	7495	7526	7577	7614	7610	7582	7566	7566	7566	7582
<b>25</b>	7792	7827	7855	7926	7937	7888	7859	7861	7859	7888
<b>30</b>	8000	7913	8122	8205	8236	8191	8114	8156	8114	8191
<b>35</b>	8530	8278	8129	8365	8452	8445	8403	8571	8403	8445
<b>40</b>	9047	8686	8340	8188	8577	8687	8724	8928	8724	8687
<b>45</b>	9546	9007	8529	8271	8356	8793	9010	9245	9010	8793
<b>50</b>	9703	9392	8790	8282	8472	9364	10009	10398	10009	9364
<b>55</b>	10113	9840	9277	8880	9356	10854	12358	12679	12358	10854
<b>60</b>	9177	11027	11553	10617	12032	14379	16831	16896	16831	14379
<b>65</b>	5415	9821	17742	16935	18602	21804	21762	19416	21762	21804
<b>70</b>	1216	2143	14074	25846	19783	7811	2983	2214	2983	7811
<b>75</b>	545	684	1964	9606	2982	1170	975	730	975	1170
<b>80</b>	262	283	358	779	414	304	307	238	307	304
<b>85</b>	70	67	65	62	53	44	40	39	40	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

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : TEL22-3R-LED-26L-45.IES**

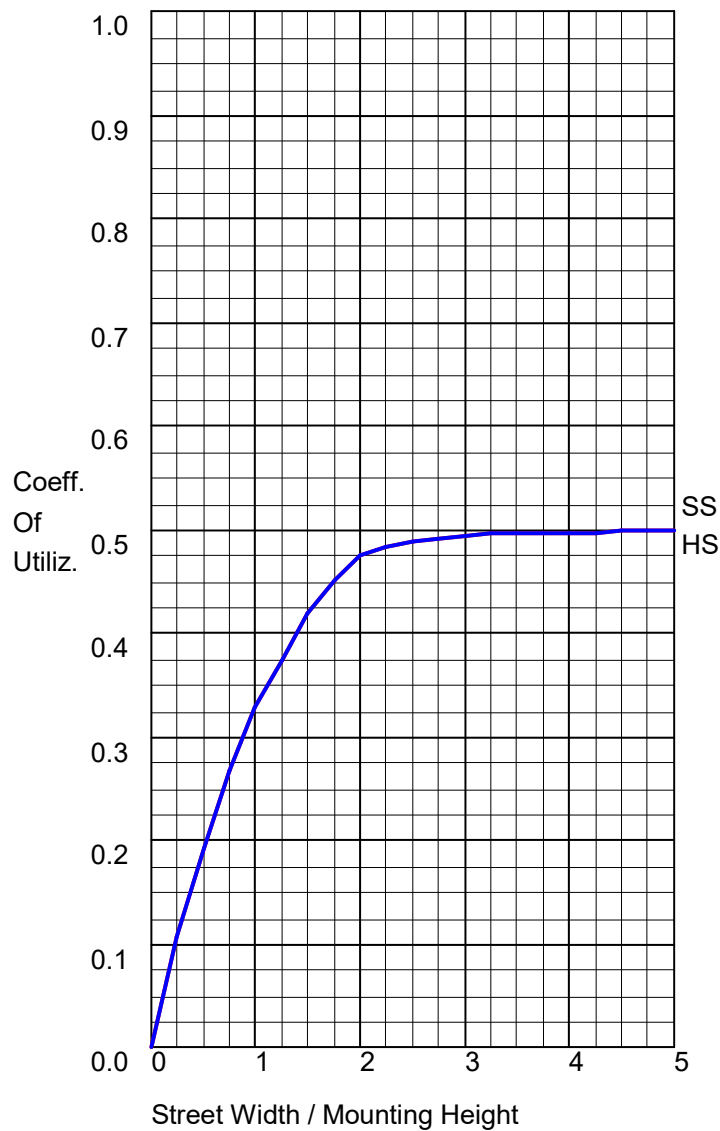
**CANDELA TABULATION - (Cont.)**

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. 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	6930	6930	6930	6930	6930	6930	6930
5	7048	7027	7013	7004	6986	6969	6923
10	7102	7095	7089	7086	7076	7048	7025
15	7304	7297	7284	7266	7265	7236	7178
20	7610	7614	7577	7526	7495	7461	7391
25	7937	7926	7855	7827	7792	7713	7584
30	8236	8205	8122	7913	8000	8052	7970
35	8452	8365	8129	8278	8530	8705	8644
40	8577	8188	8340	8686	9047	9390	9371
45	8356	8271	8529	9007	9545	9959	9784
50	8472	8282	8790	9392	9703	9856	9104
55	9356	8880	9277	9840	10113	9382	7942
60	12032	10617	11553	11027	9177	7417	5734
65	18602	16935	17742	9821	5415	4232	3083
70	19783	25846	14074	2143	1216	1296	1077
75	2982	9606	1964	684	545	500	462
80	414	779	358	283	262	232	186
85	53	62	65	67	70	74	44
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

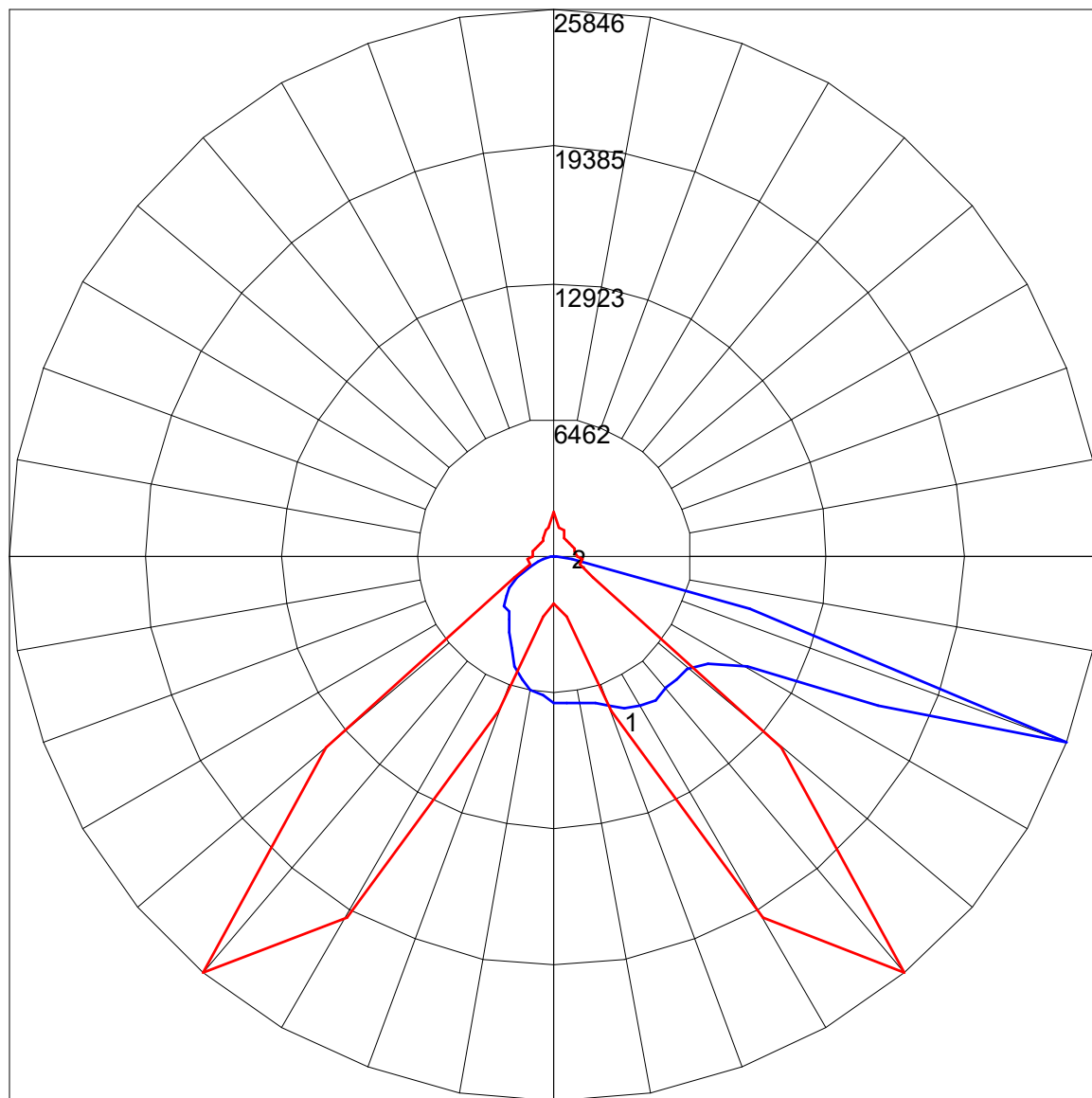
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

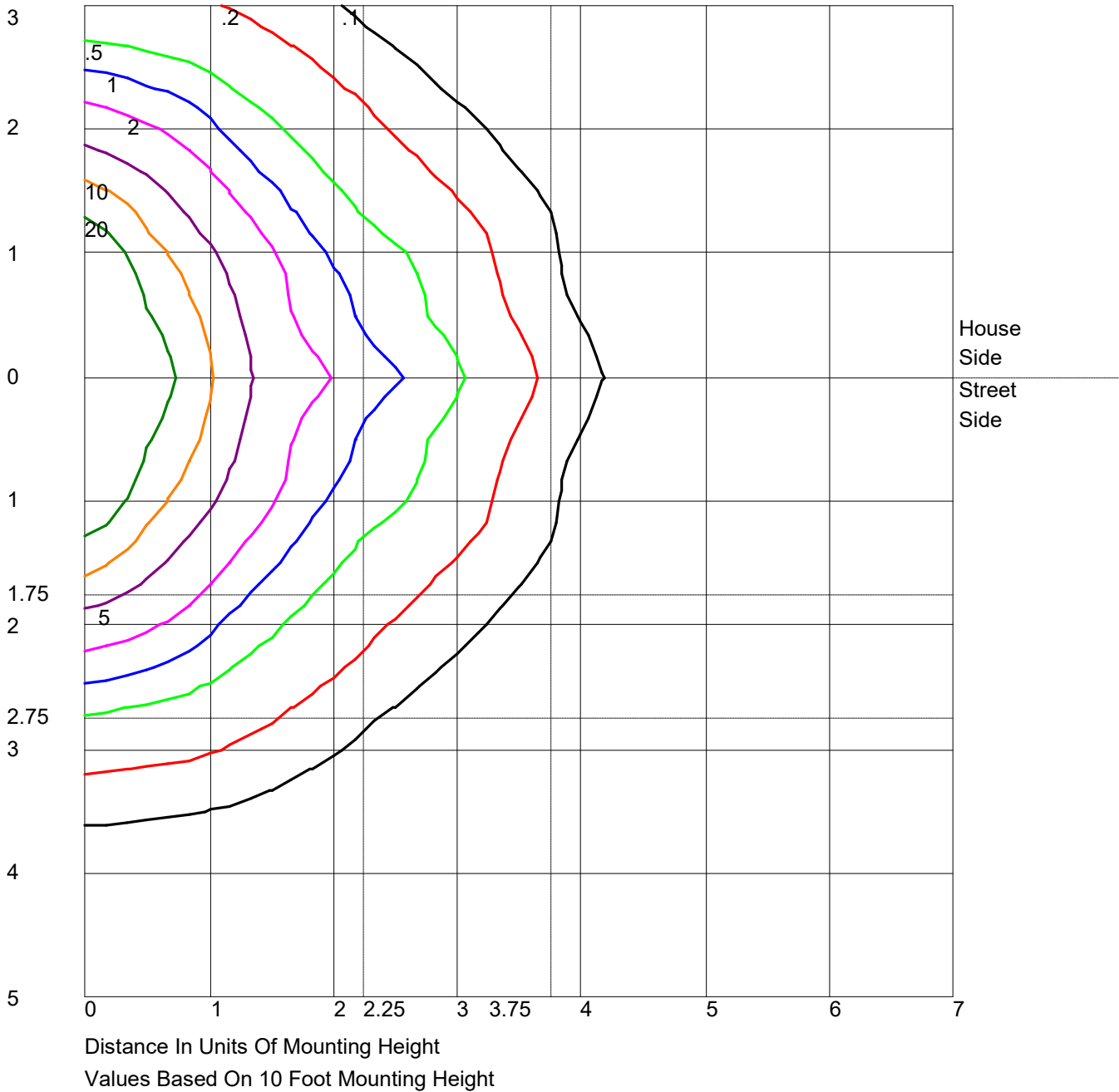
	Lumens	Percent Of Luminaire
Downward Street Side	15130.6	50.0
Downward House Side	15130.6	50.0
Downward Total	30261.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	30261.2	100.0

POLAR GRAPH



Maximum Candela = 25846 Located At Horizontal Angle = 310, Vertical Angle = 70  
# 1 - Vertical Plane Through Horizontal Angles (310 - 130) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





# PHOTO IES R

