



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

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] 3099  
[TESTLAB] TUV SUD America  
[TESTDATE] 4/5/2017 5:13:23 PM  
[MANUFAC] LSI INDUSTRIES, INC.  
[ISSUEDATE] 11/15/2019  
[LUMCAT] TEL22-SCR-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	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	39611
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	356.13
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	21362
Maximum Candela Angle	320H 60V
Maximum Candela (<90 Degrees Vertical)	21362
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	2510 (6.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2747.6	N.A.	6.9
FM - Front-Medium (30-60)	10971.0	N.A.	27.7
FH - Front-High (60-80)	5941.1	N.A.	15.0
FVH - Front-Very High (80-90)	145.9	N.A.	0.4
BL - Back-Low (0-30)	2747.6	N.A.	6.9
BM - Back-Medium (30-60)	10971.0	N.A.	27.7
BH - Back-High (60-80)	5941.1	N.A.	15.0
BVH - Back-Very High (80-90)	145.9	N.A.	0.4
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	39611.2	N.A.	100.0
BUG Rating	B5-U0-G5		

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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>	5439	5439	5439	5439	5439	5439	5439	5439	5439	5439
<b>5</b>	5563	5396	5176	4962	4770	4608	4477	4375	4313	4297
<b>10</b>	5846	5469	5030	4628	4280	3991	3717	3539	3432	3397
<b>15</b>	6150	5562	4989	4492	3964	3642	3446	3305	3230	3199
<b>20</b>	6337	5623	4970	4299	3969	3727	3500	3296	3173	3135
<b>25</b>	6512	5665	4870	4308	4027	3770	3529	3294	3128	3070
<b>30</b>	6914	5833	4723	4291	4039	3798	3549	3301	3088	3012
<b>35</b>	8197	6512	4908	4323	4177	3959	3692	3383	3112	3004
<b>40</b>	9670	7233	5132	4635	4727	4386	3858	3434	3179	3083
<b>45</b>	10261	7242	5062	4995	5196	4682	3913	3431	3214	3137
<b>50</b>	9502	6485	4747	4832	4812	4313	3821	3411	3240	3169
<b>55</b>	8422	5546	4422	4487	4248	3988	3693	3364	3307	3245
<b>60</b>	7108	4577	3833	3788	3587	3489	3400	3212	3123	3055
<b>65</b>	5322	3387	2909	2808	2790	2830	2710	2649	2566	2457
<b>70</b>	3414	1940	1835	1814	1804	1786	1770	1869	1772	1666
<b>75</b>	1534	987	1025	1038	984	951	993	1022	978	873
<b>80</b>	479	370	402	405	378	367	383	397	340	319
<b>85</b>	66	59	59	60	56	50	47	43	43	41
<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>	5439	5439	5439	5439	5439	5439	5439	5439	5439	5439
<b>5</b>	4313	4375	4477	4608	4770	4962	5176	5396	5563	5774
<b>10</b>	3432	3539	3717	3991	4280	4628	5030	5469	5846	6253
<b>15</b>	3230	3305	3446	3642	3964	4492	4989	5562	6150	6807
<b>20</b>	3173	3296	3500	3727	3969	4299	4970	5623	6337	7178
<b>25</b>	3128	3294	3529	3770	4027	4308	4870	5665	6512	7451
<b>30</b>	3088	3301	3549	3798	4039	4291	4723	5833	6914	7979
<b>35</b>	3112	3383	3692	3959	4177	4323	4908	6512	8197	9512
<b>40</b>	3179	3434	3858	4386	4727	4635	5132	7233	9670	11402
<b>45</b>	3214	3431	3913	4682	5196	4995	5062	7242	10261	12629
<b>50</b>	3240	3411	3821	4313	4812	4832	4747	6485	9502	12403
<b>55</b>	3307	3364	3693	3988	4248	4487	4422	5546	8422	11909

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**CANDELA TABULATION - (Cont.)**

<b>60</b>	3123	3212	3400	3489	3587	3788	3833	4577	7108	11262
<b>65</b>	2566	2649	2710	2830	2790	2808	2909	3387	5322	9581
<b>70</b>	1772	1869	1770	1786	1804	1814	1835	1940	3414	6916
<b>75</b>	978	1022	993	951	984	1038	1025	987	1534	3829
<b>80</b>	340	397	383	367	378	405	402	370	479	1228
<b>85</b>	43	43	47	50	56	60	59	59	66	146
<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>	5439	5439	5439	5439	5439	5439	5439	5439	5439	5439
<b>5</b>	5965	6141	6296	6422	6510	6576	6621	6641	6621	6576
<b>10</b>	6629	6934	7219	7466	7673	7838	7934	7963	7934	7838
<b>15</b>	7341	7849	8296	8629	8873	9048	9164	9219	9164	9048
<b>20</b>	7898	8645	9236	9639	9898	10056	10187	10242	10187	10056
<b>25</b>	8422	9273	9930	10415	10737	10908	11007	11048	11007	10908
<b>30</b>	9097	9904	10605	11014	11406	11653	11721	11767	11721	11653
<b>35</b>	10746	11456	11637	11786	11964	12356	12560	12657	12560	12356
<b>40</b>	12842	13591	13402	12859	12979	13195	13505	13603	13505	13195
<b>45</b>	14501	15968	15917	14707	14045	14392	14709	14777	14709	14392
<b>50</b>	15127	17570	18327	17058	15663	16012	16430	16398	16430	16012
<b>55</b>	15796	19197	20169	19218	17603	17542	18575	18444	18575	17542
<b>60</b>	16043	20651	21362	20916	19282	18530	18958	18410	18958	18530
<b>65</b>	14482	19436	20706	20465	17186	14787	14096	13101	14096	14787
<b>70</b>	10770	13971	15377	13373	8907	6905	5032	4258	5032	6905
<b>75</b>	6532	7607	7760	6034	4118	3102	1643	1330	1643	3102
<b>80</b>	2330	2510	2210	1721	1317	932	433	330	433	932
<b>85</b>	175	173	136	87	63	49	44	43	44	49
<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

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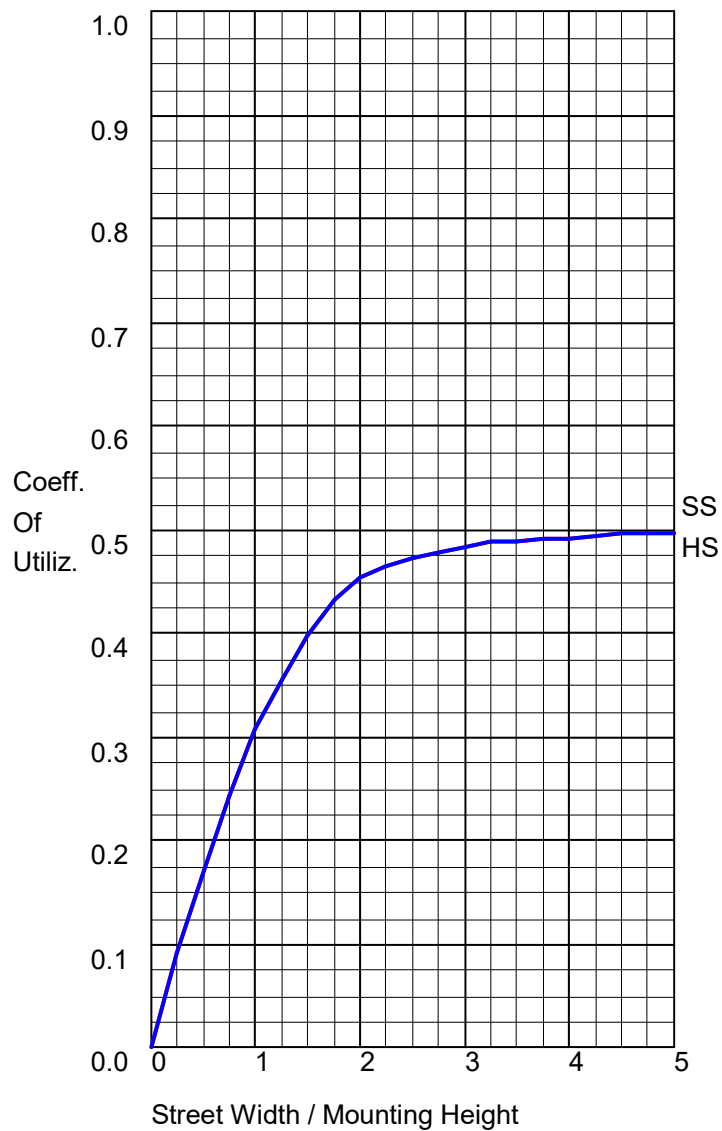
**CANDELA TABULATION - (Cont.)**

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**

	<b>300</b>	<b>310</b>	<b>320</b>	<b>330</b>	<b>340</b>	<b>350</b>	<b>360</b>
0	5439	5439	5439	5439	5439	5439	5439
5	6510	6422	6296	6141	5965	5774	5563
10	7673	7466	7219	6934	6629	6253	5846
15	8873	8629	8296	7849	7341	6807	6150
20	9898	9639	9236	8645	7898	7178	6337
25	10737	10415	9930	9273	8422	7451	6512
30	11406	11014	10605	9904	9097	7979	6914
35	11964	11786	11637	11456	10746	9512	8197
40	12979	12859	13402	13591	12842	11402	9670
45	14045	14707	15917	15968	14501	12629	10261
50	15663	17058	18327	17570	15127	12403	9502
55	17603	19218	20169	19197	15796	11909	8422
60	19282	20916	21362	20651	16043	11262	7108
65	17186	20465	20706	19436	14482	9581	5322
70	8907	13373	15377	13971	10770	6916	3414
75	4118	6034	7760	7607	6532	3829	1534
80	1317	1721	2210	2510	2330	1228	479
85	63	87	136	173	175	146	66
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

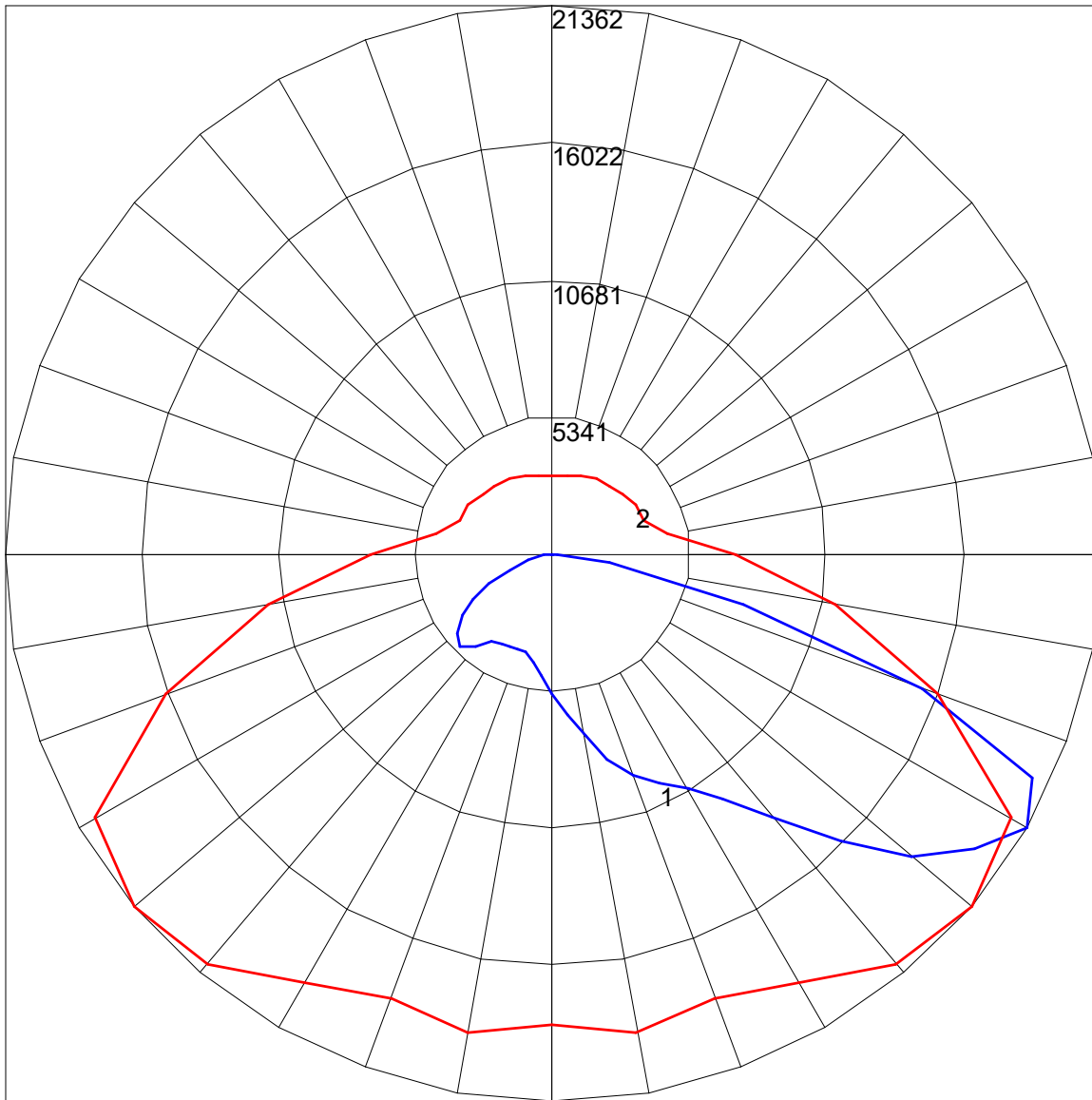
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

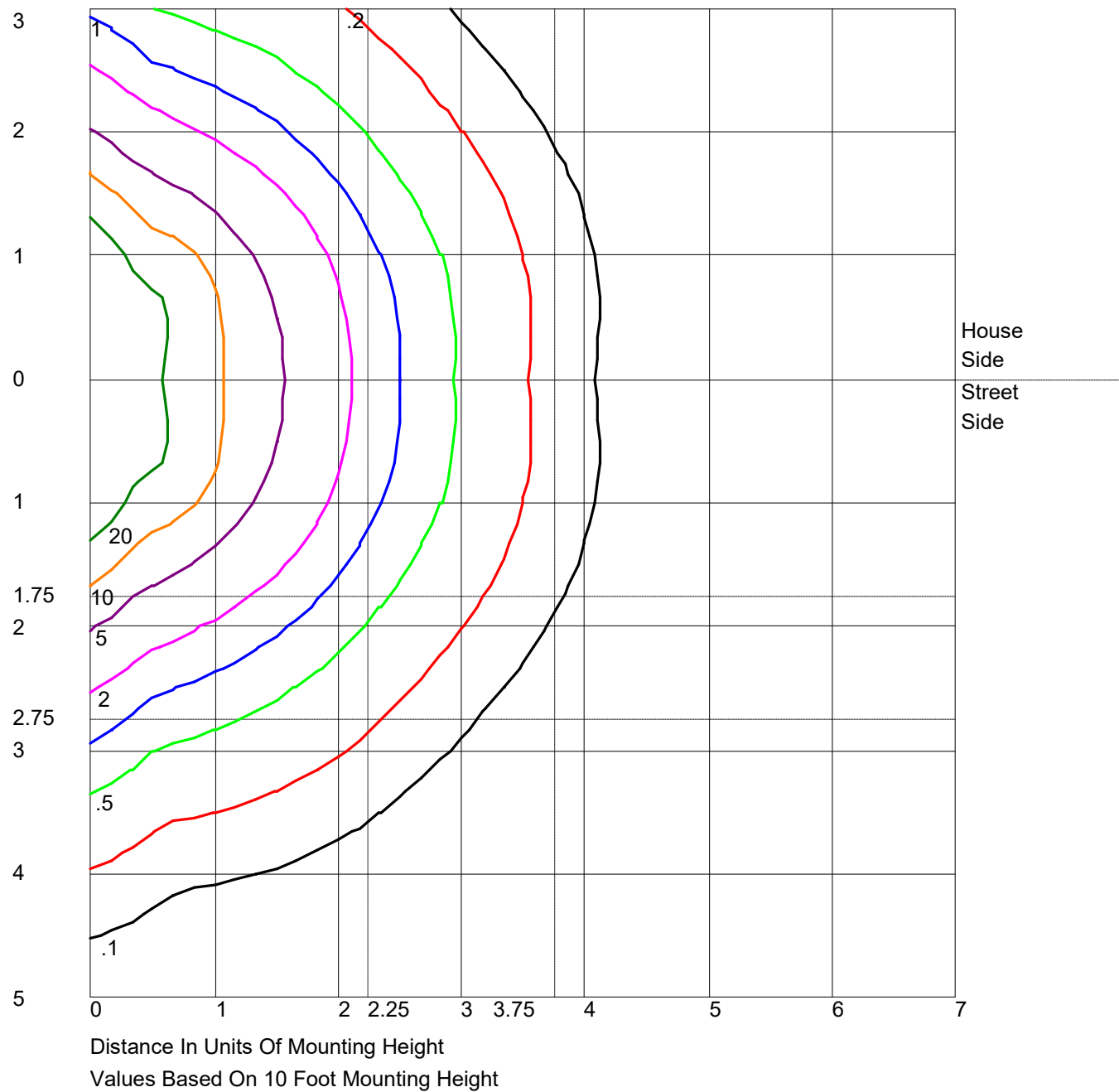
	Lumens	Percent Of Luminaire
Downward Street Side	19805.7	50.0
Downward House Side	19805.7	50.0
Downward Total	39611.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	39611.4	100.0

POLAR GRAPH



Maximum Candela = 21362 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





# PHOTO IES R

