



IES ROAD REPORT

PHOTOMETRIC FILENAME : TEL22-4R-LED-41L-45.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 3100

[TESTLAB] TUV SUD America

[TESTDATE] 4/6/2017 10:19:23 AM

[MANUFAC] LSI INDUSTRIES, INC.

[ISSUEDATE] 11/15/2019

[LUMCAT] TEL22-4R-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	36773
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	356.26
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	17774
Maximum Candela Angle	320H 70V
Maximum Candela (<90 Degrees Vertical)	17774
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	4792 (13.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-4R-LED-41L-45.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2856.7	N.A.	7.8
FM - Front-Medium (30-60)	9020.8	N.A.	24.5
FH - Front-High (60-80)	6292.8	N.A.	17.1
FVH - Front-Very High (80-90)	216.2	N.A.	0.6
BL - Back-Low (0-30)	2856.7	N.A.	7.8
BM - Back-Medium (30-60)	9020.8	N.A.	24.5
BH - Back-High (60-80)	6292.8	N.A.	17.1
BVH - Back-Very High (80-90)	216.2	N.A.	0.6
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	36773.0	N.A.	100.0
BUG Rating	B5-U0-G5		

IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-4R-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	6348	6348	6348	6348	6348	6348	6348	6348	6348	6348
5	6372	6319	6245	6174	6112	6051	6005	5970	5954	5938
10	6456	6340	6197	6059	5936	5839	5773	5735	5720	5709
15	6626	6435	6210	6017	5899	5829	5788	5766	5767	5761
20	6815	6550	6271	6088	6004	5963	5932	5912	5905	5898
25	6964	6568	6320	6201	6135	6115	6114	6110	6088	6092
30	7100	6692	6339	6189	6228	6288	6321	6349	6337	6341
35	7395	6830	6436	6307	6286	6402	6487	6412	6328	6328
40	7723	6979	6549	6420	6345	6111	5849	5569	5442	5460
45	8242	7251	6731	6337	5775	5158	4730	4504	4351	4335
50	8838	7649	6519	5429	4672	4080	3777	3789	3804	3805
55	9284	7586	5462	4128	3513	3495	3606	3873	4056	4068
60	8672	5941	3713	3123	3088	3343	3656	4012	4252	4259
65	7196	3922	2648	2747	2831	3062	3337	3679	3976	3972
70	4732	2159	2160	2307	2283	2503	2991	3362	3495	3479
75	2082	1132	1397	1566	1582	1785	2072	2231	2277	2297
80	509	424	537	680	756	745	813	874	870	846
85	81	69	71	74	75	66	61	57	57	60
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	6348	6348	6348	6348	6348	6348	6348	6348	6348	6348
5	5954	5970	6005	6051	6112	6174	6245	6319	6372	6437
10	5720	5735	5773	5839	5936	6059	6197	6340	6456	6547
15	5767	5766	5788	5829	5899	6017	6210	6435	6626	6759
20	5905	5912	5932	5963	6004	6088	6271	6550	6815	7027
25	6088	6110	6114	6115	6135	6201	6320	6568	6964	7256
30	6337	6349	6321	6288	6228	6189	6339	6692	7100	7467
35	6328	6412	6487	6402	6286	6307	6436	6830	7395	7891
40	5442	5569	5849	6111	6345	6420	6549	6979	7723	8434
45	4351	4504	4730	5158	5775	6337	6731	7251	8242	9175
50	3804	3789	3777	4080	4672	5429	6519	7649	8838	10261
55	4056	3873	3606	3495	3513	4128	5462	7586	9284	11157

IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-4R-LED-41L-45.IES

CANDELA TABULATION - (Cont.)

60	4252	4012	3656	3343	3088	3123	3713	5941	8672	11200
65	3976	3679	3337	3062	2831	2747	2648	3922	7196	10217
70	3495	3362	2991	2503	2283	2307	2160	2159	4732	8354
75	2277	2231	2072	1785	1582	1566	1397	1132	2082	4983
80	870	874	813	745	756	680	537	424	509	1511
85	57	57	61	66	75	74	71	69	81	148
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	6348	6348	6348	6348	6348	6348	6348	6348	6348	6348
5	6486	6533	6577	6610	6642	6667	6681	6689	6681	6667
10	6622	6685	6771	6857	6945	7026	7072	7092	7072	7026
15	6862	6963	7045	7112	7233	7342	7454	7490	7454	7342
20	7191	7318	7403	7424	7487	7644	7754	7817	7754	7644
25	7551	7724	7816	7865	7913	8022	8079	8124	8079	8022
30	7776	7938	8186	8321	8410	8445	8495	8540	8495	8445
35	8227	8303	8422	8750	8948	9038	9093	9114	9093	9038
40	8727	8817	8850	9032	9515	9630	9693	9691	9693	9630
45	9532	9580	9503	9497	9768	10215	10391	10453	10391	10215
50	10672	10643	10230	10111	10360	11030	11390	11622	11390	11030
55	12002	11860	11062	11004	11682	12428	13338	13401	13338	12428
60	12637	13173	12695	12449	13750	14208	14743	14616	14743	14208
65	12462	14059	15229	15418	14580	13340	12996	12276	12996	13340
70	11086	13524	17774	15662	12805	10543	7804	6586	7804	10543
75	7758	11222	13004	11824	6437	3359	2258	1888	2258	3359
80	2531	3896	4792	3013	1245	812	527	457	527	812
85	167	190	222	126	74	65	61	62	61	65
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 : TEL22-4R-LED-41L-45.IES

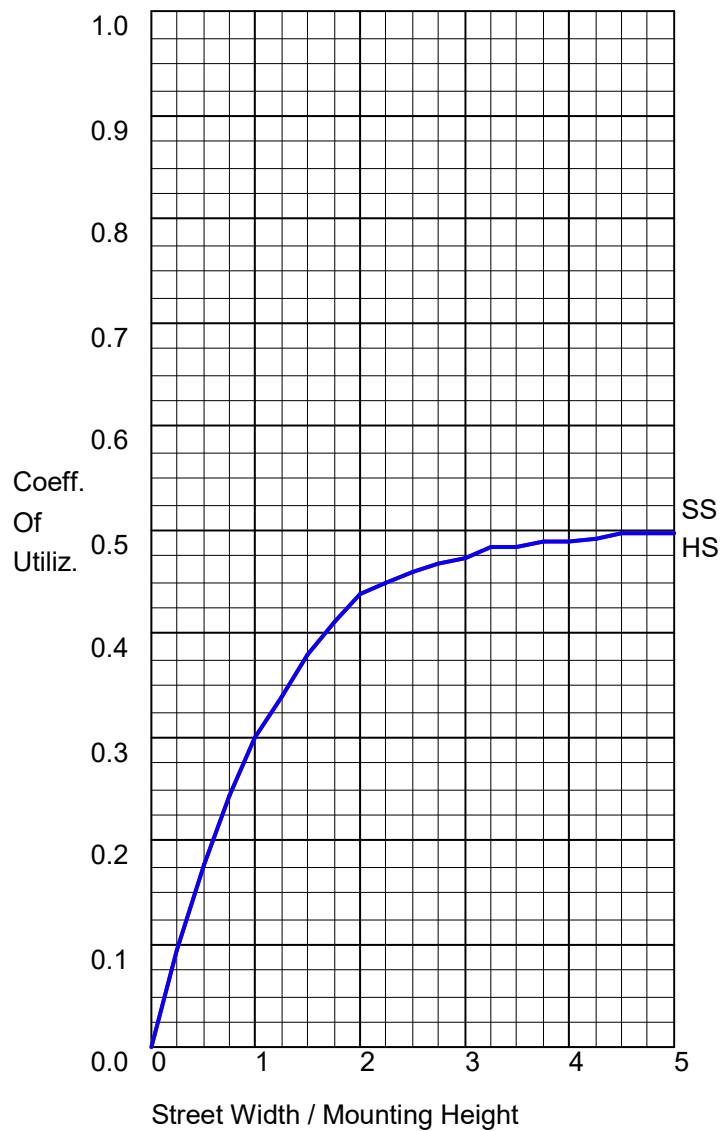
CANDELA TABULATION - (Cont.)

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

	<u>300</u>	<u>310</u>	<u>320</u>	<u>330</u>	<u>340</u>	<u>350</u>	<u>360</u>
0	6348	6348	6348	6348	6348	6348	6348
5	6642	6610	6577	6533	6486	6437	6372
10	6945	6857	6771	6685	6622	6547	6456
15	7233	7112	7045	6963	6862	6759	6626
20	7487	7424	7403	7318	7191	7027	6815
25	7913	7865	7816	7724	7551	7256	6964
30	8410	8321	8186	7938	7776	7467	7100
35	8948	8750	8422	8303	8227	7891	7395
40	9515	9032	8850	8817	8727	8434	7723
45	9768	9497	9503	9580	9532	9175	8242
50	10360	10111	10230	10643	10672	10261	8838
55	11682	11004	11062	11860	12002	11157	9284
60	13750	12449	12695	13173	12637	11200	8672
65	14580	15418	15229	14059	12462	10217	7196
70	12805	15662	17774	13524	11086	8354	4732
75	6437	11824	13004	11222	7758	4983	2082
80	1245	3013	4792	3896	2531	1511	509
85	74	126	222	190	167	148	81
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

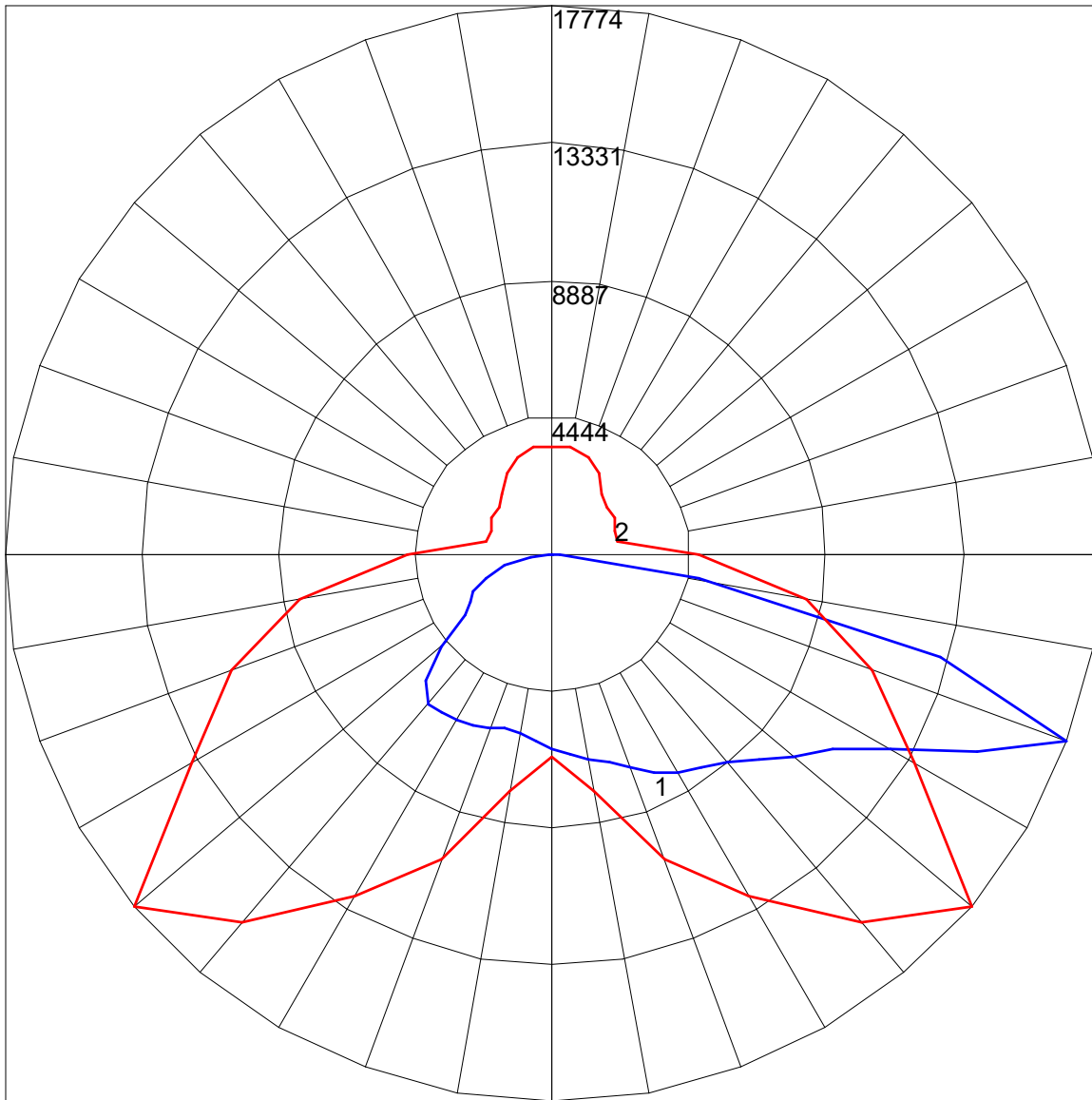
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	18386.6	50.0
Downward House Side	18386.6	50.0
Downward Total	36773.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	36773.2	100.0

POLAR GRAPH



Maximum Candela = 17774 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

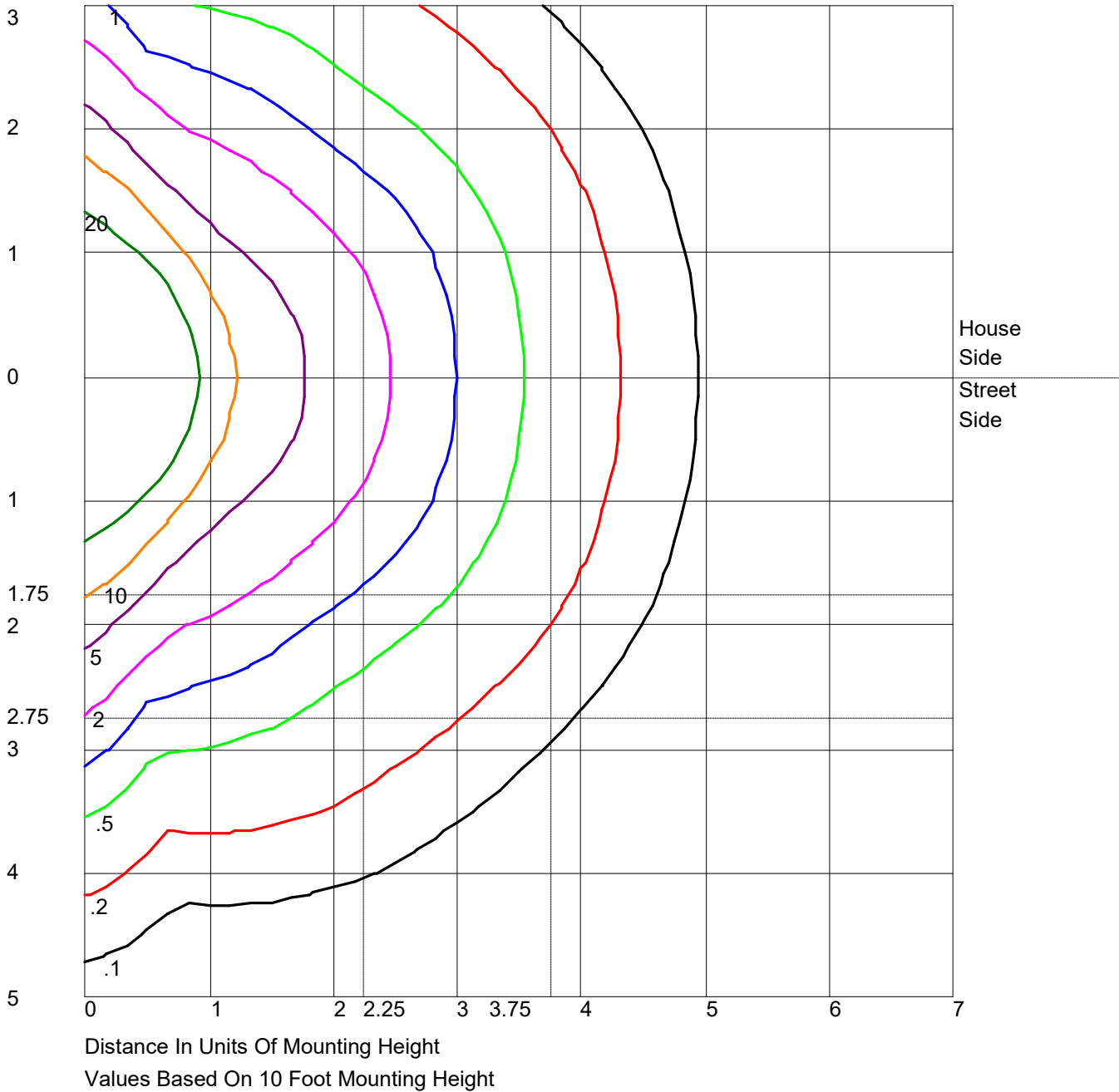


PHOTO IES R

