



IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-SCR-LED-23L-45.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 3048
[TESTLAB] TUV SUD America
[TESTDATE] 2/9/2017 10:10:56 AM
[ISSUE DATE] 11/15/2019
[MANUFAC] LSI INDUSTRIES, INC.
[_SEARCH_ SOURCETYPE] LED
[_SEARCH_ APPLICATION] Outdoor
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[LUMCAT] TEL22-SCR-LED-23L-45

CHARACTERISTICS

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	25423
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	221.99
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	14460
Maximum Candela Angle	310H 60V
Maximum Candela (<90 Degrees Vertical)	14460
Maximum Candela Angle (<90 Degrees Vertical)	310H 60V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1647 (6.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1673.3	N.A.	6.6
FM - Front-Medium (30-60)	7029.6	N.A.	27.7
FH - Front-High (60-80)	3917.0	N.A.	15.4
FVH - Front-Very High (80-90)	91.5	N.A.	0.4
BL - Back-Low (0-30)	1673.3	N.A.	6.6
BM - Back-Medium (30-60)	7029.6	N.A.	27.7
BH - Back-High (60-80)	3917.0	N.A.	15.4
BVH - Back-Very High (80-90)	91.5	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	25422.8	N.A.	100.0
BUG Rating	B4-U0-G4		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	10	20	30	40	50	60	70	80	90
0	3286	3286	3286	3286	3286	3286	3286	3286	3286	3286
5	3342	3228	3088	2964	2855	2765	2692	2642	2613	2605
10	3447	3203	2949	2733	2567	2442	2333	2247	2207	2185
15	3585	3235	2910	2659	2417	2274	2184	2123	2090	2079
20	3743	3317	2934	2591	2412	2280	2172	2089	2040	2027
25	3948	3416	2925	2616	2441	2294	2172	2072	2006	1986
30	4310	3603	2933	2643	2463	2317	2189	2076	1987	1958
35	5196	4106	3094	2687	2572	2446	2300	2145	2012	1962
40	6277	4658	3242	2869	2911	2678	2414	2222	2074	2020
45	6588	4668	3209	3174	3203	2781	2420	2221	2106	2067
50	6174	4212	3113	3206	3051	2692	2398	2226	2126	2084
55	5556	3710	2984	3033	2823	2576	2347	2193	2141	2086
60	4764	3166	2672	2639	2464	2365	2196	2102	2015	1967
65	3523	2378	2152	2041	1950	1987	1838	1752	1670	1623
70	2193	1313	1371	1310	1285	1275	1254	1298	1192	1150
75	889	598	705	729	690	678	718	762	710	662
80	255	200	243	259	251	258	289	316	258	245
85	37	31	34	37	38	40	41	42	42	41
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									
	100	110	120	130	140	150	160	170	180	190
0	3286	3286	3286	3286	3286	3286	3286	3286	3286	3286
5	2613	2642	2692	2765	2855	2964	3088	3228	3342	3495
10	2207	2247	2333	2442	2567	2733	2949	3203	3447	3719
15	2090	2123	2184	2274	2417	2659	2910	3235	3585	3993
20	2040	2089	2172	2280	2412	2591	2934	3317	3743	4249
25	2006	2072	2172	2294	2441	2616	2925	3416	3948	4535
30	1987	2076	2189	2317	2463	2643	2933	3603	4310	5066
35	2012	2145	2300	2446	2572	2687	3094	4106	5196	6138
40	2074	2222	2414	2678	2911	2869	3242	4658	6277	7449
45	2106	2221	2420	2781	3203	3174	3209	4668	6588	8088
50	2126	2226	2398	2692	3051	3206	3113	4212	6174	8054
55	2141	2193	2347	2576	2823	3033	2984	3710	5556	7807

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CANDELA TABULATION - (Cont.)

60	2015	2102	2196	2365	2464	2639	2672	3166	4764	7442
65	1670	1752	1838	1987	1950	2041	2152	2378	3523	6505
70	1192	1298	1254	1275	1285	1310	1371	1313	2193	4516
75	710	762	718	678	690	729	705	598	889	2331
80	258	316	289	258	251	259	243	200	255	694
85	42	42	41	40	38	37	34	31	37	76
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	3286	3286	3286	3286	3286	3286	3286	3286	3286	3286
5	3612	3722	3817	3895	3965	4013	4046	4052	4046	4013
10	3957	4176	4385	4564	4717	4831	4900	4935	4900	4831
15	4349	4705	5003	5231	5407	5546	5643	5697	5643	5546
20	4750	5192	5519	5803	6011	6180	6287	6341	6287	6180
25	5155	5637	5976	6260	6487	6653	6772	6809	6772	6653
30	5806	6253	6499	6644	6853	7035	7159	7207	7159	7035
35	6956	7345	7356	7198	7197	7415	7640	7737	7640	7415
40	8374	8807	8616	8118	7805	7996	8306	8417	8306	7996
45	9230	10068	10152	9436	8755	8860	9252	9407	9252	8860
50	9705	11168	11609	10929	9938	10006	10599	10722	10599	10006
55	10255	12540	13136	12511	11452	11468	12160	12146	12160	11468
60	10627	13659	14379	14460	12865	12212	12115	11769	12115	12212
65	9886	12930	14161	14302	11055	8835	7765	7052	7765	8835
70	7212	9501	10375	8237	5596	4473	3084	2638	3084	4473
75	4235	5214	5188	4009	2828	2155	974	798	974	2155
80	1377	1647	1380	1029	856	606	268	204	268	606
85	99	95	81	48	34	23	22	22	22	23
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

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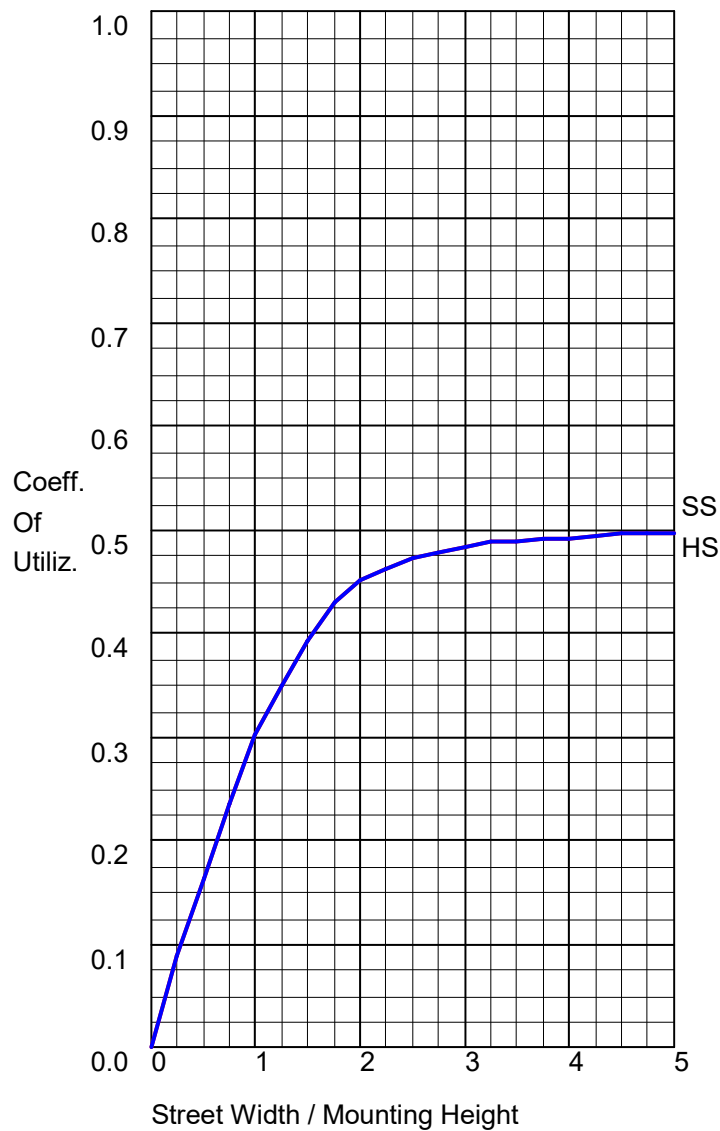
CANDELA TABULATION - (Cont.)

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	3286	3286	3286	3286	3286	3286	3286
5	3965	3895	3817	3722	3612	3495	3342
10	4717	4564	4385	4176	3957	3719	3447
15	5407	5231	5003	4705	4349	3993	3585
20	6011	5803	5519	5192	4750	4249	3743
25	6487	6260	5976	5637	5155	4535	3948
30	6853	6644	6499	6253	5806	5066	4310
35	7197	7198	7356	7345	6956	6138	5196
40	7805	8118	8616	8807	8374	7449	6277
45	8755	9436	10152	10068	9230	8088	6588
50	9938	10929	11609	11168	9705	8054	6174
55	11452	12511	13136	12540	10255	7807	5556
60	12865	14460	14379	13659	10627	7442	4764
65	11055	14302	14161	12930	9886	6505	3523
70	5596	8237	10375	9501	7212	4516	2193
75	2828	4009	5188	5214	4235	2331	889
80	856	1029	1380	1647	1377	694	255
85	34	48	81	95	99	76	37
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

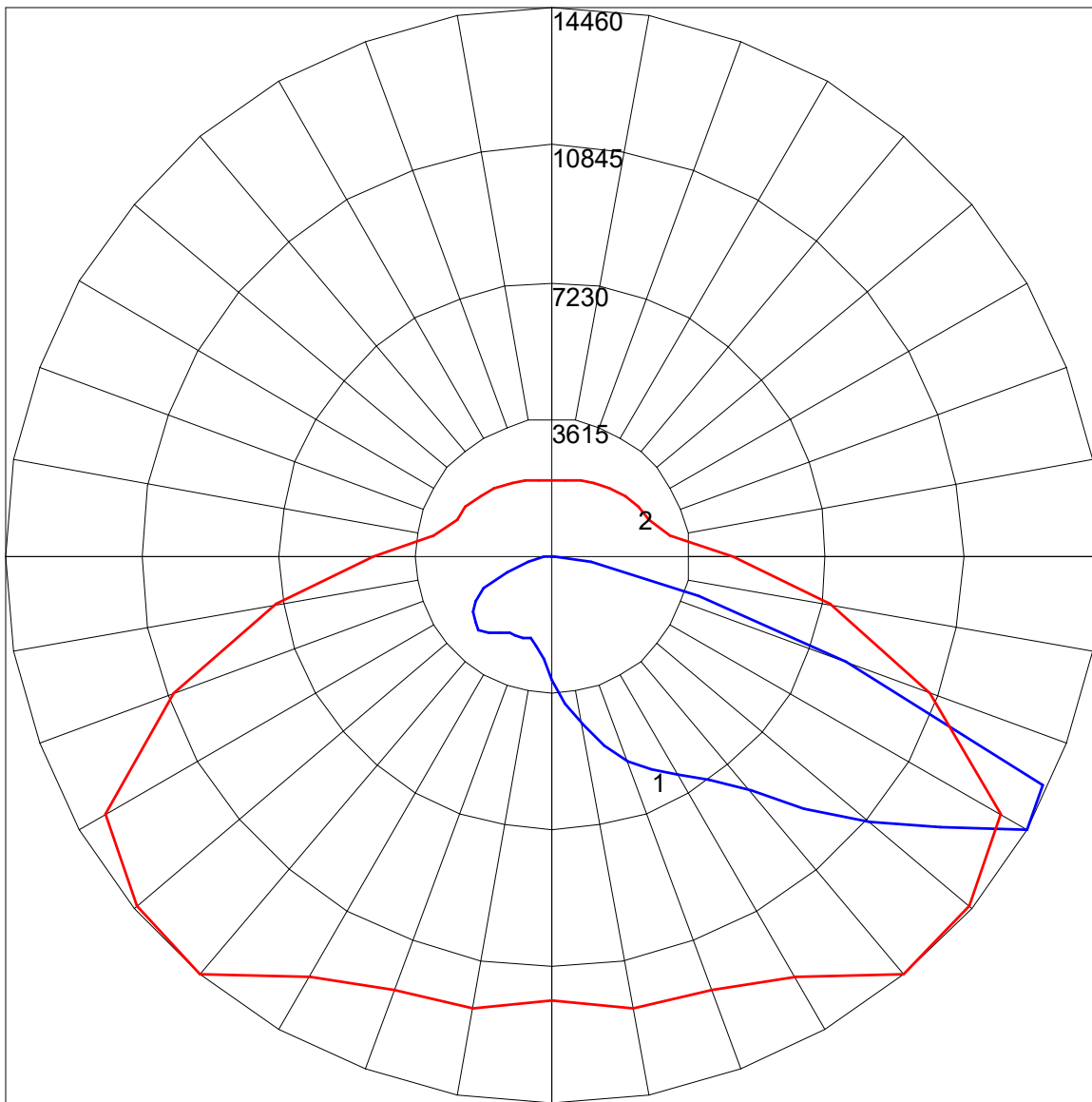
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	12711.4	50.0
Downward House Side	12711.4	50.0
Downward Total	25422.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	25422.8	100.0

POLAR GRAPH



Maximum Candela = 14460 Located At Horizontal Angle = 310, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (310 - 130) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

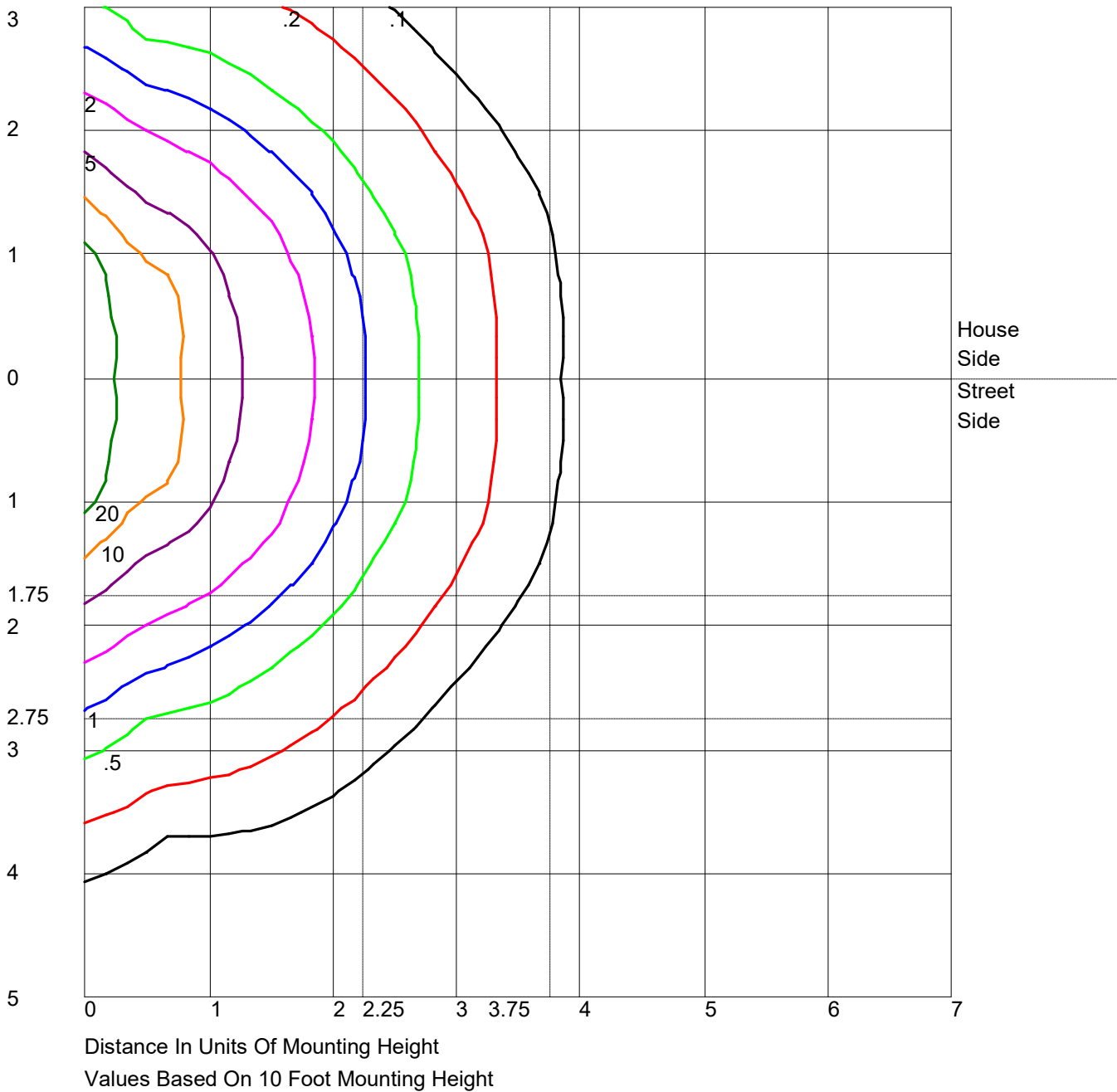


PHOTO IES R

