



IES ROAD REPORT

PHOTOMETRIC FILENAME : TEL22-SCR-LED-34L-45.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 2,911

[TESTLAB] TUV SUD America

[TESTDATE] 5/10/2016 9:49:42 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-SCR-LED-34L-45

CHARACTERISTICS

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	33336
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	301.12
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	19062
Maximum Candela Angle	320H 60V
Maximum Candela (<90 Degrees Vertical)	19062
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	3248 (9.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2275.1	N.A.	6.8
FM - Front-Medium (30-60)	9409.4	N.A.	28.2
FH - Front-High (60-80)	5786.5	N.A.	17.4
FVH - Front-Very High (80-90)	196.5	N.A.	0.6
BL - Back-Low (0-30)	2207.0	N.A.	6.6
BM - Back-Medium (30-60)	8459.7	N.A.	25.4
BH - Back-High (60-80)	4866.1	N.A.	14.6
BVH - Back-Very High (80-90)	135.6	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	33335.9	N.A.	100.0
BUG Rating	B4-U0-G4		

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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	4404	4404	4404	4404	4404	4404	4404	4404	4404	4404
5	4595	4342	4168	3996	3838	3705	3602	3528	3481	3467
10	4839	4441	4089	3779	3480	3177	2980	2891	2849	2837
15	5130	4605	4152	3657	3292	3096	2934	2814	2752	2738
20	5396	4750	4177	3673	3428	3199	2988	2804	2702	2684
25	5646	4889	4130	3778	3524	3274	3027	2805	2663	2631
30	6181	5091	4158	3823	3582	3350	3094	2837	2640	2578
35	7416	5688	4368	3916	3826	3597	3273	2926	2667	2590
40	8609	6239	4545	4314	4428	4026	3376	2946	2713	2651
45	8953	6305	4510	4595	4620	4046	3380	2915	2704	2665
50	8383	5650	4354	4491	4248	3762	3309	2897	2733	2690
55	7448	4914	4114	4141	3833	3502	3213	2926	2781	2723
60	6296	4222	3598	3446	3220	3113	2939	2689	2506	2459
65	4708	3145	2734	2586	2534	2457	2281	2146	1940	1813
70	3018	1841	1757	1687	1595	1525	1441	1471	1301	1185
75	1405	1058	1022	974	857	784	790	765	650	547
80	512	431	402	361	305	271	255	233	194	172
85	46	42	30	26	23	17	13	10	8	8
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	4404	4404	4404	4404	4404	4404	4404	4404	4404	4404
5	3487	3534	3618	3722	3861	4026	4199	4397	4550	4649
10	2855	2900	2991	3176	3460	3748	4065	4419	4690	4937
15	2760	2818	2920	3059	3233	3583	4030	4485	4910	5372
20	2715	2810	2965	3129	3305	3470	3931	4483	5035	5647
25	2675	2802	2975	3131	3293	3476	3775	4474	5142	5847
30	2639	2806	2970	3117	3283	3419	3670	4469	5201	6011
35	2664	2861	3070	3242	3363	3420	3788	4869	5994	7084
40	2720	2871	3138	3545	3791	3688	3925	5347	7095	8437
45	2729	2832	3106	3680	4089	3947	3864	5394	7977	9698
50	2716	2777	2982	3300	3681	3672	3528	4751	7327	9274
55	2748	2635	2826	3010	3086	3282	3228	4019	6517	8754

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CANDELA TABULATION - (Cont.)

60	2516	2461	2547	2515	2550	2706	2720	3194	5425	8234
65	1929	1967	1883	1958	1902	1872	1991	2358	4055	6871
70	1258	1281	1142	1131	1137	1174	1220	1317	2742	5119
75	602	626	598	554	567	622	619	571	1324	2994
80	170	185	181	168	171	185	161	122	304	711
85	7	9	9	10	11	10	9	7	40	53
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	4404	4404	4404	4404	4404	4404	4404	4404	4404	4404
5	4778	4908	5026	5141	5221	5276	5306	5319	5310	5275
10	5255	5522	5733	5940	6125	6255	6336	6355	6324	6253
15	5834	6217	6561	6844	7083	7251	7367	7378	7335	7251
20	6223	6829	7335	7720	7992	8149	8266	8274	8227	8121
25	6559	7296	7918	8431	8631	8797	8903	8917	8858	8805
30	6811	7708	8436	8805	9223	9452	9550	9590	9525	9486
35	8009	8551	8935	9320	9617	10024	10213	10313	10215	10121
40	9504	10111	10100	9848	10261	10641	11012	11130	11051	10849
45	11039	12036	11849	11024	11209	11509	11904	12041	11938	11819
50	11425	13378	13809	12740	11833	12561	13047	13151	13098	12990
55	11513	14013	15283	14440	13218	14033	14724	14755	14837	14544
60	11746	15183	15837	15818	14616	14403	15907	15633	15876	15889
65	10676	14958	15905	15696	14562	13556	13713	12977	13638	14827
70	8285	11295	12437	12549	8927	7602	6494	5320	6336	8114
75	5232	6464	7314	5802	4170	3429	2169	1823	2198	3864
80	1913	2365	2387	2032	1625	1325	684	501	656	1517
85	95	219	247	205	193	176	106	105	118	187
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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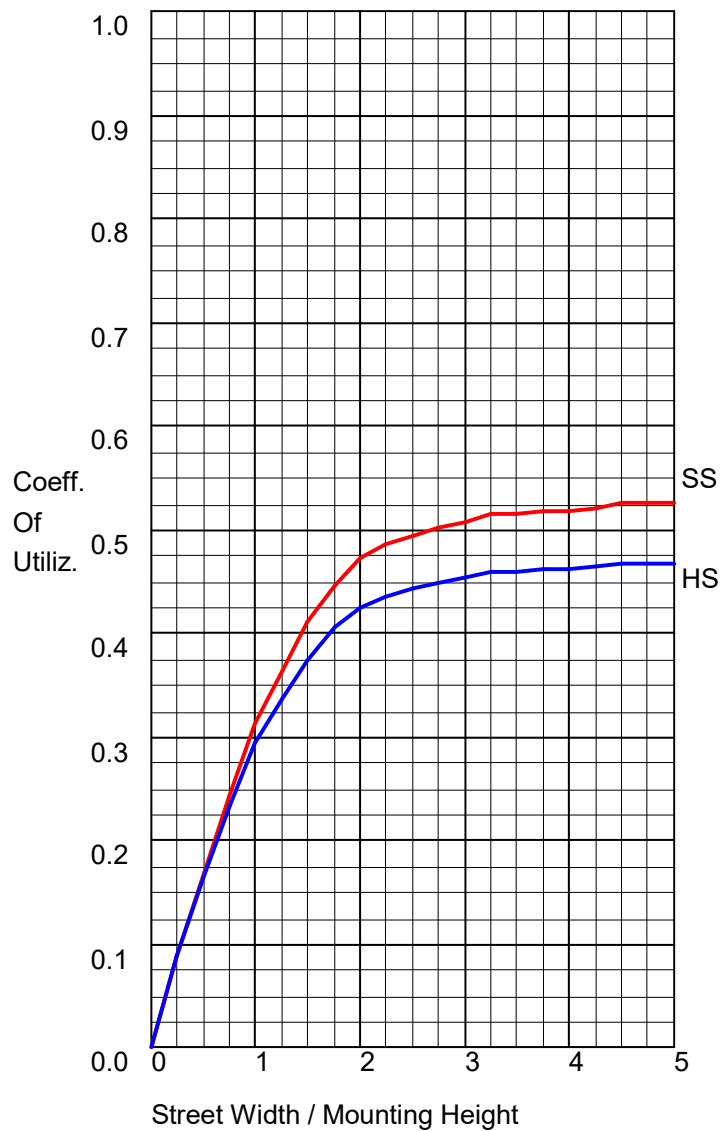
CANDELA TABULATION - (Cont.)

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	4404	4404	4404	4404	4404	4404	4404
5	5232	5148	5060	4947	4819	4688	4595
10	6143	5993	5809	5622	5353	5051	4839
15	7118	6960	6707	6412	6023	5532	5130
20	8024	7839	7559	7124	6591	5995	5396
25	8686	8533	8240	7714	7062	6331	5646
30	9334	9100	8772	8394	7709	6862	6181
35	9904	9774	9894	9662	9069	8220	7416
40	10672	10932	11437	11570	10976	9817	8609
45	11916	12533	13567	13779	12538	11085	8953
50	13319	14617	15783	15205	13257	11017	8383
55	15001	16521	17694	16774	13913	10627	7448
60	16649	18408	19062	18212	14368	10172	6296
65	16524	18854	19047	18034	13689	8979	4708
70	10697	14912	15537	13953	10510	6804	3018
75	5142	7454	8987	8240	6879	4022	1405
80	2137	2752	3186	3248	2886	1566	512
85	252	267	374	400	302	213	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

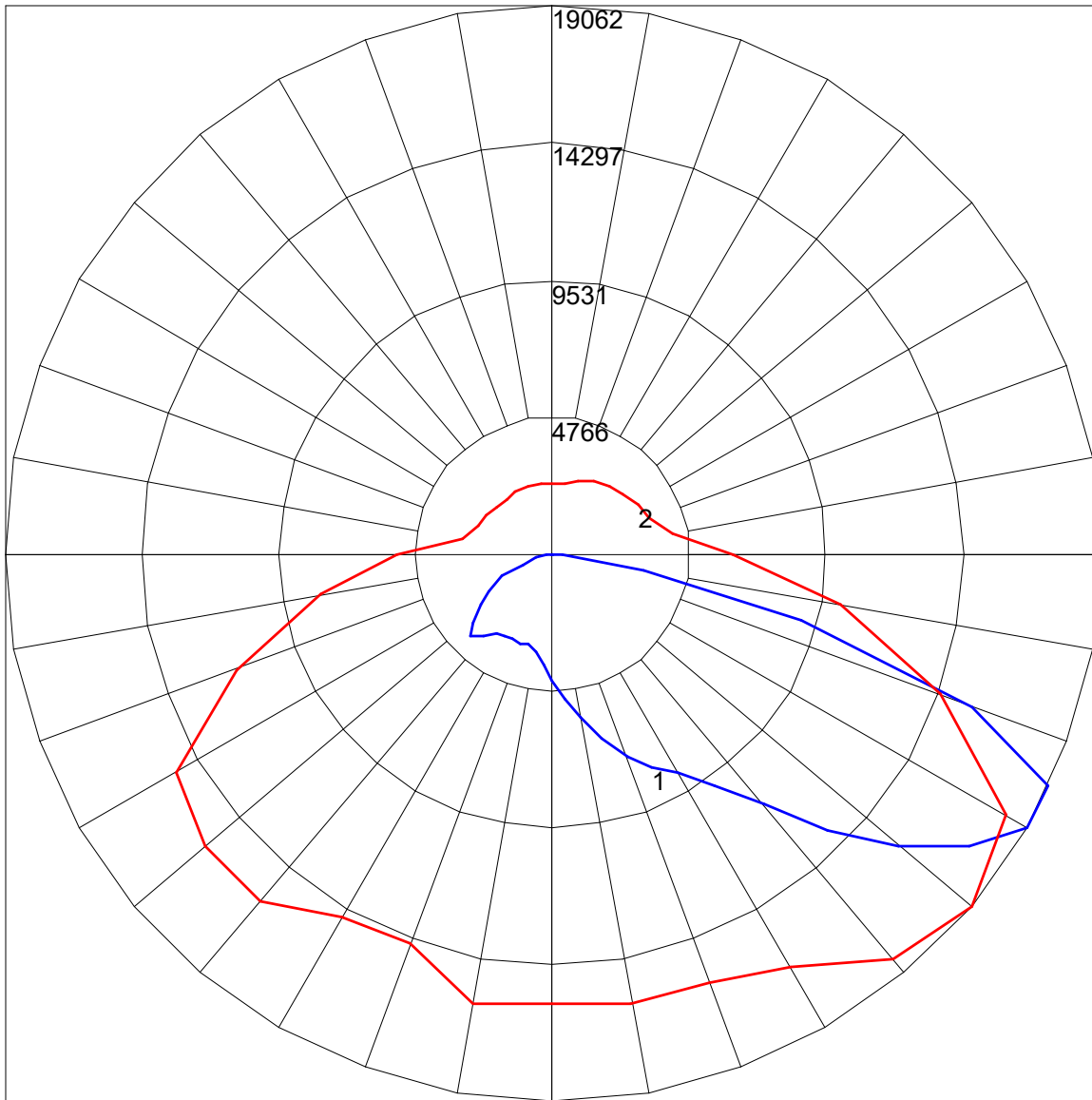
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	17667.5	53.0
Downward House Side	15668.4	47.0
Downward Total	33335.9	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	33335.9	100.0

POLAR GRAPH



Maximum Candela = 19062 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

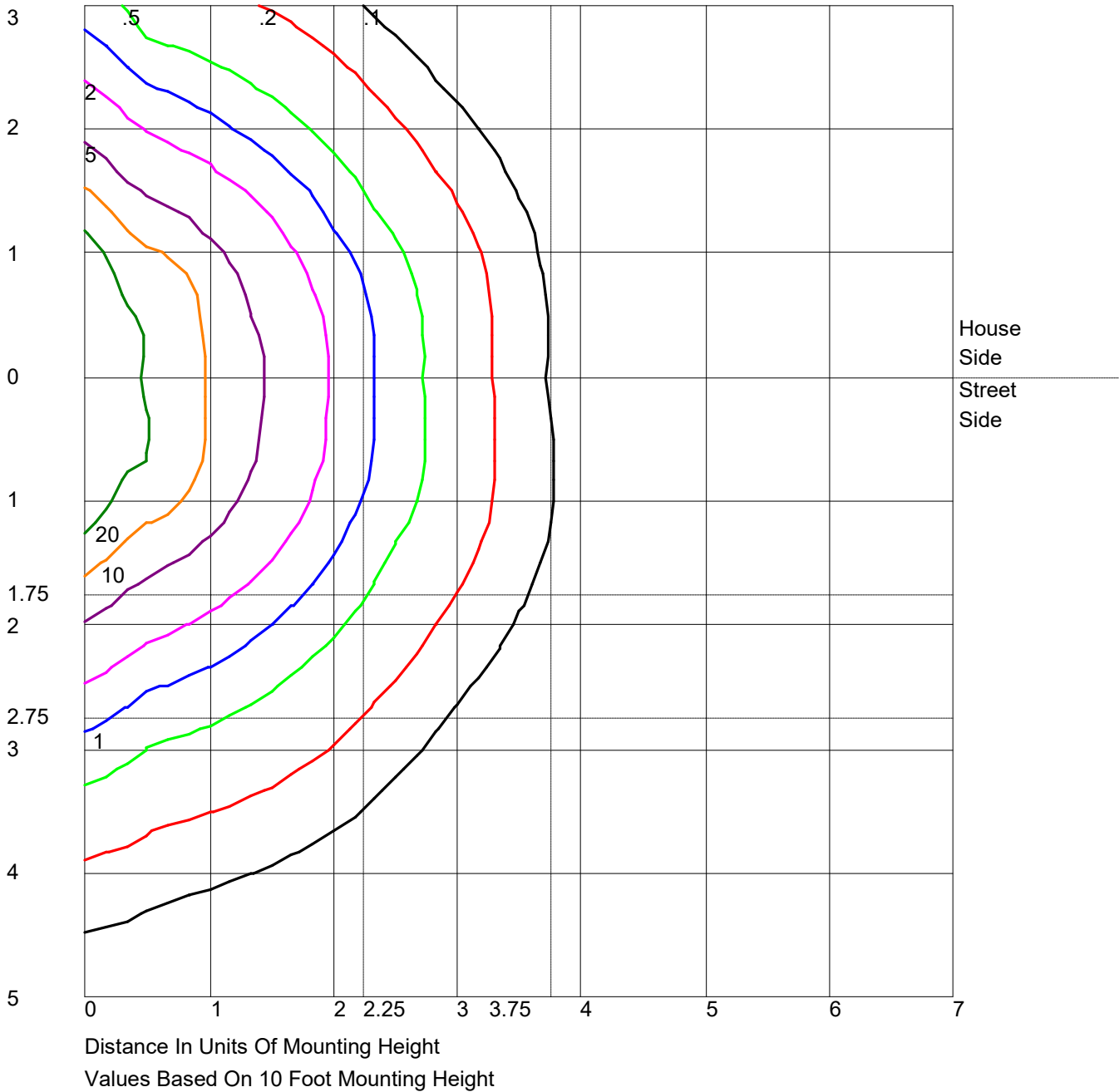


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