



OUTDOOR LIGHTING SPECIALISTS SINCE 1972

IES ROAD REPORT
PHOTOMETRIC FILENAME : LED55-757-T5S-D6 NO FIXTURE.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 1,865
[TESTLAB] OnSpeX
[ISSUE DATE] 4/27/2010 4:28:48 PM
[MANUFAC] Osram Sylvania
[LUMINAIRE] Post Top Retrofit - No Post
[_ AMBIENT] 25.1 deg C
[_ POWERFACTOR] 0.973
[_ STABILIZATION] 58:44.1 Stable
[_ POWER VARIATION] 0.18 %
[_ LIGHT VARIATION] 0.47 %
[_ Lumens] 0.00

CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Short
Cutoff Classification (deprecated)	Cutoff
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3488
Total Luminaire Efficiency	N.A.
Downward Total Efficiency	N.A.
Maximum Candela	1102
Maximum Candela Angle	292.5H 60V
Maximum Candela At 90 Degrees Vertical	26.3 (0.8% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	130.54 (3.7% Luminaire Lumens)
Total Luminaire Watts	56.6
Ballast Factor	1.00



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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	333.19	333.19	333.19	333.19	333.19	333.19	333.19	333.19	333.19	333.19
2.5	337.71	338.80	339.06	338.90	338.10	336.67	335.01	333.28	331.68	330.42
5.0	347.07	349.22	349.41	348.56	346.51	343.21	339.86	336.02	332.58	329.72
7.5	362.16	365.03	364.83	362.62	359.33	354.38	348.72	342.23	336.49	332.02
10.0	381.53	385.30	384.07	380.37	376.02	369.53	361.15	352.14	344.42	338.10
12.5	404.09	408.48	406.63	401.19	395.29	387.01	376.40	365.40	355.55	347.86
15.0	428.97	433.96	431.30	424.84	416.44	405.99	394.00	380.51	369.31	360.64
17.5	457.33	462.93	459.60	450.62	439.24	426.54	412.47	397.25	384.35	374.62
20.0	490.37	495.80	492.07	480.82	465.28	450.33	434.43	416.76	401.83	391.32
22.5	528.32	533.62	528.74	514.74	495.71	477.51	460.01	439.79	422.38	411.66
25.0	570.65	576.29	569.90	553.18	529.73	508.91	488.88	466.28	446.60	434.94
27.5	617.39	623.64	617.36	597.40	569.01	545.02	522.01	497.01	475.22	462.34
30.0	670.62	676.26	670.51	647.83	614.49	587.30	560.20	532.69	507.92	493.45
32.5	737.62	743.18	737.91	711.02	669.59	638.68	607.05	574.56	545.86	531.01
35.0	810.48	814.89	808.91	781.10	736.58	701.68	666.44	629.95	595.64	579.16
37.5	878.80	882.26	877.86	850.35	802.75	764.54	727.28	686.18	647.84	629.96
40.0	903.86	900.95	897.26	875.65	839.13	807.26	774.43	733.70	695.15	678.22
42.5	929.56	924.44	915.05	891.82	860.89	825.31	789.13	748.98	715.33	700.43
45.0	972.14	961.45	943.87	918.10	896.42	855.46	809.85	770.14	746.39	731.46
47.5	1014.40	999.43	969.12	940.60	932.32	887.58	830.01	797.63	788.05	773.21
50.0	1052.20	1034.30	990.30	959.52	965.24	913.82	841.68	822.85	828.86	816.22
52.5	1079.40	1058.00	1003.90	975.76	992.03	933.31	848.48	842.59	863.77	859.74
55.0	1095.80	1070.30	1007.00	988.81	1004.30	941.94	852.60	851.96	890.12	899.16
57.5	1097.90	1074.90	1000.70	989.80	999.28	931.68	852.79	850.11	905.90	932.91
60.0	1061.90	1049.20	985.67	975.01	970.80	904.84	844.16	840.00	899.27	960.84
62.5	960.02	944.39	932.36	917.60	898.09	845.03	820.98	816.91	862.22	955.04
65.0	812.39	802.23	827.62	829.05	784.18	749.60	759.78	773.45	794.13	881.06
67.5	675.85	650.43	653.90	673.43	678.62	684.20	692.88	723.99	724.10	776.61
70.0	383.05	370.19	373.74	420.55	500.19	562.85	617.85	650.98	656.37	690.58
72.5	175.96	176.64	173.84	203.00	250.28	305.05	374.86	407.57	453.81	473.92
75.0	105.94	108.40	114.61	115.79	112.93	136.50	166.86	148.97	203.18	210.62
77.5	102.28	107.14	123.53	114.66	105.51	101.88	101.34	100.30	104.12	106.79
80.0	95.43	98.88	119.18	108.08	97.81	94.15	96.97	98.81	94.35	101.50
82.5	66.17	67.91	73.52	74.91	74.37	79.71	87.71	89.74	86.48	92.59
85.0	34.04	34.19	38.48	41.32	45.56	47.68	63.54	66.21	66.24	68.31
87.5	19.02	17.11	20.48	23.78	26.76	26.69	36.41	39.50	36.59	39.07
90.0	13.05	10.74	13.36	15.67	18.40	14.66	21.78	22.06	21.70	22.12

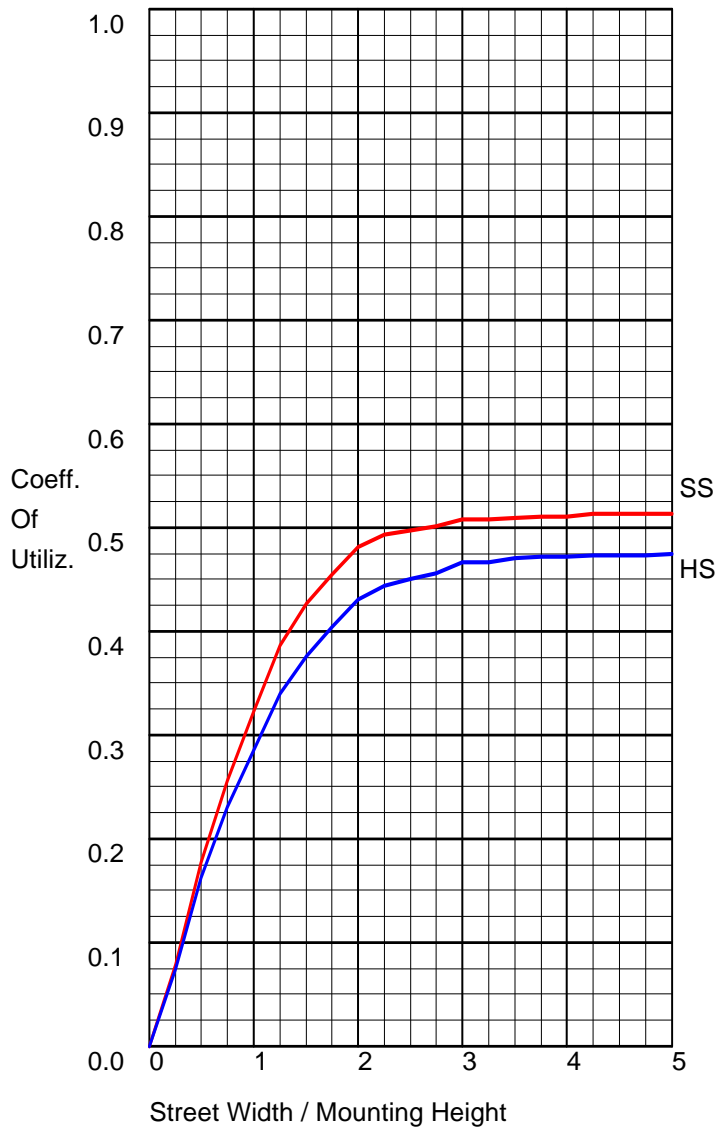
Vert. Angles	Horizontal Angles						
	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	333.19	333.19	333.19	333.19	333.19	333.19	333.19
2.5	329.71	329.57	330.46	331.87	333.85	336.00	337.71
5.0	327.80	327.84	329.83	333.53	338.22	343.24	347.07
7.5	329.33	329.52	333.70	339.68	347.82	355.89	362.16
10.0	334.63	335.95	342.14	351.12	361.74	372.98	381.53
12.5	343.30	346.08	354.68	366.05	379.20	393.75	404.09
15.0	355.39	359.48	369.85	383.63	399.98	417.31	428.97
17.5	369.90	375.34	386.97	403.43	423.84	443.60	457.33
20.0	388.45	394.48	407.88	427.62	452.11	475.25	490.37
22.5	409.80	417.22	432.49	455.75	485.43	511.59	528.32
25.0	434.25	444.11	461.88	488.93	524.01	553.20	570.65
27.5	462.58	475.02	495.97	528.65	568.88	600.46	617.39

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30.0	495.71	511.28	536.70	575.93	622.48	654.57	670.62
32.5	534.54	553.86	586.18	633.31	687.76	723.67	737.62
35.0	587.07	612.99	651.94	707.74	769.83	799.88	810.48
37.5	642.12	675.16	718.23	780.59	847.57	872.19	878.80
40.0	696.25	733.25	773.69	836.31	896.39	906.59	903.86
42.5	719.56	759.53	798.09	859.96	920.62	928.21	929.56
45.0	751.76	790.70	832.43	901.63	952.09	962.01	972.14
47.5	790.50	825.42	877.75	947.66	980.96	996.18	1014.40
50.0	830.07	860.08	924.92	995.60	1003.90	1026.00	1052.20
52.5	866.07	894.91	973.19	1037.60	1018.70	1046.30	1079.40
55.0	896.37	928.79	1020.00	1075.20	1030.90	1054.20	1095.80
57.5	917.83	957.88	1056.30	1099.10	1034.30	1046.20	1097.90
60.0	931.54	981.34	1079.50	1102.00	1033.90	1026.00	1061.90
62.5	939.67	989.57	1085.60	1075.00	1013.00	971.51	960.02
65.0	931.81	977.02	1045.30	996.22	925.51	871.18	812.39
67.5	866.55	913.37	887.57	851.32	780.61	726.97	675.85
70.0	724.56	757.30	706.34	637.01	534.82	437.25	383.05
72.5	471.80	452.23	416.39	317.51	257.78	204.74	175.96
75.0	202.33	220.98	187.89	152.03	113.29	109.10	105.94
77.5	114.61	117.65	108.81	107.48	104.50	114.39	102.28
80.0	116.74	126.50	104.21	104.20	100.07	116.53	95.43
82.5	118.75	130.54	98.36	38.71	79.10	81.56	66.17
85.0	80.95	93.40	56.08	0.83	33.19	39.48	34.04
87.5	46.45	51.37	25.00	0.63	15.44	22.15	19.02
90.0	24.50	26.30	15.60	0.54	9.78	13.57	13.05

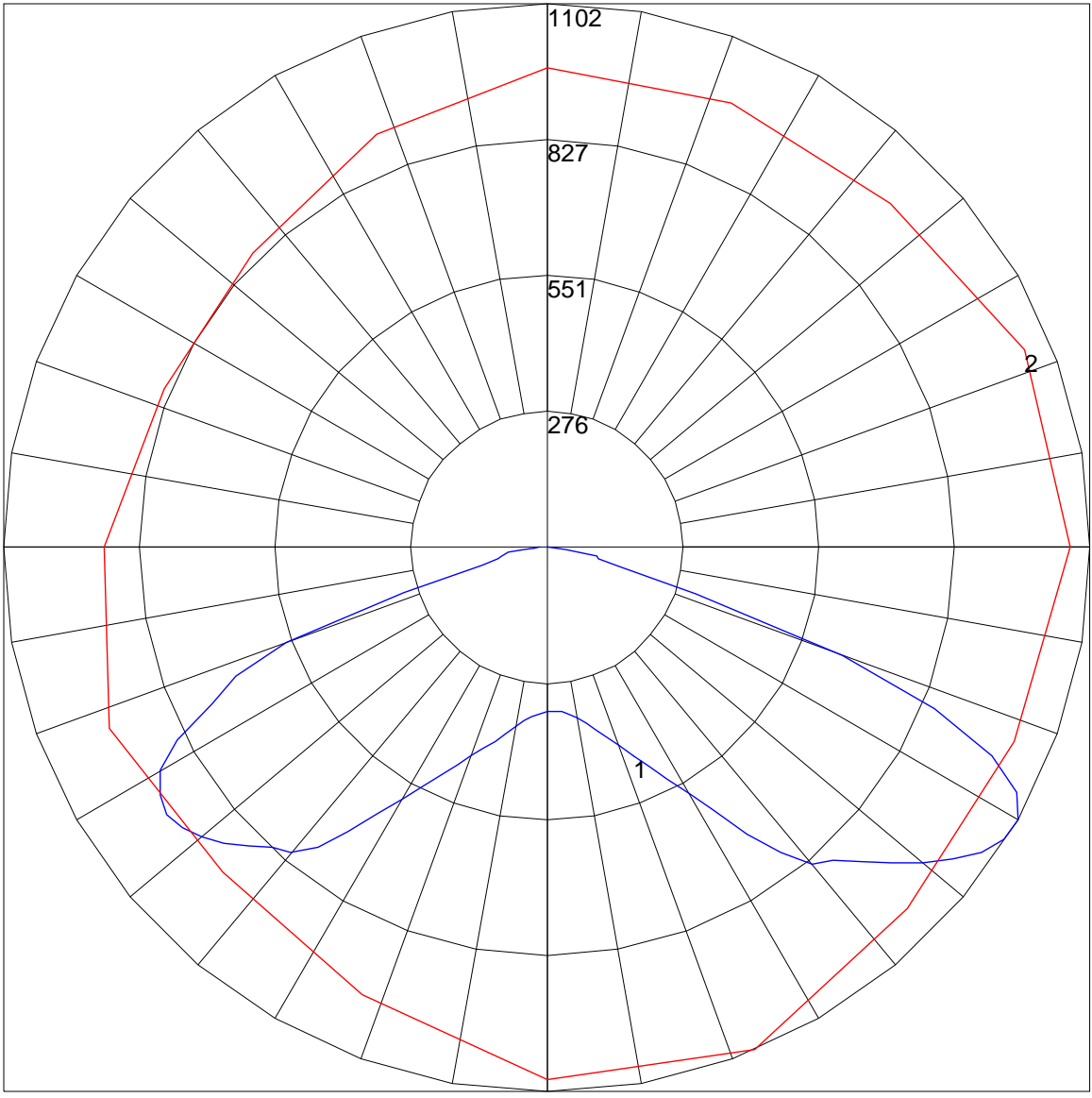
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

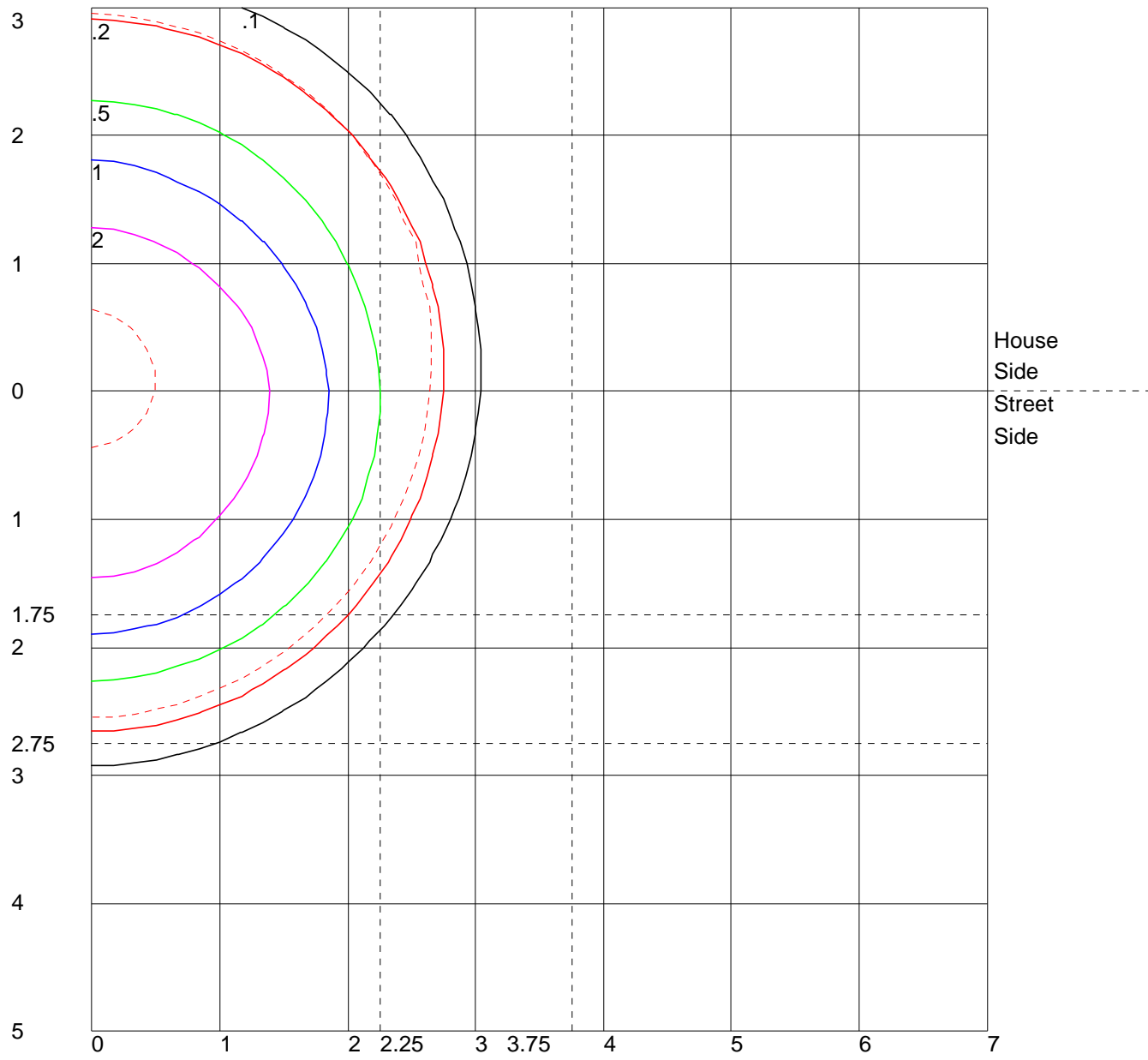
	Lumens	Percent Of Luminaire
Downward Street Side	1807.3	51.8
Downward House Side	1680.3	48.2
Downward Total	3487.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3487.6	100.0

POLAR GRAPH



Maximum Candela = 1102 Located At Horizontal Angle = 292.5, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (292.5 - 112.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
 Values Based On 10 Foot Mounting Height
 1/2 Maximum Candela Trace Shown As Dashed Curve
 (+) = Maximum Candela Point