



8165 E. Kaiser Blvd. Anaheim, CA 92808  
p. 714.282.2270  
f. 714.676.5558

# Photometric Test Report

## IES ROAD REPORT

PHOTOMETRIC FILENAME : L01135702 - COPY.IES

## DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] L01135702  
[TESTLAB] LIGHT LABORATORY INC  
[ISSUEDATE] 01/31/2013  
[LUMCAT] LL50  
[LUMINAIRE] 3-1/2"L. X 5"W. X 2-1/4"H. LED FLOOD LIGHT  
[MORE] SIX DAYLIGHT LEDS WITH CLEAR TEMPERED GLASS  
[LAMPPOSITION] 0,0  
[LAMPCAT] N/A  
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND  
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP  
RATINGS.[\_INPUT] 110VAC, 6.95W  
[\_TEST PROCEDURE] IESNA:LM-79-08

## CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	469
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	6.95
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	988.11
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	988.11
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.01 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : L01135702 - COPY.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	163.9	N.A.	34.9
FM - Front-Medium (30-60)	80.5	N.A.	17.1
FH - Front-High (60-80)	1.6	N.A.	0.4
FVH - Front-Very High (80-90)	0.3	N.A.	0.1
BL - Back-Low (0-30)	150.1	N.A.	32.0
BM - Back-Medium (30-60)	71.2	N.A.	15.2
BH - Back-High (60-80)	1.5	N.A.	0.3
BVH - Back-Very High (80-90)	0.3	N.A.	0.1
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	469.4	N.A.	100.0
BUG Rating	B1-U0-G0		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : L01135702 - COPY.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	969.28	969.28	969.28	969.28	969.28	969.28	969.28	969.28	969.28	969.28
2	988.11	987.27	984.62	982.71	980.71	977.14	973.65	969.75	966.34	959.28
4	979.13	973.07	975.89	968.42	970.33	959.86	961.36	946.32	944.08	929.37
6	933.77	927.05	934.11	922.64	927.54	912.26	913.92	894.23	896.81	871.05
8	874.62	855.10	866.82	847.13	858.67	838.49	841.89	817.97	821.37	798.11
10	779.25	769.53	776.26	756.99	765.13	743.95	749.76	724.76	726.08	707.14
12	677.40	661.12	673.08	652.06	661.29	637.69	644.92	620.16	629.38	599.31
14	580.87	556.36	571.06	546.56	559.35	536.59	544.06	521.39	528.20	507.26
16	482.84	469.05	478.44	462.15	469.21	448.86	455.51	435.40	444.12	424.44
18	404.75	393.78	401.51	388.38	393.61	378.16	384.73	367.28	373.01	351.20
20	343.27	329.30	337.29	324.53	330.31	318.25	320.67	308.66	311.37	300.12
22	287.44	281.59	286.11	277.46	279.80	269.86	271.83	262.35	264.93	254.76
24	245.91	240.89	243.83	238.30	239.51	233.27	235.19	227.64	228.71	222.09
26	216.99	213.36	215.75	210.84	211.43	206.23	207.28	202.68	203.04	198.78
28	195.23	193.01	193.32	190.82	190.58	188.02	187.42	184.40	184.51	181.81
30	177.45	176.08	176.62	174.44	174.38	172.03	172.13	169.13	169.06	165.68
32	164.99	163.86	164.74	162.16	162.17	159.56	159.59	156.91	156.68	153.87
34	154.52	152.40	153.28	150.27	150.62	147.27	147.38	142.91	143.56	139.88
36	138.41	136.09	137.49	135.18	135.83	132.57	132.92	129.32	129.27	126.15
38	126.28	125.64	125.94	124.67	124.20	122.76	122.29	119.80	119.21	117.25
40	119.30	117.68	117.89	116.70	116.72	114.85	114.98	111.80	111.66	109.36
42	111.82	109.93	109.83	108.11	108.58	105.63	105.67	101.82	101.69	97.85
44	100.52	97.71	98.20	94.92	95.95	91.66	91.30	85.92	89.06	81.56
46	84.24	80.09	84.07	77.05	78.62	72.53	75.35	68.02	67.61	62.84
48	62.64	58.74	60.62	55.88	56.63	52.01	52.27	46.91	46.66	42.07
50	41.26	38.36	39.87	36.52	37.33	33.51	33.82	28.72	29.53	25.57
52	24.24	22.46	24.18	21.46	22.31	19.26	19.86	17.03	17.36	15.20
54	14.21	12.93	13.87	12.60	13.09	11.28	11.35	9.94	10.29	9.21
56	8.32	8.03	8.22	7.83	7.74	7.05	6.87	6.43	6.57	6.06
58	5.23	4.97	5.36	4.98	5.09	4.52	4.61	4.32	4.59	4.27
60	3.51	3.28	3.55	3.41	3.51	3.20	3.27	3.14	3.31	3.18
62	2.53	2.50	2.65	2.64	2.66	2.53	2.58	2.55	2.68	2.59
64	2.16	2.14	2.26	2.25	2.29	2.19	2.22	2.21	2.29	2.23
66	1.86	1.86	1.96	1.95	1.97	1.90	1.91	1.93	1.98	1.91
68	1.61	1.60	1.69	1.68	1.71	1.64	1.68	1.69	1.73	1.64
70	1.40	1.40	1.48	1.45	1.48	1.43	1.48	1.50	1.52	1.45
72	1.21	1.23	1.28	1.27	1.29	1.26	1.32	1.35	1.35	1.26
74	1.05	1.06	1.11	1.11	1.14	1.11	1.19	1.24	1.22	1.12
76	0.91	0.92	0.96	0.96	1.00	0.98	1.06	1.14	1.11	0.99
78	0.78	0.81	0.84	0.86	0.87	0.87	0.97	1.07	1.02	0.90
80	0.67	0.71	0.74	0.76	0.79	0.78	0.90	1.01	0.96	0.80
82	0.58	0.62	0.65	0.66	0.70	0.70	0.81	0.93	0.86	0.72
84	0.50	0.53	0.58	0.59	0.62	0.62	0.75	0.86	0.80	0.67
86	0.43	0.47	0.50	0.52	0.53	0.56	0.71	0.85	0.79	0.63
88	0.38	0.44	0.47	0.47	0.50	0.52	0.67	0.81	0.76	0.62
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

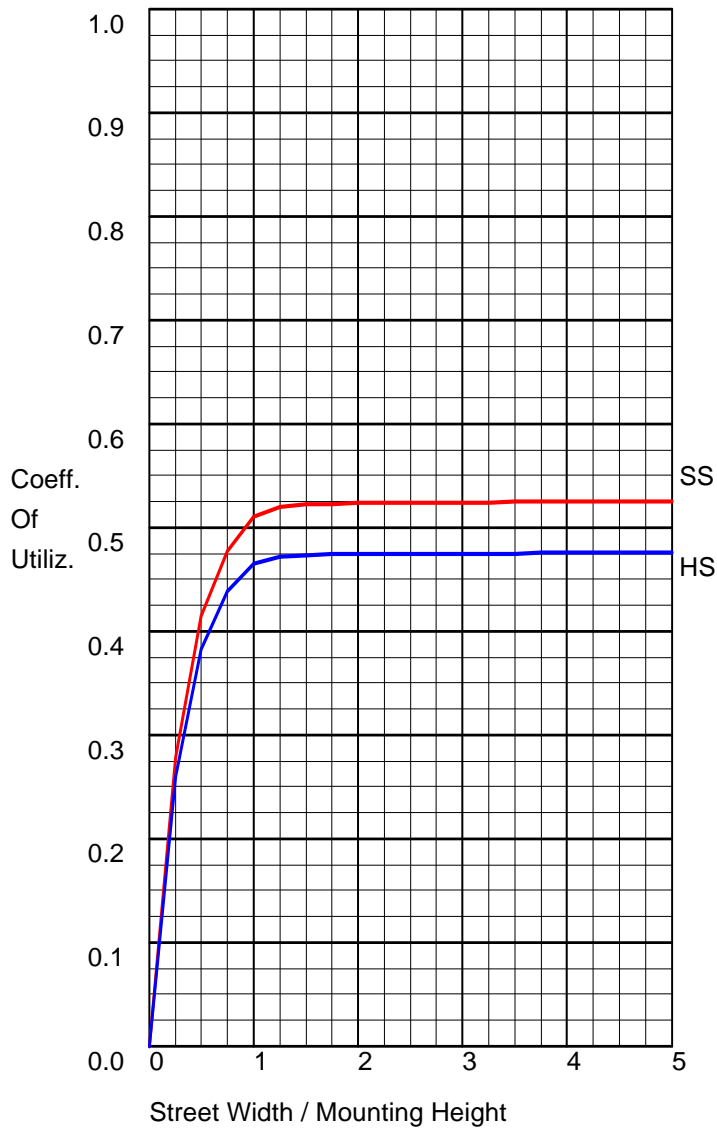
Vert. Angles	Horizontal Angles									
	<u>100</u>	<u>110</u>	<u>120</u>	<u>130</u>	<u>140</u>	<u>150</u>	<u>160</u>	<u>170</u>	<u>180</u>	
0	969.28	969.28	969.28	969.28	969.28	969.28	969.28	969.28	969.28	
2	953.71	952.30	942.08	943.58	933.03	936.68	927.29	932.86	925.80	
4	920.73	918.90	902.12	903.20	886.59	889.66	873.96	882.60	873.63	

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : L01135702 - COPY.IES**

**CANDELA TABULATION - (Cont.)**

6	865.82	867.90	845.55	845.46	827.35	829.18	814.31	821.12	809.66
8	791.88	794.71	774.43	777.26	753.58	760.98	741.45	752.75	737.55
10	702.82	705.73	687.95	693.77	669.26	675.41	659.54	665.52	653.64
12	598.90	612.44	584.94	593.74	571.40	580.20	560.18	571.31	555.28
14	503.52	511.83	493.47	501.53	479.10	490.23	470.96	482.75	467.22
16	421.86	433.16	414.38	422.86	404.25	413.97	399.51	407.65	396.27
18	349.54	363.21	347.90	353.49	342.10	347.67	330.87	343.44	330.51
20	298.28	302.73	292.30	296.25	286.11	291.68	284.37	288.94	282.84
22	253.75	257.95	249.20	251.97	245.07	248.56	242.69	246.90	241.29
24	221.17	223.23	217.76	220.24	215.06	216.58	211.89	214.92	211.46
26	197.66	198.97	195.15	196.31	193.74	194.65	192.48	194.65	192.44
28	179.69	180.36	177.57	178.03	176.40	177.37	176.01	176.87	176.12
30	164.90	165.32	162.98	163.99	162.13	163.24	161.62	163.24	161.68
32	152.76	153.44	150.98	152.03	150.63	152.36	151.46	152.86	151.63
34	137.65	139.07	135.51	137.49	135.17	137.66	135.63	137.82	135.51
36	125.13	125.28	123.04	124.12	123.03	124.70	123.45	124.61	123.22
38	116.32	116.06	114.25	115.06	114.89	115.48	115.63	116.56	116.14
40	107.92	108.08	105.99	107.00	106.21	107.83	107.38	109.08	107.97
42	96.32	97.03	93.88	95.62	93.76	96.78	94.85	96.95	94.03
44	79.78	81.02	77.51	79.11	76.67	79.75	76.93	84.24	76.76
46	61.30	62.75	57.82	60.65	56.58	59.82	56.05	58.74	55.63
48	40.92	42.36	38.84	40.47	37.15	39.86	36.21	38.72	34.59
50	24.78	26.19	23.70	25.09	22.74	24.13	22.01	23.45	21.67
52	14.63	15.26	13.59	14.86	13.51	14.66	13.07	13.82	12.78
54	8.92	9.09	8.48	9.30	8.49	9.11	8.14	8.67	8.04
56	5.94	5.87	5.57	5.87	5.62	5.82	5.40	5.48	5.20
58	4.10	4.10	3.73	4.00	3.75	4.01	3.56	3.64	3.39
60	3.06	3.04	2.85	2.95	2.82	2.92	2.65	2.63	2.49
62	2.53	2.53	2.41	2.43	2.35	2.40	2.24	2.17	2.08
64	2.16	2.18	2.07	2.09	2.01	2.08	1.93	1.88	1.78
66	1.87	1.89	1.80	1.80	1.75	1.79	1.69	1.63	1.56
68	1.62	1.66	1.56	1.56	1.54	1.56	1.46	1.42	1.36
70	1.41	1.45	1.37	1.36	1.33	1.37	1.29	1.26	1.18
72	1.25	1.31	1.21	1.20	1.17	1.21	1.14	1.12	1.05
74	1.12	1.17	1.10	1.06	1.04	1.06	1.02	1.00	0.91
76	1.01	1.07	0.98	0.94	0.91	0.96	0.90	0.87	0.81
78	0.92	0.99	0.89	0.82	0.82	0.85	0.82	0.78	0.71
80	0.85	0.91	0.80	0.74	0.72	0.76	0.74	0.71	0.65
82	0.77	0.85	0.72	0.66	0.65	0.68	0.67	0.65	0.58
84	0.73	0.79	0.67	0.58	0.57	0.61	0.60	0.57	0.52
86	0.71	0.76	0.65	0.54	0.51	0.52	0.54	0.52	0.47
88	0.67	0.72	0.60	0.50	0.47	0.47	0.49	0.49	0.43
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

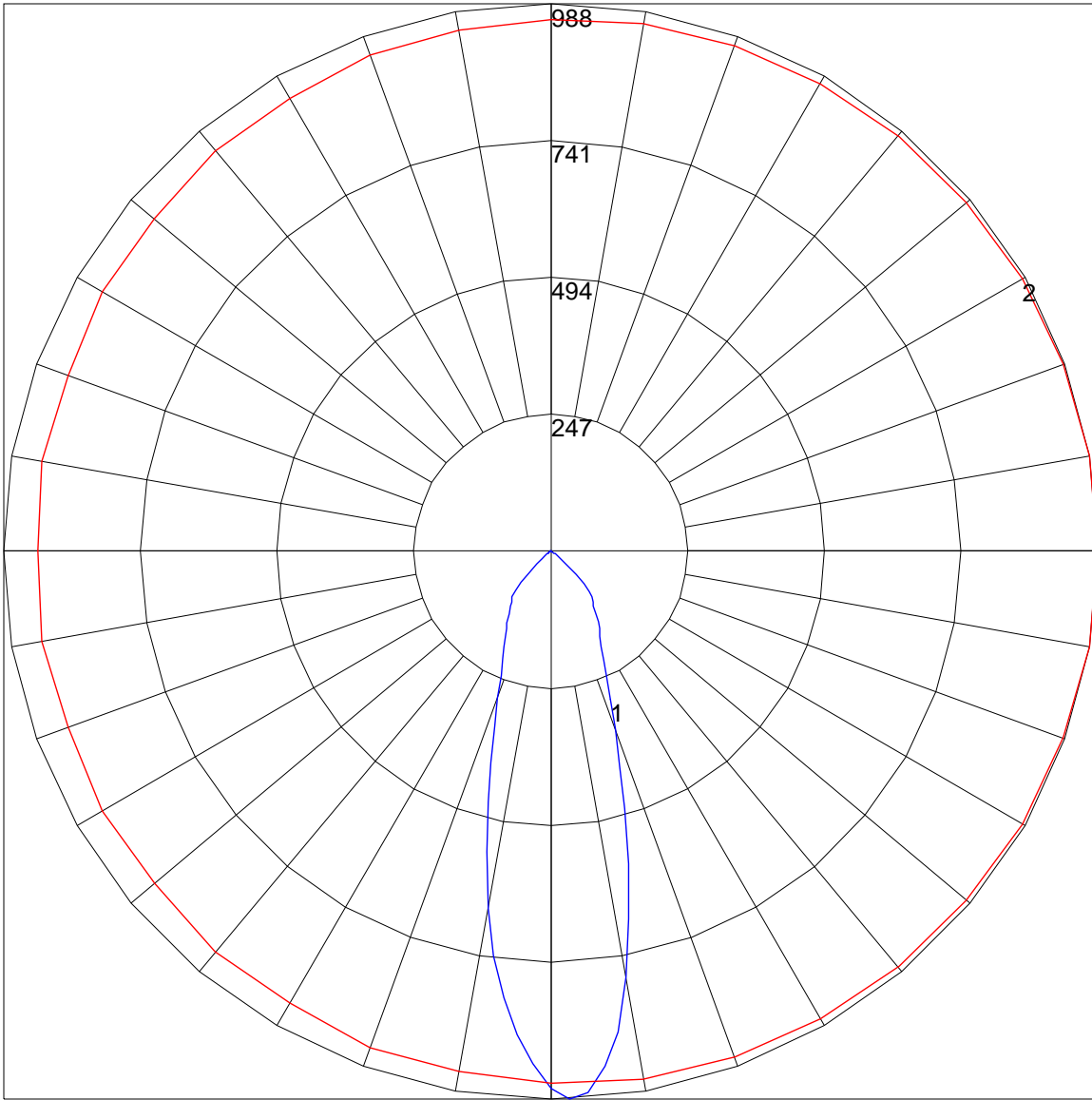
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

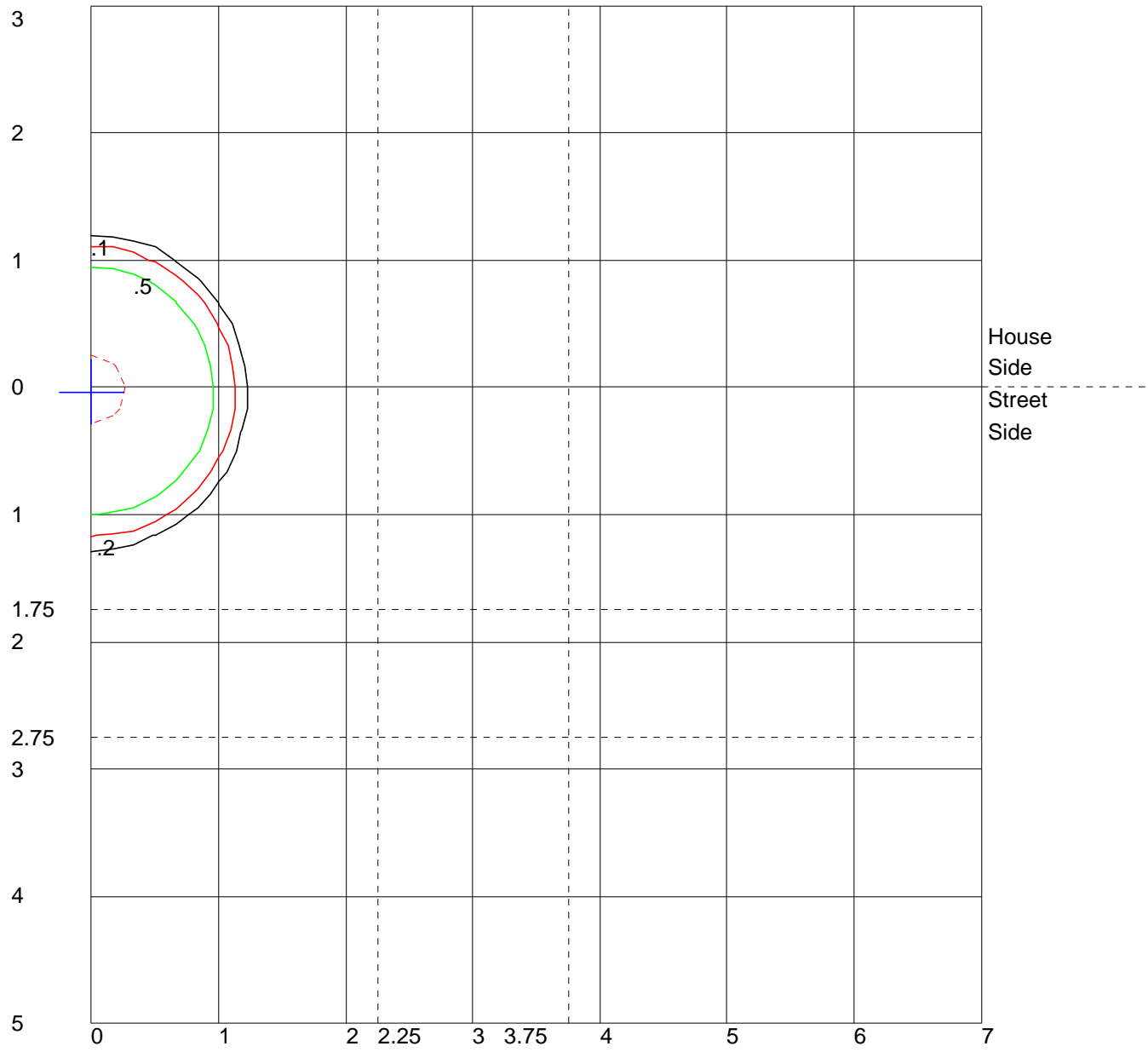
	Lumens	Percent Of Luminaire
Downward Street Side	246.3	52.5
Downward House Side	223.1	47.5
Downward Total	469.5	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
<b>Total Flux</b>	<b>469.5</b>	<b>100.0</b>

POLAR GRAPH



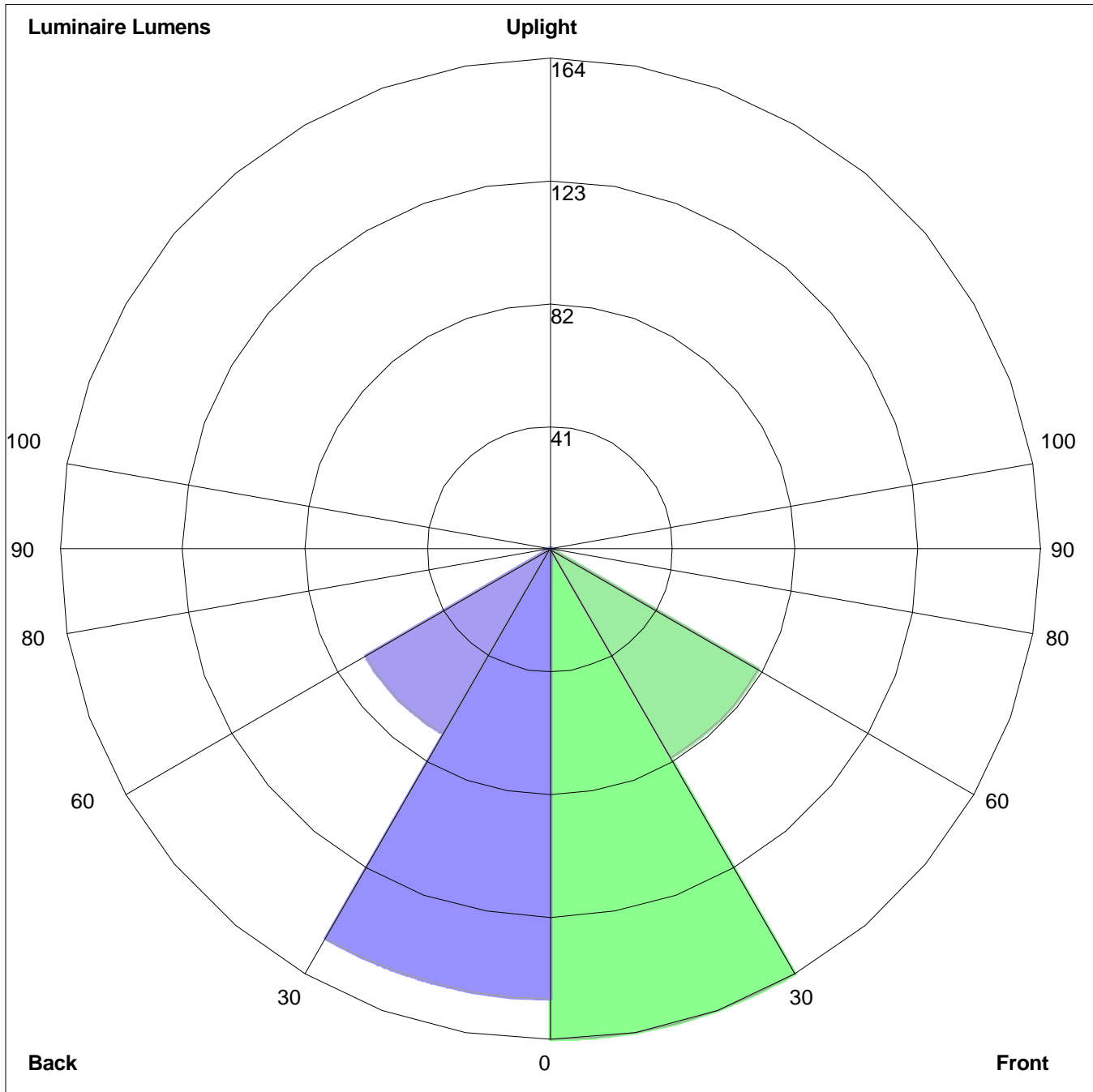
Maximum Candela = 988.11 Located At Horizontal Angle = 0, Vertical Angle = 2  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height  
 Values Based On 8 Foot Mounting Height  
 1/2 Maximum Candela Trace Shown As Dashed Curve  
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=163.9, Medium=80.5, High=1.6, Very High=0.3  
Back: Low=150.1, Medium=71.2, High=1.5, Very High=0.3  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G0