



IES ROAD REPORT

PHOTOMETRIC FILENAME : CLEARLIGHT40W-NARROW-83125148.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] MG3020-04
[TESTLAB] Orb Optronix, Inc.
[ISSUE DATE] 2009
[MANUFAC] Evluma
[LAMP CAT] Luminaire / Replacement Bulb
[LAMP] 40W Clearlight LED
[BALLAST] 110 AC Power Supply
[BALLAST CAT] 110 AC
[DISTRIBUTION] NEMA Type 5, IESNA Type V
[LAMP POSITION] Horizontal mount
[MORE] www.evluma.com
[MORE] www.OrbOptronix.com
[MORE] CRI 80 * calculated from data. Not part of LM-63-02

CHARACTERISTICS

IES Classification	Type II
Longitudinal Classification	Very Short
Cutoff Classification (deprecated)	Cutoff
Total Rated Lamp Lumens	2349
Maximum Candela	977.8
Maximum Candela Angle	270H 2V
Maximum Candela At 90 Degrees Vertical	7.2 (0.3% Lamp Lms)
Maximum Candela from 80 to <90 Degrees Vertical	72.6 (3.1% Lamp Lms)
Downward Total Efficiency	100.0%
Total Luminaire Watts	37
Ballast Factor	1.00



IES ROAD REPORT**PHOTOMETRIC FILENAME : CLEARLIGHT40W-NARROW-83125148.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

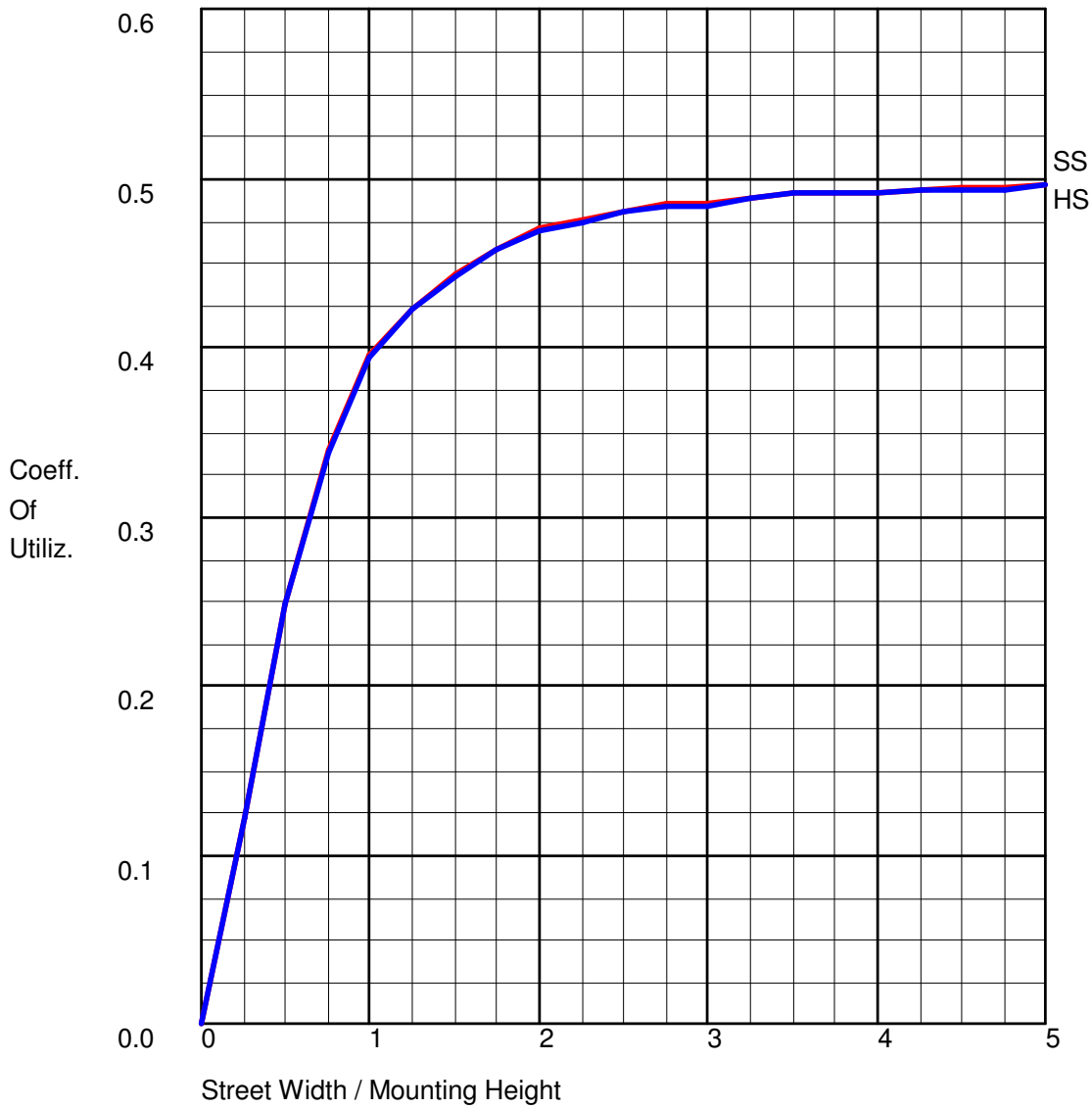
	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	369.2	15.7	15.7
FM - Front-Medium (30-60)	605.5	25.8	25.8
FH - Front-High (60-80)	183.0	7.8	7.8
FVH - Front-Very High (80-90)	16.6	0.7	0.7
BL - Back-Low (0-30)	368.5	15.7	15.7
BM - Back-Medium (30-60)	604.2	25.7	25.7
BH - Back-High (60-80)	184.7	7.9	7.9
BVH - Back-Very High (80-90)	17.8	0.8	0.8
UL - Uplight-Low (90-100)	0.0	0.0	0.0
UH - Uplight-High (100-180)	0.0	0.0	0.0
Total	2349.5	100.1	100.0

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CANDELA TABULATION

Vert. Angles	Horizontal Angles								
	<u>0</u>	<u>45</u>	<u>90</u>	<u>135</u>	<u>180</u>	<u>225</u>	<u>270</u>	<u>315</u>	<u>360</u>
0	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8
2	976.1	976.8	975.7	974.1	974.1	977.2	977.8	976.0	976.1
4	973.6	974.2	972.5	971.1	971.7	975.3	976.5	975.0	973.6
6	968.5	970.4	968.1	967.3	968.2	971.2	973.0	971.7	968.5
8	962.0	965.1	961.8	962.0	962.8	965.3	967.0	966.1	962.0
10	953.4	957.0	954.0	953.1	954.1	956.4	958.8	958.6	953.4
12	943.1	946.3	943.9	943.0	944.0	946.1	949.0	948.8	943.1
14	930.6	934.4	931.0	931.0	931.8	933.5	937.0	936.1	930.6
16	916.1	920.6	916.8	916.5	918.2	920.2	923.5	922.7	916.1
18	899.7	904.9	900.2	900.0	901.9	904.5	908.2	907.7	899.7
20	881.6	888.0	883.1	882.2	884.0	886.2	890.8	891.1	881.6
22	861.8	870.2	863.5	863.5	865.1	867.4	871.6	872.7	861.8
24	840.6	850.1	842.7	842.9	845.6	846.9	851.4	852.9	840.6
26	818.5	828.3	820.5	820.6	823.8	824.8	829.1	831.5	818.5
28	794.4	804.3	796.6	796.9	800.0	801.3	805.8	807.3	794.4
30	769.5	778.8	771.3	771.0	774.5	776.7	780.4	781.8	769.5
32	743.3	751.5	744.6	744.0	747.9	750.7	753.5	754.2	743.3
34	715.5	723.2	716.8	715.5	720.0	722.2	725.9	725.9	715.5
36	685.8	693.5	688.2	685.2	691.0	692.1	697.5	695.9	685.8
38	654.9	663.0	658.8	653.6	661.0	661.4	667.2	664.8	654.9
40	623.0	631.7	627.6	621.8	630.1	629.4	636.3	632.4	623.0
42	590.5	599.3	595.3	589.4	598.1	597.4	604.3	599.9	590.5
44	557.5	566.6	562.6	556.3	565.8	564.8	570.9	566.8	557.5
46	524.5	533.8	530.1	523.4	532.5	532.1	538.1	533.6	524.5
48	491.9	501.2	497.4	490.7	499.3	499.5	505.7	501.5	491.9
50	459.4	468.9	464.8	458.0	466.9	467.6	473.4	469.0	459.4
52	427.8	437.1	432.5	426.1	434.6	435.4	441.1	437.0	427.8
54	396.3	405.6	401.2	395.5	403.5	404.7	409.4	405.4	396.3
56	365.3	374.7	370.6	364.7	373.0	373.8	378.3	374.1	365.3
58	335.1	344.6	340.3	335.1	343.4	343.7	348.3	343.6	335.1
60	305.5	315.0	310.9	306.2	314.5	314.0	318.5	313.4	305.5
62	276.7	286.1	282.8	278.1	285.6	285.5	289.2	284.6	276.7
64	248.9	258.2	255.4	250.7	258.3	257.2	261.7	256.5	248.9
66	221.7	231.2	228.7	224.2	231.3	230.4	234.2	229.2	221.7
68	195.6	205.1	202.8	199.0	205.4	204.0	207.8	202.4	195.6
70	170.6	179.5	178.0	174.5	180.6	178.6	181.9	176.4	170.6
72	146.5	155.4	154.7	151.1	156.7	154.3	157.4	152.0	146.5
74	123.5	132.1	132.0	128.7	133.8	130.8	133.8	128.6	123.5
76	101.4	110.1	110.6	107.1	112.1	108.6	111.2	106.4	101.4
78	81.0	89.3	90.3	87.3	91.5	88.1	89.9	85.5	81.0
80	62.4	70.2	71.4	68.8	72.6	68.8	70.4	66.0	62.4
82	45.4	52.6	54.7	51.9	55.2	51.3	52.6	48.5	45.4
84	29.9	36.8	38.9	36.6	39.3	35.4	36.3	32.9	29.9
86	17.2	22.7	24.8	23.3	24.6	21.8	21.8	19.3	17.2
88	8.7	11.5	13.1	11.9	12.9	11.1	11.1	9.4	8.7
90	5.9	5.6	6.6	5.3	6.1	6.8	7.2	5.8	5.9

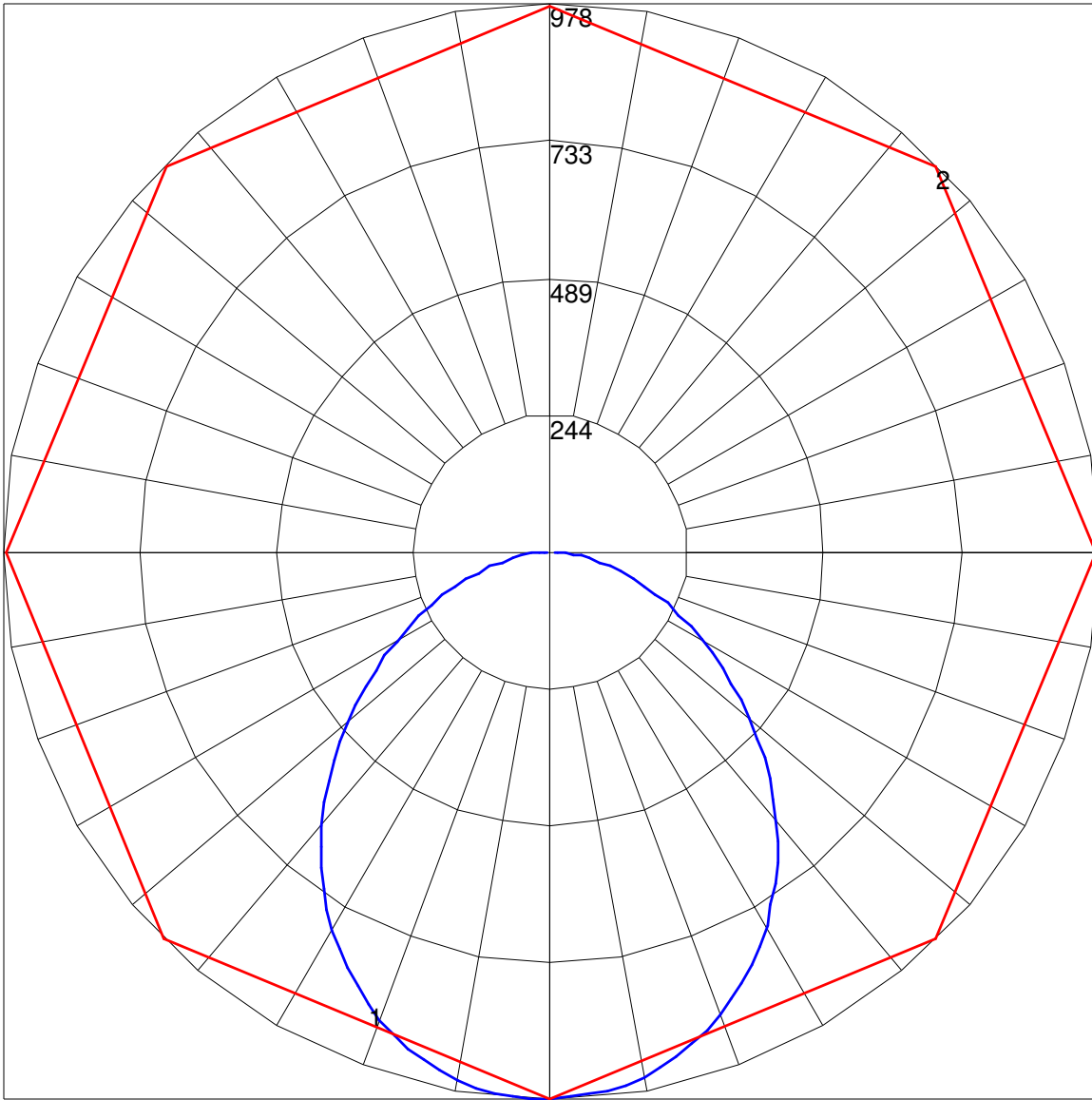
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

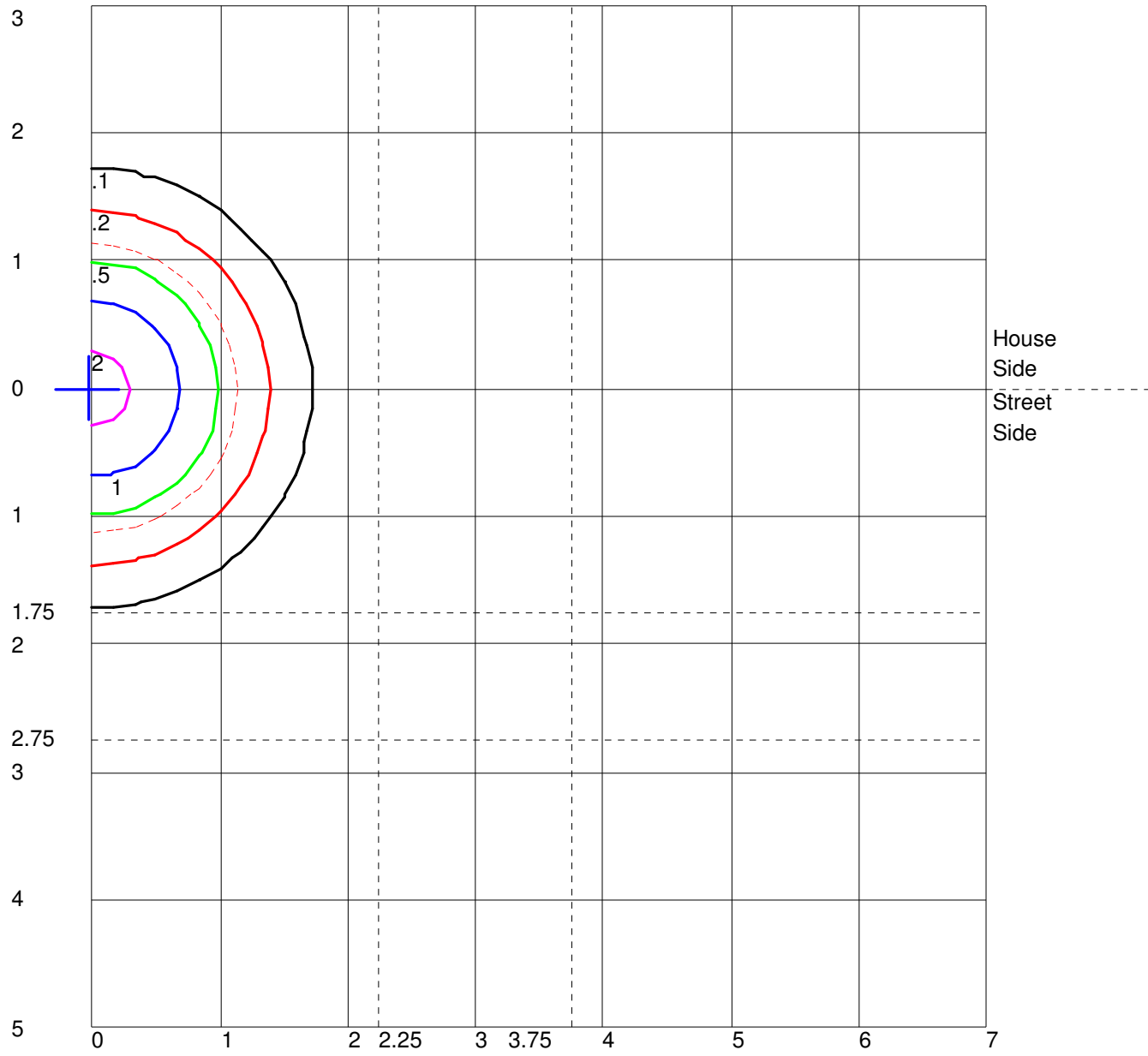
	Lumens	Percent Of Lamp
Downward Street Side	1174.3	50.0
Downward House Side	1175.3	50.0
Downward Total	2349.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	2349.6	100.0

POLAR GRAPH



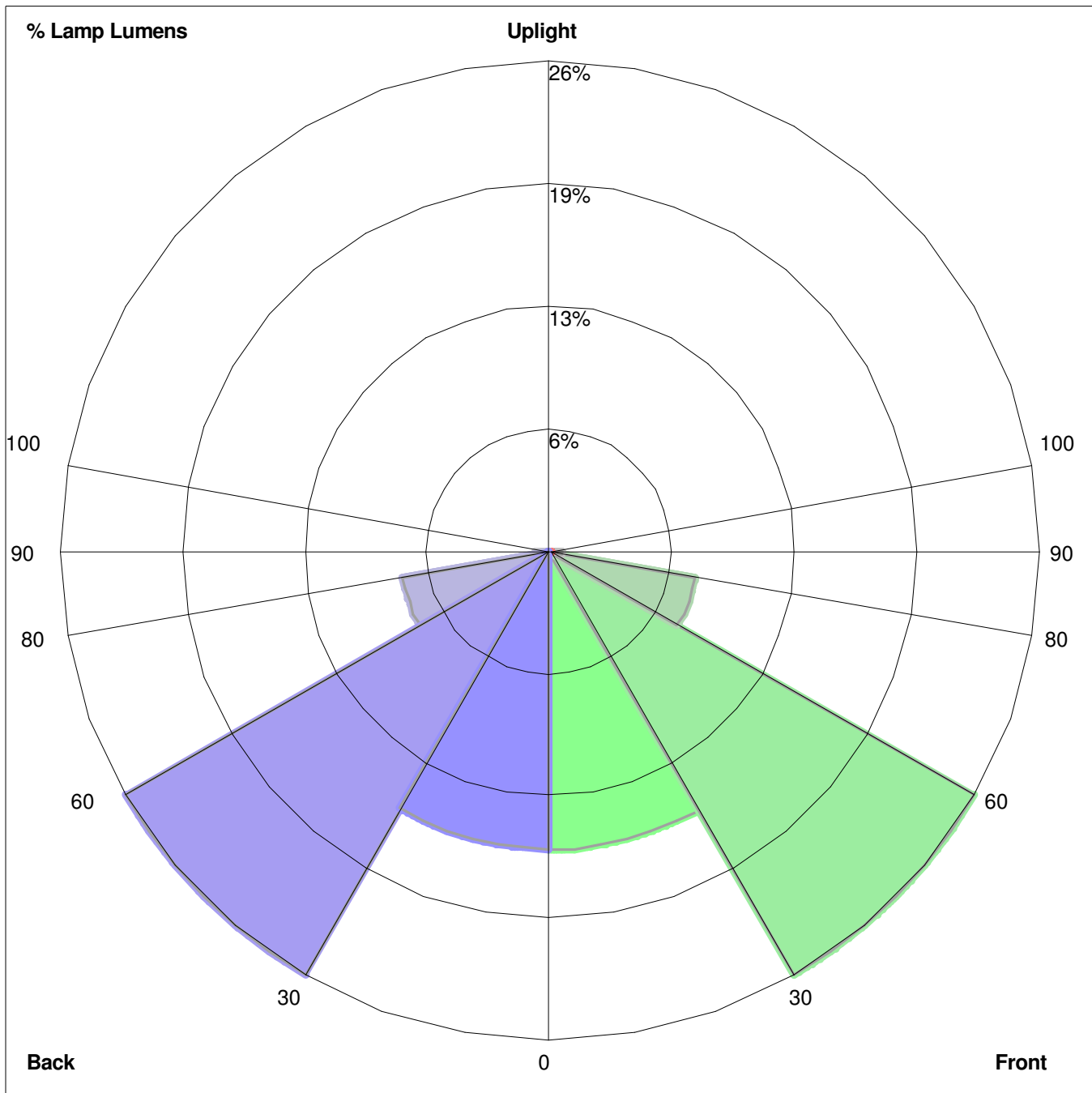
Maximum Candela = 977.8 Located At Horizontal Angle = 270, Vertical Angle = 2
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
 Values Based On 20 Foot Mounting Height
 1/2 Maximum Candela Trace Shown As Dashed Curve
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Percent Lamp Lumens:
 Front: Low=15.7%, Medium=25.8%, High=7.8%, Very High=0.7%
 Back: Low=15.7%, Medium=25.7%, High=7.9%, Very High=0.8%
 Uplight: Low=0.0%, High=0.0%