

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P192884

Luminaire Tested: **GLEON-AF-06-LED-E1-SL3-7030-1200-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192884
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24289)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GLEON-AF-06-LED-E1-SL3-7030-1200-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32269.7 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - U0 - G5

Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

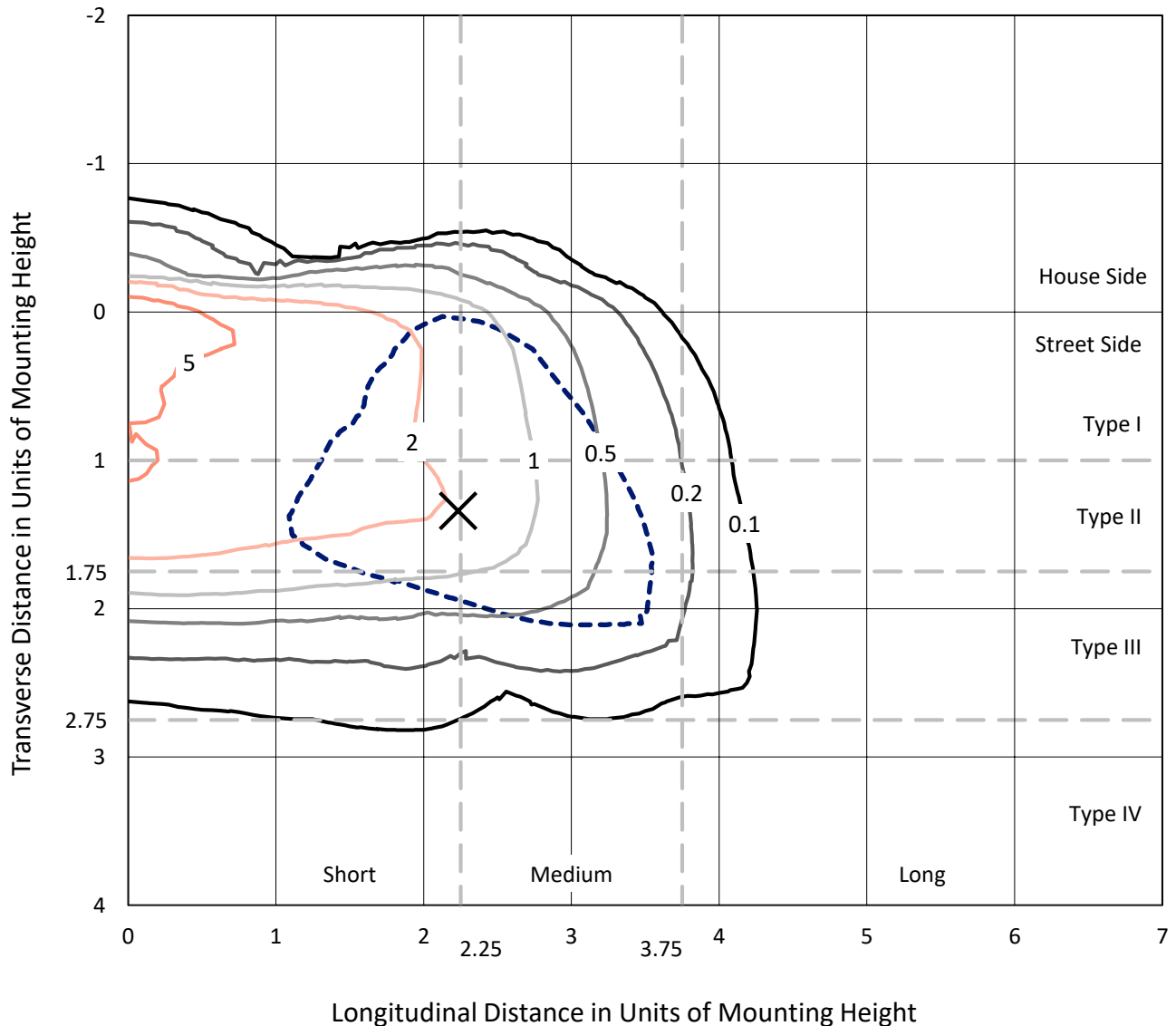


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

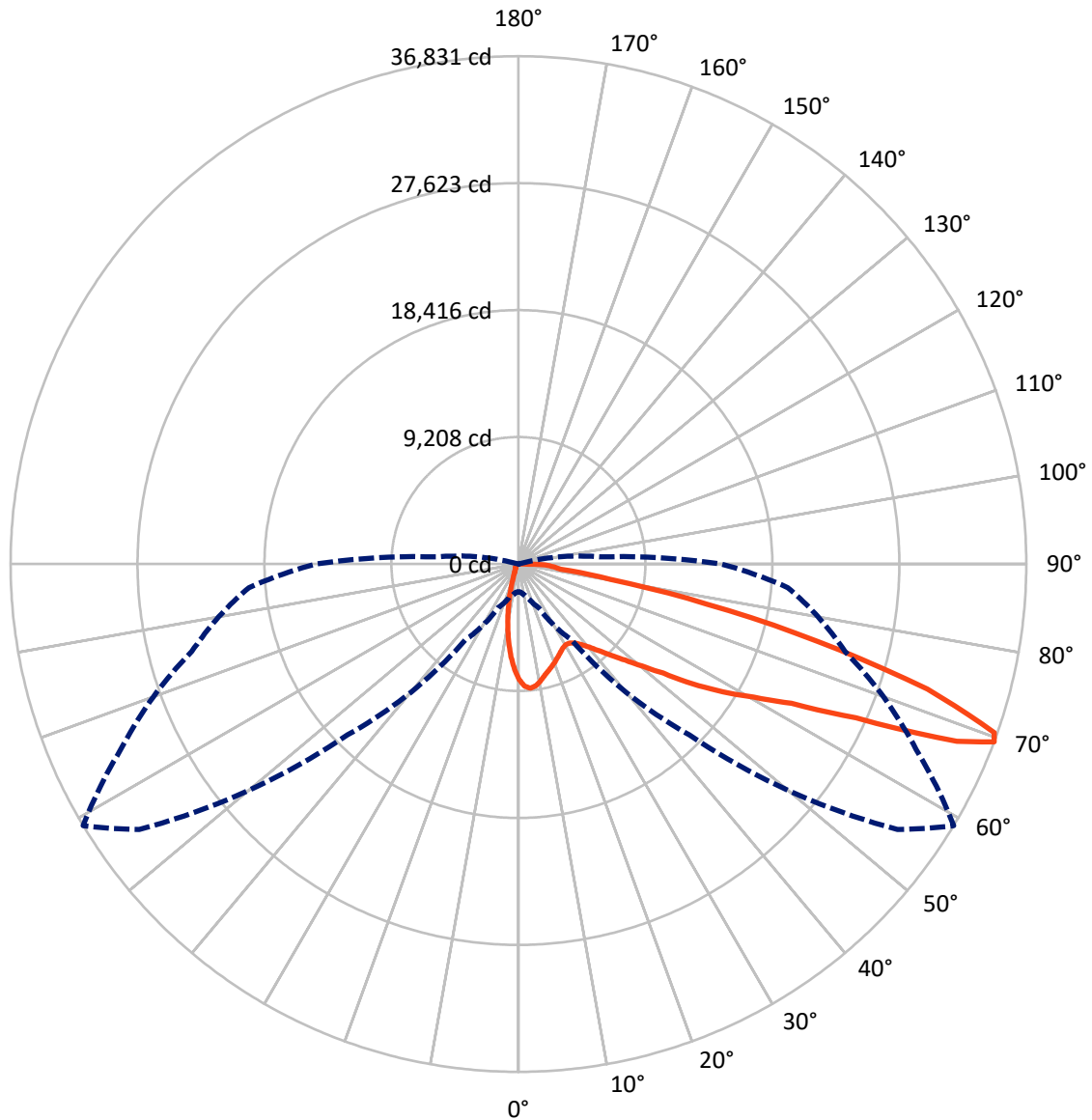


Based on 30 foot mounting height. Maximum calculated value = 9.4 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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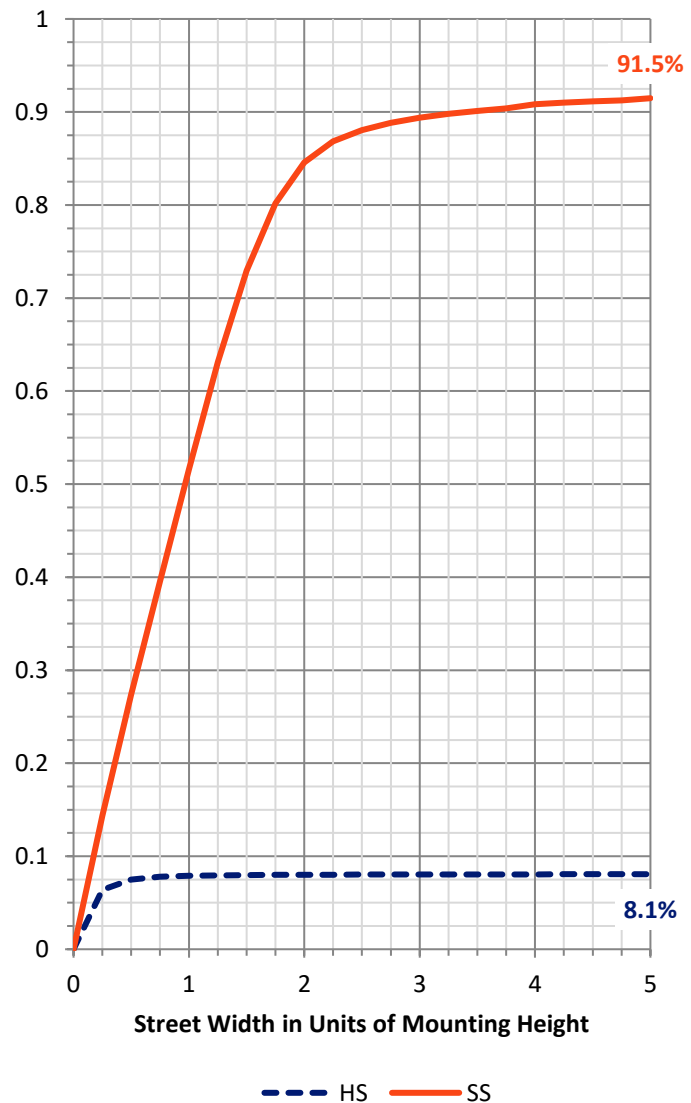
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2627.9	0.0	2627.9
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	29641.8	0.0	29641.8
	% Fixture	91.9	0.0	91.9
Total	Lumens	32269.7	0.0	32269.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	681.8	2.1
10°-20°	1408.7	4.4
20°-30°	1895.6	5.9
30°-40°	2752.4	8.5
40°-50°	4582.9	14.2
50°-60°	7149.2	22.2
60°-70°	8846.6	27.4
70°-80°	4483.4	13.9
80°-90°	469.1	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	32269.7	100.0
0°-180°	32269.7	100.0

Coefficient of Utilization



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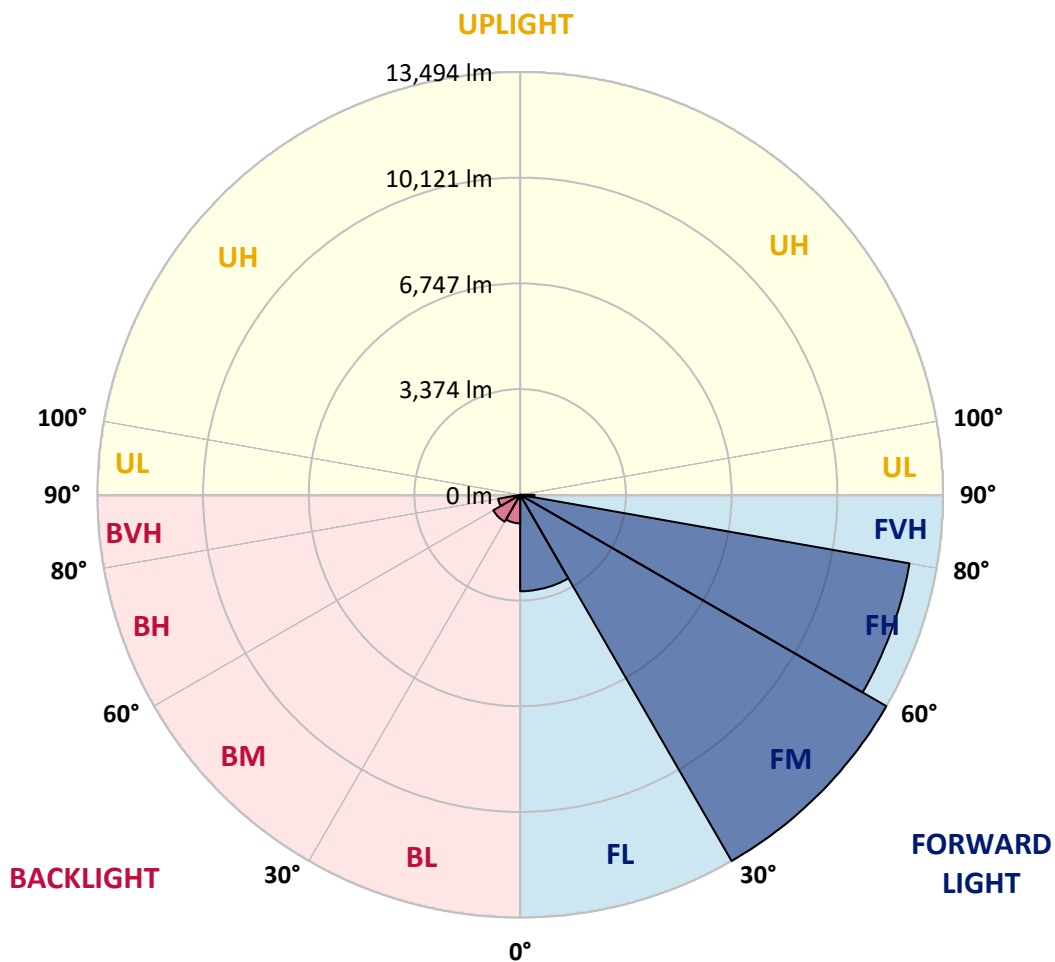
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3076.6	9.5			
FM (30°-60°)	13494.2	41.8			
FH (60°-80°)	12616.3	39.1			G5
FVH (80°-90°)	454.7	1.4			G3/500
BL (0°-30°)	909.6	2.8	B2/1000		
BM (30°-60°)	990.2	3.1	B1/1000		
BH (60°-80°)	713.7	2.2	B2/1000		G2/1000
BVH (80°-90°)	14.4	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	8399.5	8399.5	8399.5	8399.5	8399.5	8399.5	8399.5	8399.5	8399.5	8399.5	8399.5
2.5°	9205.8	9202.3	9162.2	9143.9	9111.0	9041.6	8934.0	8877.5	8786.2	8627.4	8413.9
5°	9121.9	9165.8	9189.5	9191.3	9215.0	9189.5	9092.8	9045.3	8919.4	8663.9	8280.8
7.5°	8552.6	8569.1	8636.6	8695.0	8808.2	8915.8	8950.4	8930.5	8855.6	8581.9	8072.7
10°	7943.1	7959.6	8039.9	8116.6	8269.9	8435.9	8611.0	8647.6	8678.6	8465.1	7872.0
12.5°	7417.6	7434.1	7516.2	7616.6	7795.3	7999.8	8271.6	8331.9	8468.6	8353.8	7711.4
15°	6965.1	6972.4	7052.6	7176.8	7390.3	7653.1	7961.4	8058.1	8267.9	8275.3	7570.9
17.5°	6580.0	6598.2	6647.6	6766.2	6999.8	7324.6	7684.1	7822.8	8069.2	8209.6	7434.1
20°	6344.6	6362.9	6361.1	6426.8	6636.6	6983.3	7406.6	7572.8	7872.0	8142.1	7311.8
22.5°	6299.1	6299.1	6251.6	6242.5	6366.5	6656.7	7118.4	7320.9	7695.0	8112.8	7226.1
25°	6461.5	6454.2	6335.5	6238.8	6244.2	6417.7	6839.2	7080.1	7545.3	8132.9	7180.4
27.5°	6804.5	6795.4	6645.8	6461.5	6313.6	6311.8	6627.5	6886.6	7426.8	8227.9	7198.6
30°	7279.0	7275.3	7112.9	6881.1	6612.9	6366.5	6554.6	6789.9	7350.1	8399.5	7240.6
32.5°	7797.2	7791.8	7669.5	7424.9	7085.6	6612.9	6631.2	6828.2	7372.0	8627.4	7342.9
35°	8346.5	8337.3	8284.4	8070.9	7696.9	7067.3	6883.0	7036.3	7510.7	8968.6	7543.6
37.5°	8941.3	8950.4	8988.8	8784.3	8392.1	7704.1	7304.5	7408.6	7789.8	9432.2	7870.2
40°	9819.0	9817.2	9829.9	9561.8	9184.0	8483.3	7893.9	7926.8	8257.0	10047.2	8366.5
42.5°	11412.0	11300.6	10963.2	10415.6	10036.1	9373.8	8636.6	8601.9	8828.1	10808.0	9061.8
45°	13552.5	13315.2	12439.3	11390.2	10904.7	10377.5	9550.8	9439.5	9583.6	11722.2	9919.4
47.5°	15393.6	15147.2	13908.2	12404.7	11826.2	11329.9	10621.9	10421.1	10468.6	12745.9	11007.0
50°	16019.6	15899.1	14817.0	13287.9	12718.6	12528.8	11864.6	11620.0	11552.5	13930.2	12267.8
52.5°	15802.3	15793.3	15072.6	13860.8	13536.0	13769.6	13428.4	13145.5	12897.4	15178.3	13550.7
55°	15453.8	15499.5	15176.5	14362.6	14351.7	14902.9	15567.0	15331.6	14612.7	16534.1	14656.5
57.5°	14492.2	14687.5	15118.1	15311.6	15760.4	16324.3	17347.9	17486.6	16636.4	17572.3	15574.4
60°	11758.7	12187.6	13596.2	15448.3	17576.1	18981.2	19497.6	19616.2	18296.9	18435.6	16813.4
62.5°	8346.5	8784.3	10570.9	13704.0	17603.5	22471.9	22700.0	22234.7	20125.2	19714.7	18950.2
65°	4430.5	4768.1	6227.9	9892.0	15262.3	23282.0	28300.3	26913.4	23351.4	22231.0	21711.0
67.5°	2266.4	2368.5	2948.8	4841.1	10492.3	20679.9	33320.1	34296.4	28911.4	24727.3	21577.7
69°	2005.5	2065.6	2450.6	3499.9	6718.8	17515.9	33564.6	36831.0	31822.0	24519.3	19608.9
70°	1941.5	1994.4	2344.8	3167.8	5251.6	14689.3	32628.5	36608.3	32566.5	23727.3	18138.1
72.5°	1647.7	1693.4	2087.5	2799.2	4268.1	7291.8	26504.6	31020.9	29223.5	19765.8	13129.1
75°	1102.2	1251.8	2003.6	2624.0	3970.7	4142.2	17473.9	22417.2	20824.2	13331.7	6839.2
77.5°	264.6	284.6	565.6	2087.5	3631.2	3645.9	8986.9	13935.7	11366.5	4751.6	1616.7
80°	142.4	136.9	158.8	414.2	3381.2	3421.5	4045.6	6764.4	4058.2	788.3	532.8
82.5°	100.4	94.8	102.1	173.4	1063.8	3116.7	2926.9	3062.0	1682.4	302.8	239.1
85°	36.5	34.6	56.6	156.9	333.9	1792.0	3007.3	2525.4	1363.1	138.6	175.2
87.5°	12.8	10.9	21.9	85.8	102.1	762.7	1855.8	1908.6	536.5	83.9	82.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8399.5	8399.5	8399.5	8399.5	8399.5	8399.5	8399.5	8399.5	8399.5	8399.5	8399.5
2.5°	8324.6	8211.4	8003.4	7789.8	7592.9	7355.6	7237.0	7120.2	7070.9	7052.6	6966.9
5°	8083.6	7892.2	7450.5	7007.2	6598.2	6164.1	5877.5	5647.6	5512.5	5446.9	5342.9
7.5°	7775.3	7461.5	6791.8	6107.5	5470.6	4842.9	4377.6	4019.9	3773.6	3654.9	3547.3
10°	7476.1	7058.1	6105.6	5173.2	4308.2	3476.2	2833.8	2368.5	2071.1	1934.2	1846.7
12.5°	7207.9	6665.8	5443.3	4262.6	3176.9	2202.4	1549.2	1178.8	994.5	930.7	899.6
15°	6968.8	6304.6	4817.3	3397.8	2151.5	1259.1	846.6	720.8	691.6	691.6	687.9
17.5°	6742.5	5950.6	4213.4	2585.7	1350.3	770.1	644.2	627.7	627.7	635.1	635.1
20°	6525.3	5612.9	3629.5	1855.8	850.4	611.3	582.2	578.4	582.2	591.2	591.2
22.5°	6339.2	5306.4	3083.9	1273.6	631.4	551.1	536.5	531.0	532.8	538.3	541.9
25°	6200.6	5047.2	2569.2	863.1	543.8	501.8	485.4	476.3	468.9	468.9	472.6
27.5°	6112.9	4828.2	2071.1	627.7	489.1	456.1	430.6	416.1	399.7	390.5	394.1
30°	6049.0	4620.2	1603.9	512.8	437.9	405.2	372.2	348.5	324.8	313.9	317.5
32.5°	6025.3	4452.5	1198.9	452.6	392.3	355.8	315.6	284.6	259.2	249.9	251.9
35°	6089.2	4319.2	877.7	408.7	355.8	310.2	264.6	229.9	209.9	204.5	206.2
37.5°	6257.1	4248.0	656.8	372.2	323.0	271.8	220.8	187.9	175.2	175.2	177.0
40°	6574.5	4246.3	527.4	346.7	293.8	235.4	182.5	158.8	151.5	155.1	156.9
42.5°	7038.1	4342.9	459.9	323.0	268.2	200.7	151.5	135.1	133.2	136.9	138.6
45°	7671.3	4519.9	423.4	302.8	240.9	167.9	127.8	116.8	116.8	122.3	124.1
47.5°	8446.9	4779.0	392.3	282.9	213.5	140.5	109.5	102.1	104.1	109.5	111.3
50°	9381.1	5105.6	361.3	260.9	193.4	116.8	94.8	89.4	91.2	98.6	100.4
52.5°	10444.9	5545.5	335.8	240.9	167.9	96.7	80.3	76.6	80.3	87.6	89.4
55°	11357.3	5939.6	304.8	224.4	135.1	80.3	65.7	65.7	69.4	78.4	80.3
57.5°	12235.0	6352.0	277.4	193.4	105.9	63.9	54.7	56.6	62.1	71.1	72.9
60°	13523.2	7050.8	244.5	162.4	80.3	51.2	45.7	47.4	54.7	63.9	65.7
62.5°	15711.2	8114.6	211.6	135.1	62.1	40.1	36.5	40.1	49.2	60.2	62.1
65°	17685.6	8547.2	173.4	113.1	47.4	31.0	31.0	36.5	47.4	58.4	60.2
67.5°	16585.2	7195.0	135.1	89.4	36.5	23.7	25.5	34.6	45.7	58.4	60.2
69°	14667.4	5883.1	114.9	71.1	31.0	21.9	23.7	34.6	45.7	56.6	58.4
70°	13173.0	4967.0	102.1	60.2	27.5	21.9	23.7	32.9	45.7	56.6	58.4
72.5°	8822.6	2682.5	82.2	43.8	25.5	20.1	20.1	32.9	43.8	54.7	56.6
75°	3791.9	740.9	65.7	31.0	21.9	18.2	18.2	31.0	41.9	52.9	56.6
77.5°	693.4	187.9	52.9	27.5	21.9	18.2	16.4	29.2	40.1	51.2	52.9
80°	275.6	93.1	41.9	23.7	20.1	16.4	14.6	27.5	38.4	49.2	51.2
82.5°	166.1	52.9	34.6	21.9	20.1	14.6	12.8	23.7	36.5	47.4	49.2
85°	135.1	36.5	27.5	21.9	18.2	14.6	10.9	21.9	32.9	45.7	47.4
87.5°	65.7	25.5	25.5	20.1	18.2	14.6	10.9	20.1	31.0	43.8	45.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)