

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: P192904

Luminaire Tested: **GLEON-AF-06-LED-E1-SL3-7030-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192904
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24288)
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-SL3-7030-800
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27821.8 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B3 - U0 - G4

Input Watts (W): 249
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



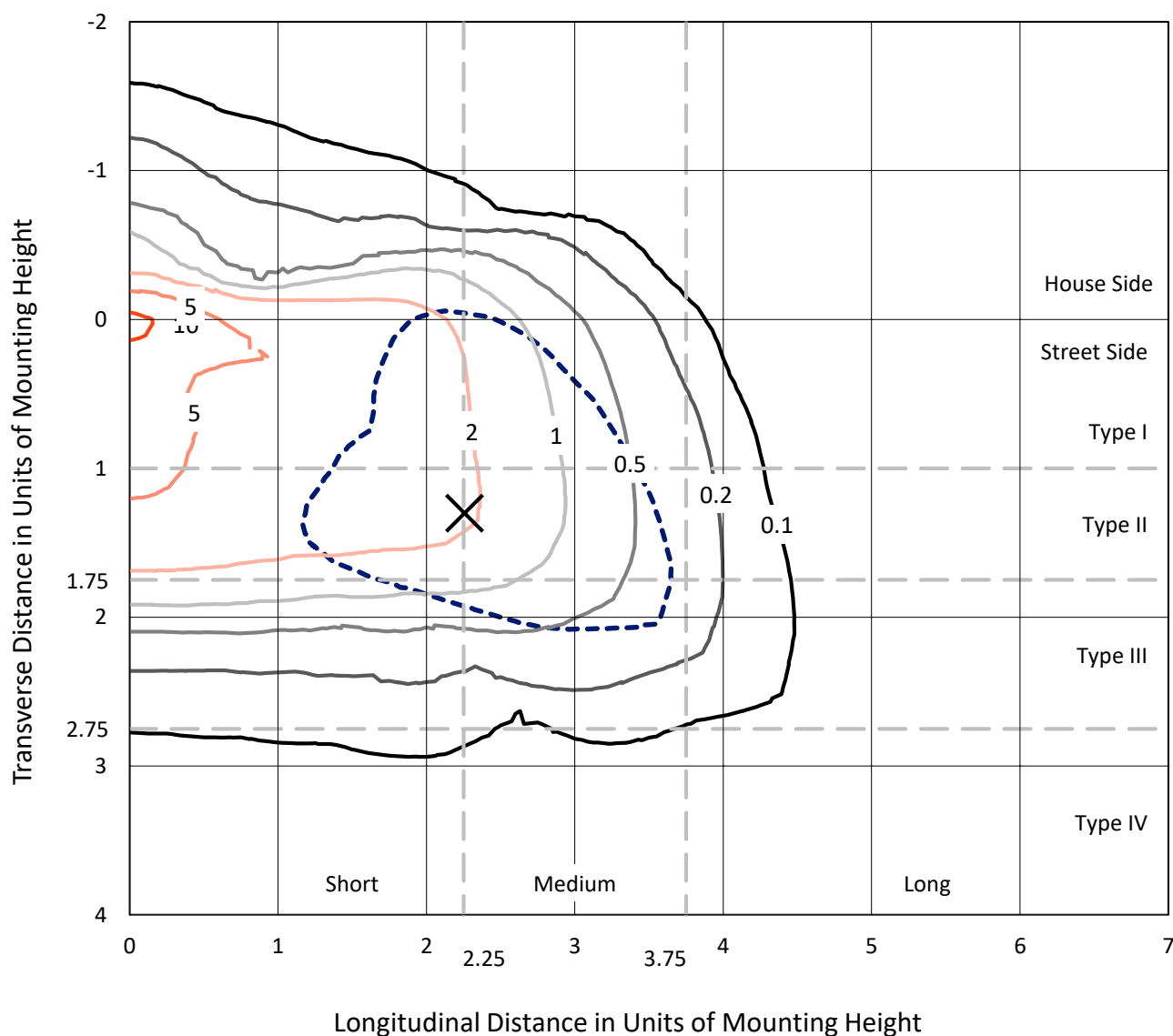
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

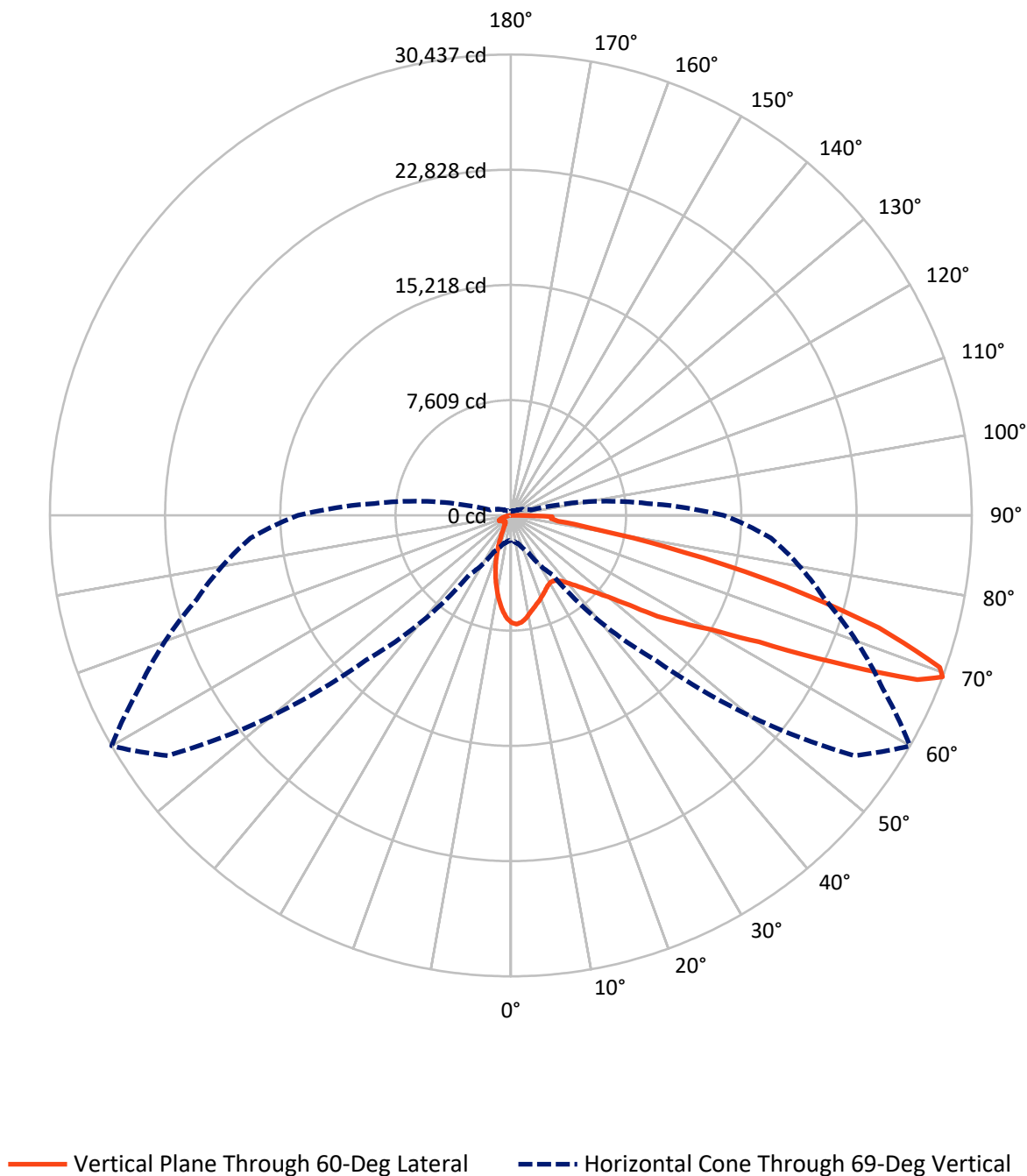


Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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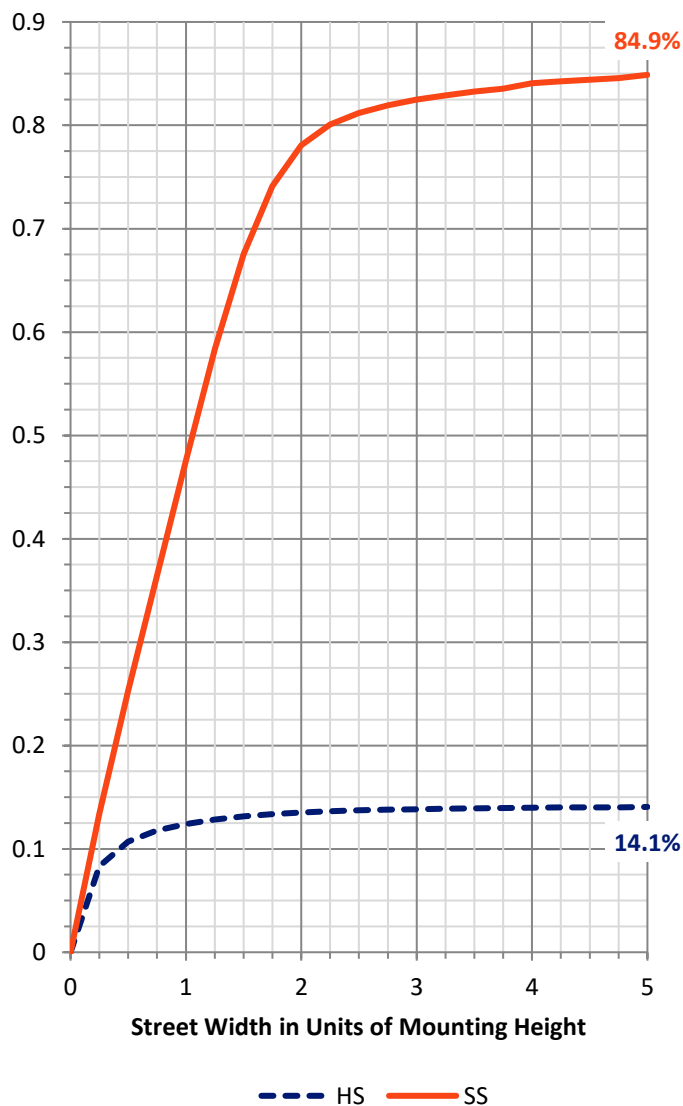
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3958.2	0.0	3958.2
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	23863.6	0.0	23863.6
	% Fixture	85.8	0.0	85.8
Total	Lumens	27821.8	0.0	27821.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	599.4	2.2
10°-20°	1277.1	4.6
20°-30°	1627.3	5.8
30°-40°	2237.1	8.0
40°-50°	3630.0	13.0
50°-60°	5821.5	20.9
60°-70°	7748.0	27.8
70°-80°	4183.3	15.0
80°-90°	698.0	2.5
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°	27821.8	100.0
0°-180°	27821.8	100.0

Coefficient of Utilization



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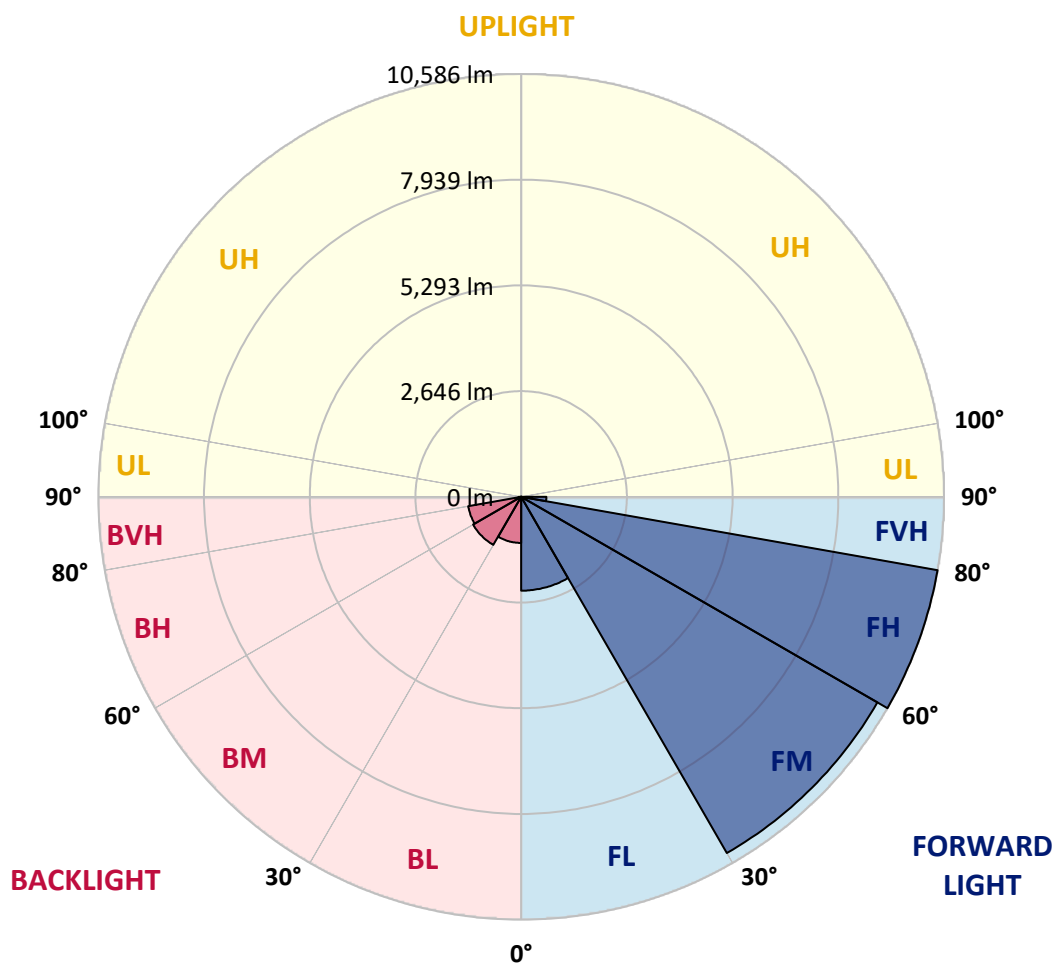
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2349.2	8.4			
FM	(30°-60°)	10298.0	37.0			
FH	(60°-80°)	10585.6	38.0			G4/12000
FVH	(80°-90°)	630.8	2.3			G4/750
BL	(0°-30°)	1154.7	4.2	B3/2500		
BM	(30°-60°)	1390.6	5.0	B2/2500		
BH	(60°-80°)	1345.7	4.8	B3/2500		G3/2500
BVH	(80°-90°)	67.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	7089.4	7089.4	7089.4	7089.4	7089.4	7089.4	7089.4	7089.4	7089.4	7089.4	7089.4
2.5°	7234.6	7250.7	7244.0	7239.9	7252.1	7233.2	7194.2	7182.1	7163.4	7119.0	7043.7
5°	6963.1	7011.5	7008.8	7045.0	7105.5	7121.6	7104.1	7106.9	7072.0	7016.8	6891.8
7.5°	6494.1	6514.1	6525.0	6604.2	6714.4	6803.1	6878.4	6902.6	6886.5	6839.4	6678.2
10°	6010.3	6026.3	6051.9	6144.6	6284.4	6406.6	6549.1	6631.2	6666.0	6658.0	6477.9
12.5°	5594.9	5611.0	5644.7	5749.4	5916.2	6066.6	6273.6	6375.8	6459.1	6508.8	6315.3
15°	5222.6	5257.5	5289.9	5410.8	5597.6	5795.2	6029.0	6158.1	6287.1	6398.7	6171.5
17.5°	4932.4	4967.3	4986.1	5096.3	5295.2	5537.2	5811.3	5963.2	6124.4	6307.2	6029.0
20°	4764.4	4780.5	4772.5	4834.2	5013.1	5269.7	5594.9	5771.0	5965.9	6221.2	5886.6
22.5°	4717.3	4718.7	4689.1	4682.5	4797.9	5014.4	5363.7	5577.4	5816.6	6164.7	5764.3
25°	4831.6	4827.5	4746.9	4681.0	4693.1	4819.4	5140.6	5389.3	5691.7	6152.7	5670.2
27.5°	5085.6	5097.7	4978.1	4854.4	4732.1	4728.0	4971.3	5233.4	5589.6	6207.8	5629.9
30°	5441.6	5461.9	5334.1	5176.9	4947.2	4757.5	4905.5	5140.6	5526.4	6322.0	5623.1
32.5°	5831.5	5853.0	5756.3	5590.9	5289.9	4940.3	4951.2	5148.8	5523.7	6482.0	5668.8
35°	6246.8	6270.9	6221.2	6081.5	5746.8	5277.8	5125.9	5279.1	5611.0	6726.5	5791.2
37.5°	6710.3	6748.1	6761.5	6628.4	6270.9	5722.6	5412.1	5526.4	5808.7	7066.6	6015.6
40°	7378.4	7430.8	7426.8	7235.9	6871.7	6323.4	5854.3	5883.8	6116.4	7520.9	6374.4
42.5°	8657.8	8668.5	8334.0	7918.7	7532.9	6955.0	6375.8	6351.6	6541.1	8096.0	6902.6
45°	10285.3	10241.0	9496.5	8694.1	8223.7	7680.7	7054.5	6936.3	7080.0	8797.5	7563.8
47.5°	11636.0	11534.0	10593.1	9485.7	8954.8	8469.7	7851.5	7644.5	7723.7	9593.2	8418.7
50°	12105.1	12028.5	11249.0	10144.2	9646.9	9432.0	8832.5	8539.6	8561.0	10542.1	9419.9
52.5°	12004.4	11993.5	11473.5	10578.4	10294.7	10442.6	10222.2	9825.6	9616.0	11595.6	10500.4
55°	11766.4	11789.3	11601.1	11083.7	11035.3	11418.3	12037.8	11745.0	11093.1	12658.8	11617.2
57.5°	10939.9	10999.0	11412.9	11719.3	12227.4	12797.2	13500.1	13416.8	12683.1	13807.8	12945.0
60°	8813.7	8950.8	10060.9	11595.6	13454.4	15236.5	15551.0	15357.5	14322.6	15233.8	14698.9
62.5°	6175.6	6318.0	7637.8	10039.4	13252.8	17991.6	19217.4	18382.8	16677.3	17334.4	16968.9
65°	3306.1	3374.7	4382.7	6965.8	11188.4	18560.2	24575.6	23305.6	20405.4	19924.3	18910.9
67.5°	1823.7	1861.3	2247.1	3517.2	7166.0	16344.0	27989.4	28949.0	25064.9	21648.6	18557.4
69°	1649.0	1684.0	1936.6	2663.7	4795.3	13513.5	27656.1	30436.8	27107.8	21477.8	17251.2
70°	1612.7	1645.0	1872.1	2455.4	3881.3	11138.8	26539.3	30056.4	27594.3	20866.5	16111.5
72.5°	1451.5	1486.5	1706.8	2205.4	3316.9	5553.2	21022.2	25413.0	25052.8	18092.5	12220.6
75°	1353.4	1385.6	1759.3	2159.7	3175.8	3514.5	13859.0	18729.4	18416.3	12656.1	6589.4
77.5°	579.3	576.6	815.8	1827.8	3222.8	3402.9	7446.9	11700.6	10675.0	5409.4	1892.3
80°	387.1	380.3	387.1	537.5	2955.4	3421.8	3901.5	5939.0	4486.1	1379.0	932.7
82.5°	333.3	327.9	340.1	327.9	1038.8	3905.6	3316.9	3158.3	2132.8	783.5	462.2
85°	224.4	215.0	293.1	294.4	490.6	3470.1	3736.2	2667.8	1725.6	465.0	228.5
87.5°	107.5	104.8	170.7	208.3	287.6	1409.8	4191.8	2733.6	1740.4	237.8	108.8
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°	7089.4	7089.4	7089.4	7089.4	7089.4	7089.4	7089.4	7089.4	7089.4	7089.4	7089.4
2.5°	7020.9	6965.8	6912.0	6847.5	6780.3	6705.0	6667.4	6629.8	6620.3	6609.6	6572.0
5°	6827.4	6749.4	6615.0	6467.2	6311.3	6159.4	6043.7	5971.2	5916.2	5887.9	5838.2
7.5°	6577.4	6463.1	6227.9	5972.5	5710.6	5471.2	5264.3	5134.0	5010.3	4952.5	4886.6
10°	6339.4	6168.8	5803.2	5426.9	5050.6	4689.1	4349.1	4108.4	3894.8	3775.2	3690.6
12.5°	6135.2	5901.3	5394.6	4885.3	4369.3	3854.4	3345.1	2944.6	2609.9	2434.0	2343.8
15°	5936.3	5654.0	5006.3	4359.8	3697.3	2997.1	2327.8	1873.5	1596.6	1486.5	1448.8
17.5°	5756.3	5394.6	4616.5	3830.3	3003.7	2157.1	1564.4	1314.4	1208.2	1172.0	1159.8
20°	5561.3	5132.6	4212.0	3276.5	2280.7	1507.9	1221.6	1111.5	1068.4	1057.7	1052.2
22.5°	5373.2	4874.6	3824.9	2683.9	1638.4	1163.8	1049.7	1004.0	997.2	1006.6	1006.6
25°	5213.2	4643.4	3406.9	2064.4	1202.8	979.7	939.4	928.7	954.2	989.2	995.9
27.5°	5093.6	4453.9	2962.1	1524.0	958.2	852.1	850.7	868.2	931.3	998.5	1012.0
30°	5011.6	4273.7	2486.3	1099.3	803.7	749.9	771.5	809.1	901.8	997.2	1022.7
32.5°	4969.9	4140.7	1990.3	850.7	688.2	658.5	694.8	740.6	831.9	920.6	954.2
35°	5002.2	4042.6	1522.7	709.6	607.5	584.6	622.2	666.6	720.3	758.0	783.5
37.5°	5123.1	4003.7	1149.1	635.7	552.5	530.9	560.4	585.9	607.5	618.2	630.3
40°	5384.0	4045.4	920.6	598.0	521.5	494.6	506.6	516.0	529.5	540.3	545.6
42.5°	5768.4	4170.3	825.2	583.2	505.4	466.3	463.7	467.7	485.2	505.4	509.3
45°	6305.9	4390.7	818.5	592.7	497.2	443.5	431.5	436.8	463.7	494.6	500.0
47.5°	6992.6	4726.8	872.2	620.9	504.0	431.5	411.3	418.0	451.6	493.2	500.0
50°	7824.6	5195.8	962.2	662.5	533.5	434.1	404.6	408.5	443.5	489.2	495.9
52.5°	8807.0	5861.0	1060.4	702.9	564.5	451.6	409.9	400.6	432.7	473.1	481.2
55°	9899.7	6714.4	1161.2	739.1	580.6	473.1	420.6	389.7	412.6	446.3	452.9
57.5°	11240.9	7907.8	1335.9	774.1	591.3	487.9	431.5	379.0	387.1	411.3	416.6
60°	13056.6	9595.9	1643.7	831.9	615.5	493.2	430.1	369.7	361.5	375.0	377.6
62.5°	15232.5	11429.1	1900.3	904.4	655.9	497.2	422.0	362.8	340.1	340.1	342.7
65°	16524.1	11919.6	1757.9	965.0	689.4	493.2	412.6	356.1	323.9	309.1	310.4
67.5°	15428.7	10482.9	1506.5	977.1	688.2	474.4	397.8	344.0	307.8	284.9	283.5
69°	14056.5	9044.9	1393.7	944.8	655.9	450.2	379.0	330.6	295.6	271.5	270.1
70°	12950.4	8167.2	1319.8	909.9	620.9	432.7	364.2	318.5	286.3	263.5	260.7
72.5°	9415.9	5351.6	1127.5	782.2	512.1	362.8	314.4	279.6	255.3	241.9	239.3
75°	4705.2	2552.2	915.3	634.4	392.5	290.3	258.1	233.9	221.8	219.1	217.8
77.5°	1545.6	1169.3	654.5	473.1	291.6	227.2	208.3	190.8	188.2	196.2	193.5
80°	849.4	680.0	415.3	313.1	199.0	166.6	164.0	154.6	158.5	172.0	169.4
82.5°	432.7	353.5	256.6	188.2	134.4	119.6	130.3	125.0	130.3	142.5	141.2
85°	213.7	193.5	162.6	114.2	88.7	76.6	92.8	96.8	99.4	108.8	108.8
87.5°	123.7	114.2	86.0	53.7	44.4	40.3	53.7	52.5	61.8	67.2	65.9
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)