

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: P194884

Luminaire Tested: **GLEON-AF-06-LED-E1-T4FT-7060-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P194884
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24295)
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-T4FT-7060-1200
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39289 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B3 - 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



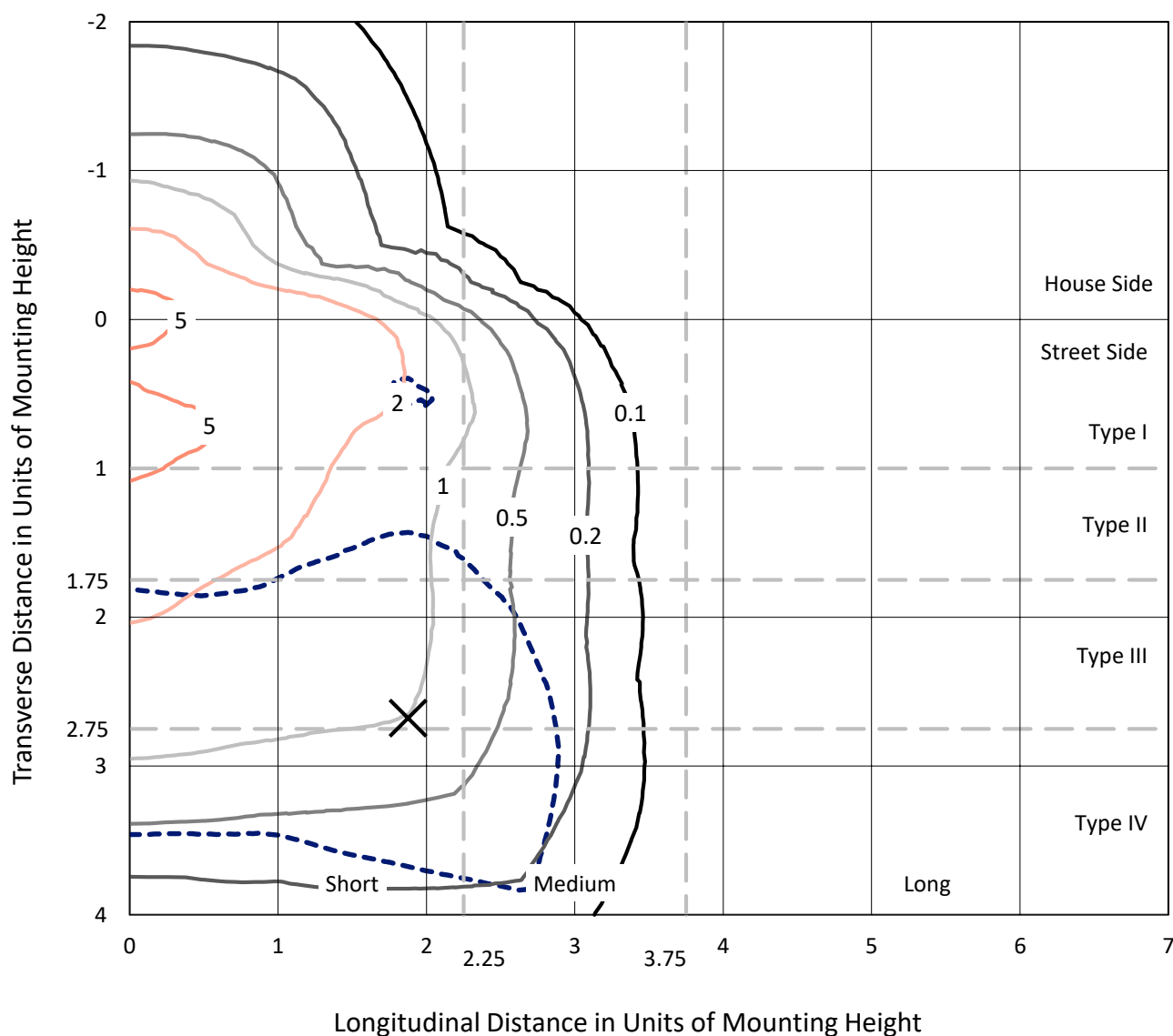
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

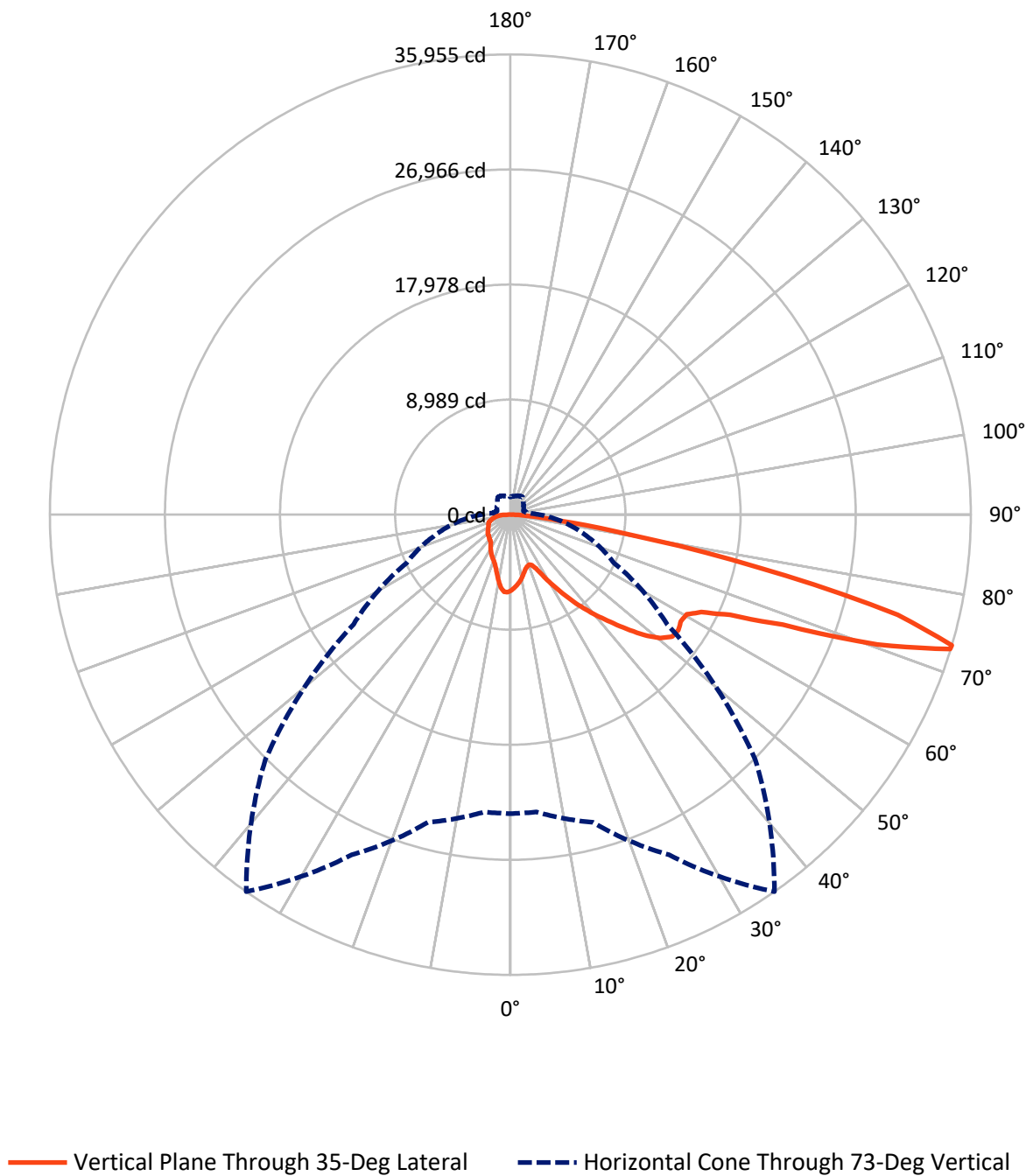


Based on 30 foot mounting height. Maximum calculated value = 6.6 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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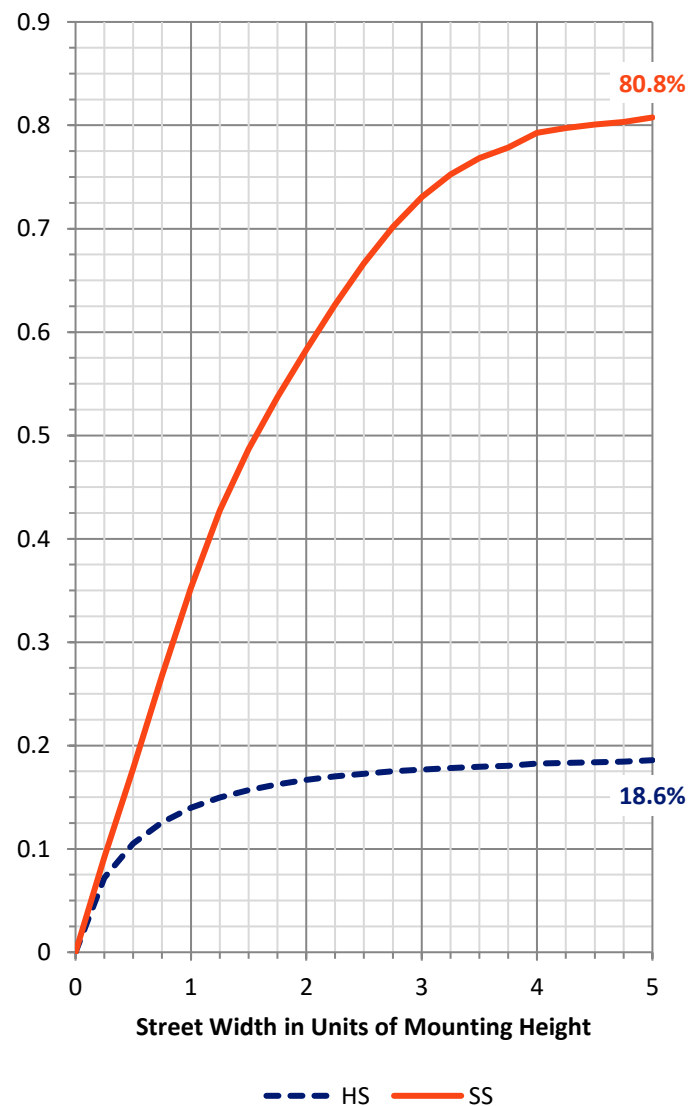
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7493.5	0.0	7493.5
	% Fixture	19.1	0.0	19.1
Street Side	Lumens	31795.5	0.0	31795.5
	% Fixture	80.9	0.0	80.9
Total	Lumens	39289.0	0.0	39289.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	536.8	1.4
10°-20°	1339.8	3.4
20°-30°	2166.1	5.5
30°-40°	3632.2	9.2
40°-50°	5598.8	14.3
50°-60°	7511.4	19.1
60°-70°	10006.7	25.5
70°-80°	7632.1	19.4
80°-90°	865.1	2.2
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°	39289.0	100.0
0°-180°	39289.0	100.0

Coefficient of Utilization



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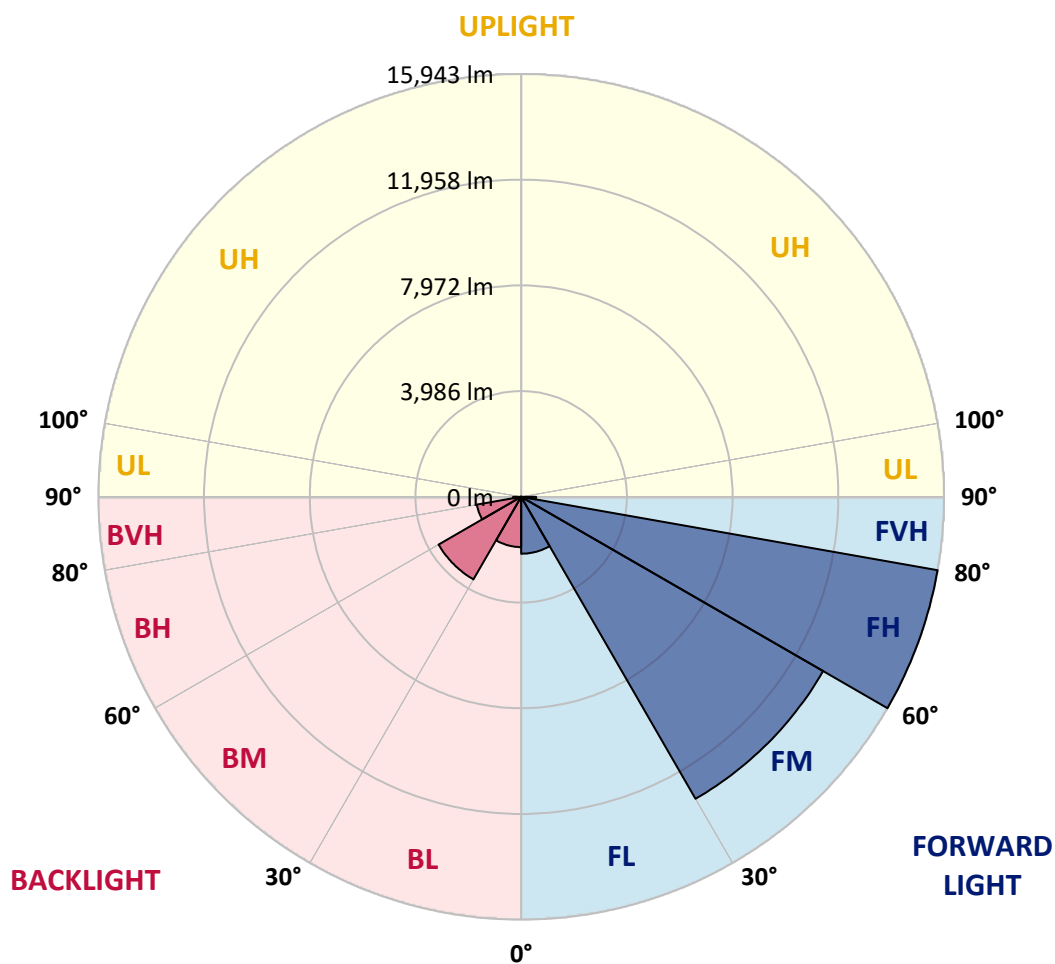
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2146.5	5.5			
FM	(30°-60°)	13146.4	33.5			
FH	(60°-80°)	15943.5	40.6			G5
FVH	(80°-90°)	559.2	1.4			G4/750
BL	(0°-30°)	1896.2	4.8	B3/2500		
BM	(30°-60°)	3596.0	9.2	B3/5000		
BH	(60°-80°)	1695.4	4.3	B3/2500		G3/2500
BVH	(80°-90°)	305.9	0.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5929.9	5929.9	5929.9	5929.9	5929.9	5929.9	5929.9	5929.9	5929.9	5929.9	5929.9
2.5°	5696.0	5707.3	5694.1	5711.1	5739.4	5769.6	5790.3	5820.5	5854.5	5901.6	5913.0
5°	5428.1	5445.0	5445.0	5475.2	5529.9	5579.0	5624.3	5673.3	5745.0	5826.2	5858.2
7.5°	5133.7	5143.2	5160.2	5205.4	5284.7	5354.5	5418.6	5497.9	5596.0	5703.5	5760.1
10°	4779.0	4792.2	4818.7	4882.8	4990.3	5086.6	5179.0	5288.4	5413.0	5546.9	5618.6
12.5°	4528.1	4524.3	4535.7	4582.8	4677.2	4794.1	4928.1	5067.7	5220.5	5377.1	5463.9
15°	4443.2	4422.4	4379.1	4367.7	4418.7	4535.7	4690.4	4862.1	5045.1	5233.7	5341.3
17.5°	4496.0	4460.2	4341.3	4254.5	4247.0	4335.7	4499.8	4692.2	4903.6	5133.7	5267.7
20°	4828.1	4743.2	4450.7	4248.9	4179.1	4222.5	4365.8	4569.6	4818.7	5124.3	5296.0
22.5°	5622.4	5497.9	4877.1	4501.7	4265.9	4213.0	4320.6	4537.5	4828.1	5241.3	5460.1
25°	6779.0	6601.6	5609.2	5131.9	4645.1	4364.0	4388.5	4611.1	4962.0	5513.0	5777.1
27.5°	7692.1	7577.0	6565.8	6020.5	5335.6	4771.5	4609.2	4796.0	5235.6	5958.2	6228.0
30°	8235.5	8165.7	7588.3	7028.0	6216.7	5420.5	5031.9	5143.2	5663.9	6575.2	6797.8
32.5°	8865.7	8824.1	8541.1	8026.1	7167.6	6273.3	5701.6	5662.0	6237.5	7316.7	7418.5
35°	9518.5	9505.2	9339.2	8969.4	8188.3	7397.8	6590.3	6322.4	6862.0	8086.4	8022.3
37.5°	10126.0	10103.3	10007.1	9792.0	9256.2	8605.3	7495.9	6999.7	7535.5	8822.3	8537.4
40°	11244.8	11067.4	10737.3	10575.0	10335.4	9622.2	8214.7	7631.7	8233.6	9524.1	8982.6
42.5°	12608.9	12320.2	11705.2	11482.5	11448.6	10424.1	8705.3	8244.9	8937.3	10220.3	9420.3
45°	13682.4	13410.7	12880.6	12599.5	12724.0	11150.5	9197.7	8899.6	9661.8	10950.5	9871.3
47.5°	14827.7	14401.3	13699.4	13784.3	14056.0	11837.2	9699.6	9603.4	10456.1	11767.4	10431.6
50°	14869.2	14542.8	14235.2	14742.8	15165.4	12469.3	10327.9	10341.1	11427.8	12795.7	11176.9
52.5°	14006.9	13937.1	14425.8	15223.9	15833.3	12969.2	11042.9	11103.3	12671.1	13976.8	11995.7
55°	13705.1	13625.8	14189.9	15055.9	15923.8	13382.4	11818.4	11927.8	14174.9	15222.0	12793.8
57.5°	14440.9	14265.4	14303.2	14976.7	15703.1	13835.2	12663.6	12884.3	15808.7	16310.6	13307.0
60°	16497.4	16121.9	15408.8	15391.8	15822.0	14514.5	13640.9	13910.7	17506.8	16831.3	13107.0
62.5°	19382.2	19006.7	17670.9	16801.2	16737.0	15635.2	14840.9	14912.6	18487.9	16125.7	11886.3
65°	22504.7	22168.8	20676.5	19448.2	18855.8	17491.7	16235.1	15359.7	18167.1	14184.3	9750.5
67.5°	26295.1	25934.7	24651.8	23517.8	22948.1	20487.8	17214.3	14931.4	16131.4	10988.2	7009.1
70°	28945.9	28578.0	28072.4	28991.2	30385.5	24810.2	17340.8	13190.0	12048.5	7303.5	4218.7
72.5°	25487.6	25315.9	26238.5	30108.1	35915.4	27432.8	15674.8	9603.4	6997.8	3877.2	2441.4
73°	23351.8	23314.1	24887.6	29325.1	35955.0	27029.0	14944.6	8926.0	6001.6	3430.0	2232.0
75°	10544.8	10848.6	14297.5	22399.0	31238.3	22272.6	10518.4	5120.5	3390.4	2369.7	1684.8
77.5°	2533.9	2639.5	4473.4	10637.3	19727.4	13273.0	4765.8	2532.0	2167.8	1673.5	1230.1
80°	1079.2	1115.0	1722.6	3930.0	9288.3	5345.1	2196.1	1696.2	1499.9	1167.9	862.2
82.5°	600.0	637.7	977.3	1782.9	3748.9	1822.6	1339.6	1181.1	986.7	703.7	560.4
85°	339.6	360.4	571.7	996.2	1588.6	732.0	801.9	784.9	556.6	362.2	275.5
87.5°	160.4	173.6	275.5	462.2	622.6	286.8	407.5	449.0	349.0	220.7	143.4
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5929.9	5929.9	5929.9	5929.9	5929.9	5929.9	5929.9	5929.9	5929.9	5929.9
2.5°	5926.2	5960.1	5999.7	6020.5	6039.4	6062.0	6084.6	6084.6	6088.4	6090.3
5°	5884.6	5954.5	6016.7	6043.1	6048.8	6048.8	6043.1	6012.9	5986.5	5997.9
7.5°	5797.9	5899.7	5952.6	5943.1	5871.4	5788.4	5718.6	5633.7	5590.3	5582.8
10°	5673.3	5790.3	5799.7	5705.4	5528.1	5350.7	5203.5	5060.2	4992.2	4975.3
12.5°	5535.6	5643.2	5582.8	5388.4	5103.6	4845.1	4658.3	4513.0	4448.9	4431.9
15°	5424.3	5497.9	5345.1	5039.4	4680.9	4407.4	4252.6	4145.1	4099.8	4086.6
17.5°	5365.8	5380.9	5101.7	4688.5	4307.4	4079.1	3982.8	3931.9	3914.9	3905.5
20°	5394.1	5288.4	4869.6	4362.1	4001.7	3841.3	3818.7	3805.5	3801.7	3796.1
22.5°	5535.6	5260.1	4656.4	4052.7	3733.8	3664.0	3682.9	3681.0	3677.2	3673.4
25°	5788.4	5284.7	4448.9	3758.3	3509.3	3494.2	3528.1	3528.1	3513.1	3513.1
27.5°	6122.4	5335.6	4216.8	3479.1	3305.5	3307.4	3333.8	3326.3	3309.3	3298.0
30°	6529.9	5367.7	3945.1	3228.2	3115.0	3107.4	3115.0	3082.9	3031.9	3028.2
32.5°	6946.9	5328.1	3630.0	3005.5	2913.1	2896.1	2890.4	2845.2	2786.7	2769.7
35°	7324.2	5182.8	3309.3	2828.2	2720.6	2682.9	2709.3	2694.2	2641.4	2628.2
37.5°	7599.7	4913.0	3020.6	2671.6	2582.9	2573.5	2590.5	2596.1	2533.9	2520.6
40°	7784.6	4547.0	2773.5	2539.5	2556.5	2520.6	2464.0	2424.4	2405.6	2399.9
42.5°	7933.6	4165.9	2565.9	2477.3	2562.2	2458.4	2335.7	2271.6	2305.6	2320.7
45°	8105.3	3794.2	2392.3	2399.9	2533.9	2386.7	2247.1	2184.8	2198.0	2201.8
47.5°	8341.1	3341.4	2205.6	2275.4	2439.5	2337.6	2192.4	2103.7	2041.4	2013.1
50°	8667.5	2805.5	2011.2	2135.8	2347.1	2301.8	2107.5	2013.1	1898.0	1871.6
52.5°	8894.0	2305.6	1850.9	2018.8	2264.1	2230.1	2039.5	1916.9	1796.1	1773.5
55°	8771.3	1915.0	1711.2	1888.6	2154.6	2141.4	1982.9	1818.8	1724.5	1705.6
57.5°	8158.1	1667.9	1603.7	1766.0	2020.7	2065.9	1907.5	1735.8	1667.9	1654.6
60°	6988.4	1513.1	1535.8	1682.9	1911.2	1990.5	1832.0	1690.5	1645.2	1635.8
62.5°	5422.4	1409.4	1484.8	1622.6	1826.3	1937.7	1790.5	1684.8	1667.9	1656.5
65°	3884.7	1326.4	1430.1	1562.2	1749.0	1888.6	1775.4	1677.3	1681.1	1671.6
67.5°	2639.5	1252.8	1364.1	1494.3	1673.5	1845.2	1754.6	1650.9	1698.0	1686.7
70°	1847.1	1181.1	1286.7	1407.5	1579.2	1784.8	1716.9	1611.3	1607.5	1562.2
72.5°	1441.4	1086.7	1181.1	1286.7	1458.4	1699.9	1641.4	1522.6	1460.3	1413.1
73°	1375.4	1064.1	1154.7	1260.3	1432.0	1679.2	1620.7	1498.0	1428.2	1384.8
75°	1137.7	966.0	1049.0	1143.3	1318.8	1581.1	1518.8	1386.7	1298.1	1271.6
77.5°	894.3	826.4	905.6	990.5	1162.2	1437.7	1367.9	1241.5	1192.4	1169.8
80°	662.2	684.9	754.7	830.2	1007.5	1284.8	1222.6	1096.2	1315.0	1260.3
82.5°	466.0	518.8	583.0	650.9	845.2	1135.8	1060.3	930.1	962.2	800.0
85°	275.5	339.6	400.0	458.5	609.4	941.5	875.4	741.5	607.5	579.2
87.5°	160.4	188.7	205.7	266.0	418.8	709.4	617.0	549.0	315.1	213.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)