

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: P198059

Luminaire Tested: **TT-C6-LED-E1-RW-CG-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198059
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34696)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C6-LED-E1-RW-CG-MS/DIM-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8884.3 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 108
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



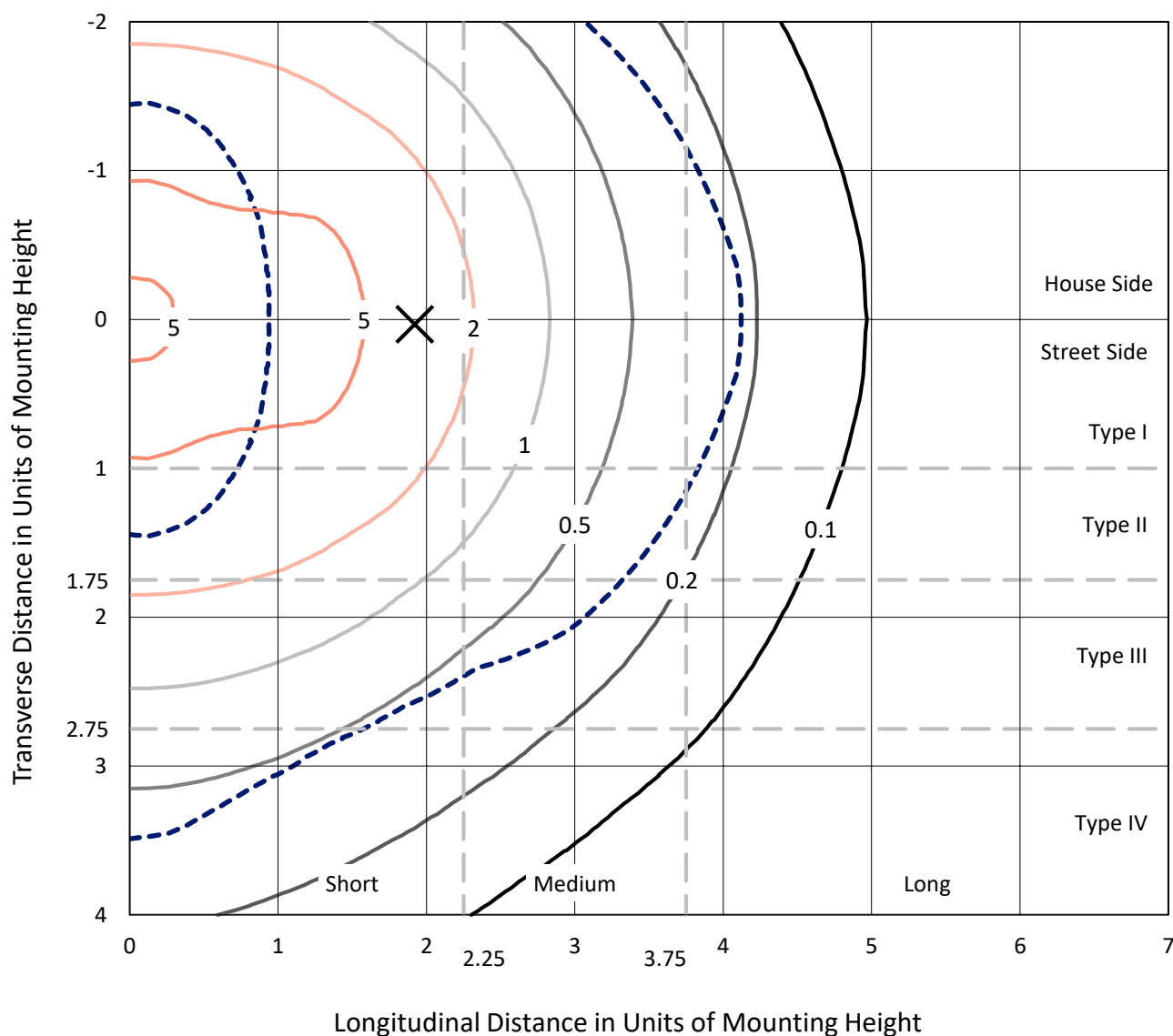
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

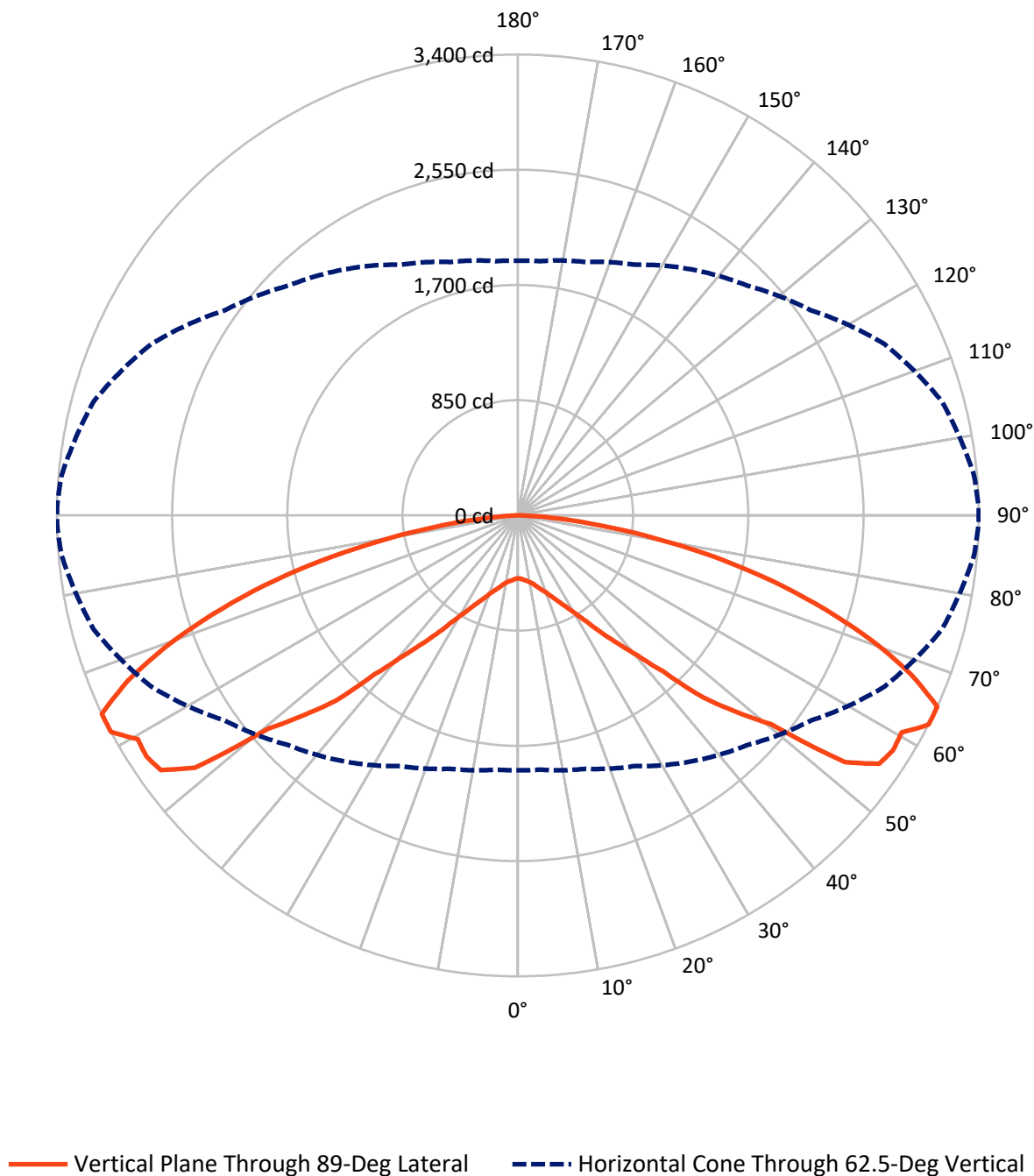


Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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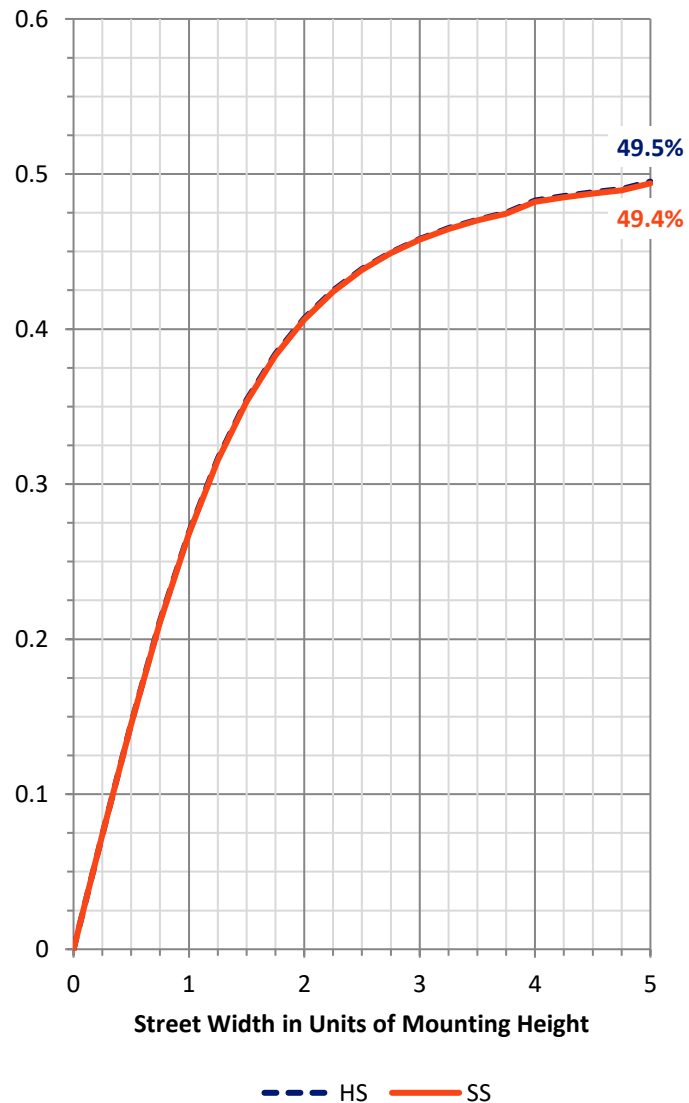
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4442.1	0.0	4442.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4442.1	0.0	4442.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	8884.3	0.0	8884.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.4	0.5
10°-20°	158.1	1.8
20°-30°	336.3	3.8
30°-40°	646.2	7.3
40°-50°	1196.4	13.5
50°-60°	2021.0	22.7
60°-70°	2440.9	27.5
70°-80°	1680.5	18.9
80°-90°	358.6	4.0
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°	8884.3	100.0
0°-180°	8884.3	100.0

Coefficient of Utilization



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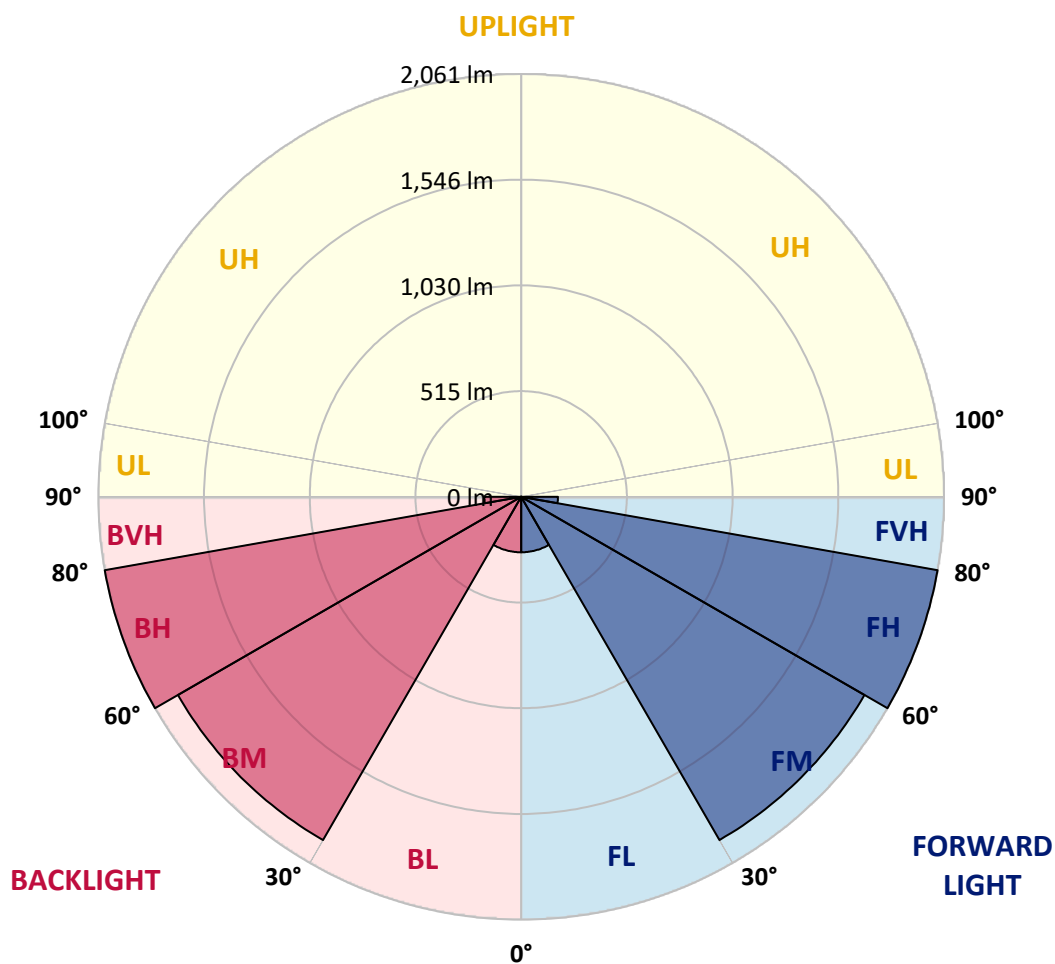
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	270.4	3.0			
FM	(30°-60°)	1931.8	21.7			
FH	(60°-80°)	2060.7	23.2			G2/5000
FVH	(80°-90°)	179.3	2.0			G2/225
BL	(0°-30°)	270.4	3.0	B1/500		
BM	(30°-60°)	1931.8	21.7	B2/2500		
BH	(60°-80°)	2060.7	23.2	B3/2500		G3/2500
BVH	(80°-90°)	179.3	2.0			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	464.4	464.4	464.4	464.4	464.4	464.4	464.4	464.4	464.4	464.4	464.4
2.5°	468.3	468.3	468.3	468.3	470.2	470.2	470.2	470.2	470.2	470.2	468.3
5°	476.1	474.1	476.1	478.0	478.0	479.9	479.9	479.9	479.9	478.0	478.0
7.5°	485.8	485.8	487.7	489.7	491.6	489.7	489.7	487.7	487.7	487.7	487.7
10°	503.3	501.3	503.3	505.2	503.3	503.3	503.3	503.3	503.3	503.3	501.3
12.5°	522.7	522.7	522.7	522.7	520.7	522.7	520.7	522.7	522.7	522.7	520.7
15°	549.9	549.9	549.9	547.9	546.0	546.0	546.0	546.0	546.0	546.0	547.9
17.5°	586.8	584.9	582.9	579.0	577.1	575.2	575.2	575.2	577.1	577.1	577.1
20°	629.6	625.7	621.8	619.8	617.9	614.0	612.1	614.0	616.0	616.0	610.1
22.5°	682.0	676.2	670.4	668.4	660.6	658.7	656.8	654.8	654.8	656.8	654.8
25°	730.6	732.5	726.7	717.0	715.1	711.2	705.3	707.3	705.3	707.3	705.3
27.5°	790.8	794.7	788.9	779.2	773.3	767.5	763.6	763.6	765.6	771.4	765.6
30°	858.8	860.8	855.0	847.2	837.5	829.7	827.7	837.5	837.5	845.2	841.4
32.5°	930.7	928.8	921.0	919.1	907.4	907.4	909.4	917.1	930.7	936.6	934.6
35°	1018.2	1006.5	1004.6	996.8	987.1	987.1	998.7	1018.2	1043.4	1059.0	1060.9
37.5°	1097.8	1094.0	1092.0	1080.3	1074.5	1086.2	1109.5	1144.5	1165.8	1196.9	1196.9
40°	1179.4	1189.2	1179.4	1167.8	1173.6	1191.1	1230.0	1274.7	1323.2	1356.3	1356.3
42.5°	1259.1	1276.6	1266.9	1257.2	1272.7	1313.5	1362.1	1437.9	1535.0	1577.8	1575.8
45°	1344.6	1358.2	1348.5	1350.4	1383.5	1434.0	1527.3	1690.5	1826.5	1913.9	1915.9
47.5°	1437.9	1439.8	1434.0	1443.7	1492.3	1589.4	1715.7	1915.9	2049.9	2154.9	2162.6
50°	1531.1	1521.4	1519.5	1542.8	1630.2	1752.7	1933.4	2127.7	2339.5	2417.2	2423.0
52.5°	1614.7	1603.0	1610.8	1649.7	1764.3	1915.9	2141.3	2471.6	2778.6	3007.9	3023.4
55°	1694.4	1680.8	1700.2	1762.4	1913.9	2118.0	2399.7	2811.6	3072.0	3221.6	3235.2
57.5°	1762.4	1758.5	1789.6	1867.3	2053.8	2302.5	2611.5	2947.6	3140.0	3252.7	3266.3
60°	1830.4	1830.4	1871.2	1972.2	2180.1	2407.5	2652.3	2945.7	3143.9	3239.1	3252.7
62.5°	1879.0	1882.8	1935.3	2040.2	2217.0	2395.8	2638.7	2986.5	3241.0	3379.0	3400.4
65°	1906.2	1913.9	1970.3	2040.2	2201.5	2384.2	2726.1	3019.5	3229.4	3375.1	3400.4
67.5°	1910.0	1925.6	1952.8	2005.3	2141.3	2296.7	2586.2	2825.2	3000.1	3110.9	3128.4
70°	1892.6	1886.7	1884.8	1898.4	1966.4	2079.1	2333.6	2522.1	2695.0	2765.0	2778.6
72.5°	1805.1	1803.2	1735.2	1692.4	1709.9	1787.6	2013.0	2158.8	2271.5	2360.8	2370.6
75°	1630.2	1614.7	1502.0	1414.6	1397.1	1467.0	1636.1	1742.9	1844.0	1927.5	1948.9
77.5°	1360.2	1321.3	1206.6	1103.7	1070.6	1123.1	1249.4	1323.2	1397.1	1494.2	1494.2
80°	987.1	967.7	868.6	785.0	752.0	783.1	872.4	903.5	942.4	1029.8	1031.8
82.5°	637.3	616.0	549.9	497.4	468.3	487.7	524.6	538.2	571.3	623.7	621.8
85°	310.9	310.9	277.9	248.7	221.5	225.4	248.7	256.5	283.7	297.3	293.4
87.5°	77.7	85.5	75.8	70.0	62.2	62.2	70.0	70.0	85.5	85.5	81.6
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°
0°	464.4
2.5°	468.3
5°	478.0
7.5°	487.7
10°	501.3
12.5°	522.7
15°	546.0
17.5°	579.0
20°	616.0
22.5°	654.8
25°	705.3
27.5°	771.4
30°	845.2
32.5°	932.7
35°	1053.1
37.5°	1196.9
40°	1358.2
42.5°	1577.8
45°	1919.8
47.5°	2154.9
50°	2417.2
52.5°	3013.7
55°	3233.3
57.5°	3268.3
60°	3256.6
62.5°	3400.4
65°	3396.5
67.5°	3124.5
70°	2784.4
72.5°	2386.1
75°	1956.7
77.5°	1484.5
80°	1072.6
82.5°	625.7
85°	297.3
87.5°	89.4
90°	0.0

(END OF REPORT)