

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: P198155

Luminaire Tested: **TT-C6-LED-E1-RW-SG-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198155
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34699)
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-SG-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9340.4 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type III - Short - Full 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



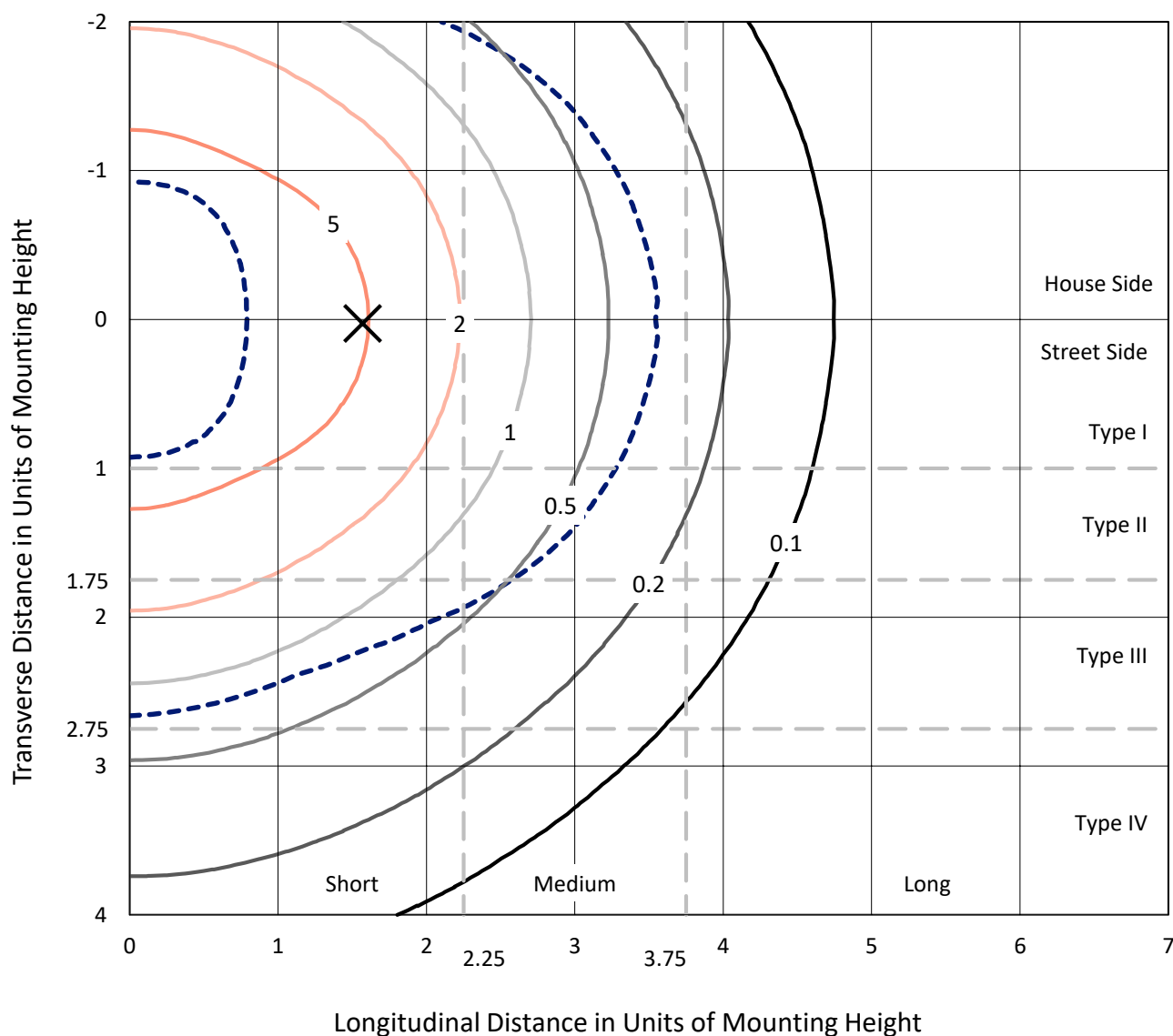
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

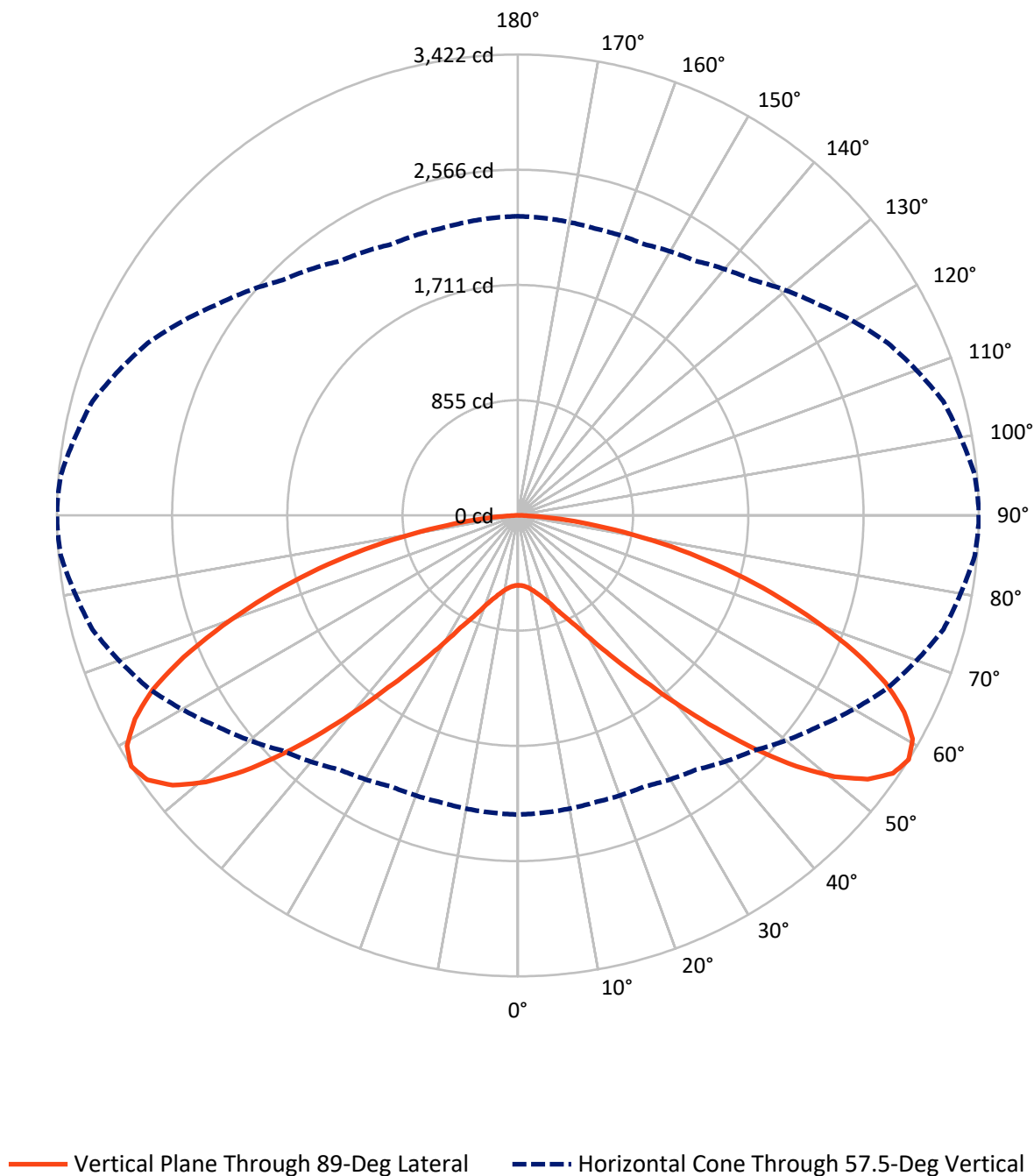


Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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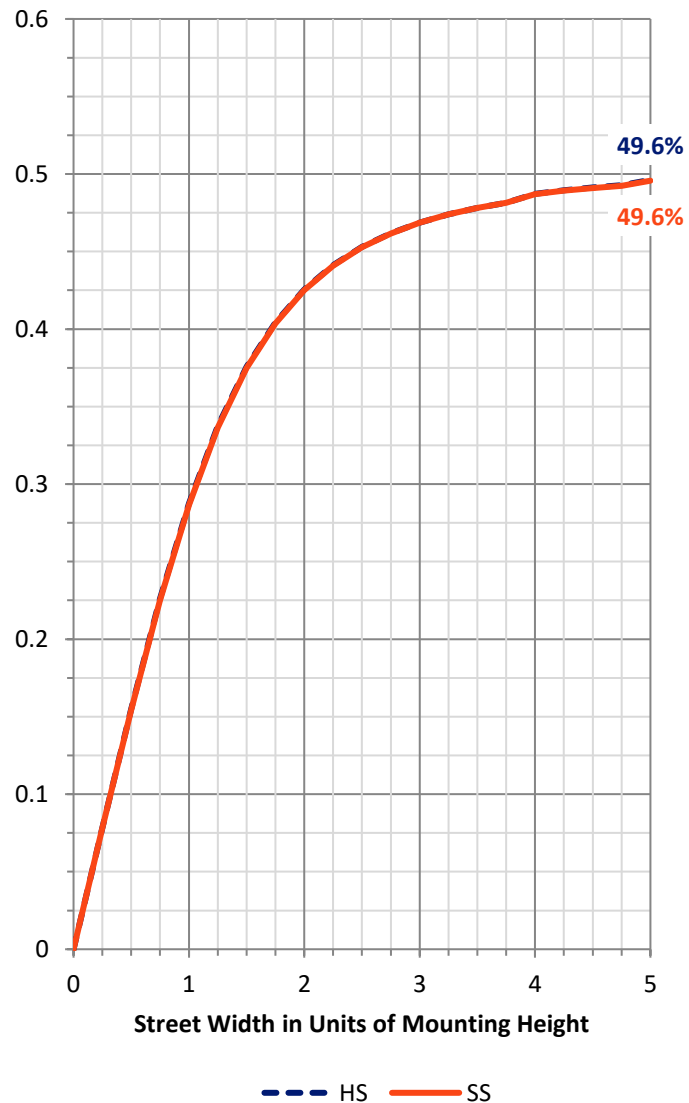
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4670.2	0.0	4670.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4670.2	0.0	4670.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	9340.4	0.0	9340.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.5	0.6
10°-20°	179.9	1.9
20°-30°	402.9	4.3
30°-40°	833.8	8.9
40°-50°	1582.7	16.9
50°-60°	2315.9	24.8
60°-70°	2308.9	24.7
70°-80°	1374.2	14.7
80°-90°	290.7	3.1
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°	9340.4	100.0
0°-180°	9340.4	100.0

Coefficient of Utilization



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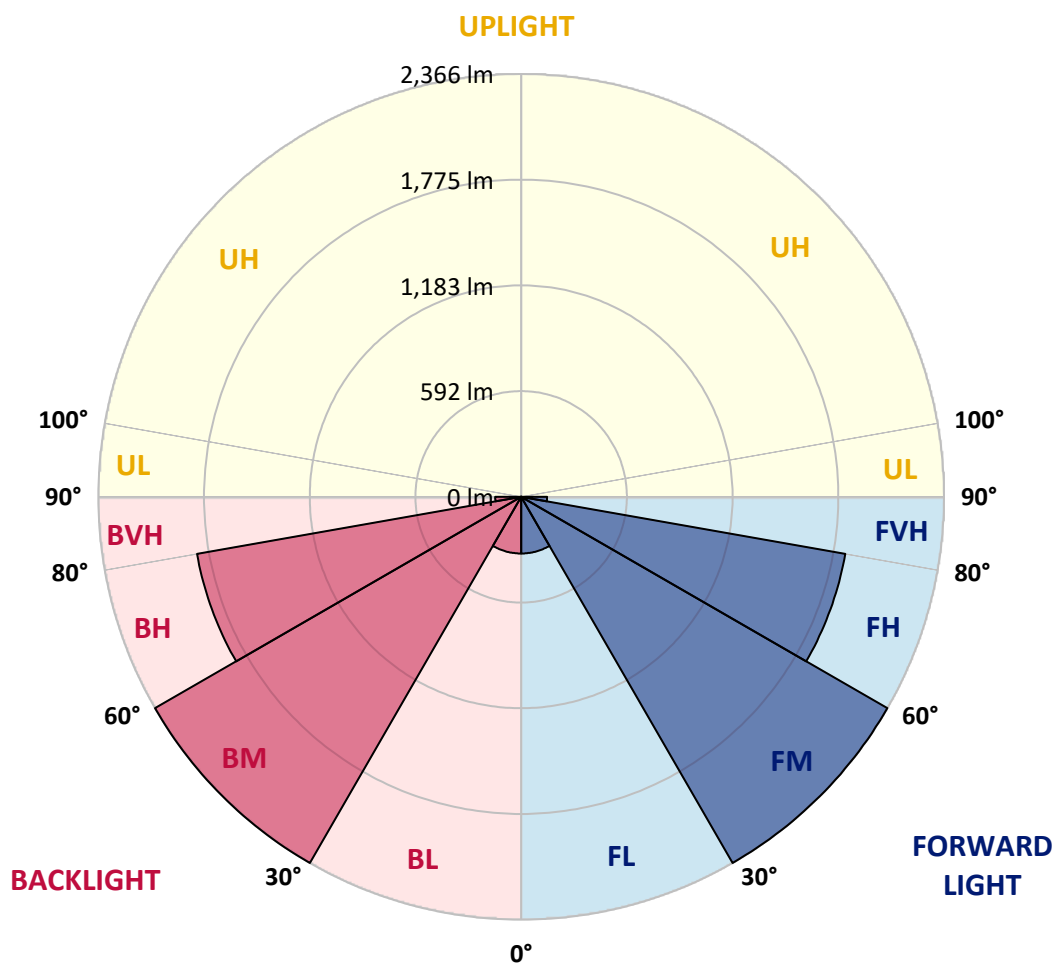
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	317.1	3.4			
FM	(30°-60°)	2366.2	25.3			
FH	(60°-80°)	1841.6	19.7			G2/5000
FVH	(80°-90°)	145.3	1.6			G2/225
BL	(0°-30°)	317.1	3.4	B1/500		
BM	(30°-60°)	2366.2	25.3	B2/2500		
BH	(60°-80°)	1841.6	19.7	B3/2500		G3/2500
BVH	(80°-90°)	145.3	1.6			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8
2.5°	522.7	522.7	522.7	522.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7
5°	530.5	530.5	528.5	530.5	528.5	528.5	528.5	528.5	528.5	528.5	528.5
7.5°	542.1	542.1	542.1	542.1	542.1	542.1	540.2	542.1	540.2	540.2	540.2
10°	563.5	561.5	563.5	561.5	561.5	559.6	559.6	559.6	559.6	559.6	559.6
12.5°	590.7	590.7	590.7	588.8	586.8	586.8	584.9	584.9	584.9	582.9	584.9
15°	627.6	629.6	623.7	621.8	621.8	617.9	616.0	617.9	616.0	614.0	616.0
17.5°	672.3	674.2	670.4	666.5	662.6	660.6	658.7	656.8	656.8	656.8	654.8
20°	730.6	730.6	726.7	718.9	713.1	709.2	709.2	707.3	707.3	709.2	703.4
22.5°	796.7	794.7	790.8	786.9	779.2	771.4	767.5	765.6	765.6	769.5	771.4
25°	878.3	880.2	868.6	860.8	853.0	839.4	837.5	839.4	841.4	841.4	845.2
27.5°	961.8	965.7	956.0	944.3	932.7	926.8	923.0	926.8	930.7	936.6	934.6
30°	1060.9	1059.0	1057.0	1039.5	1025.9	1020.1	1024.0	1035.7	1045.4	1059.0	1060.9
32.5°	1167.8	1171.7	1158.1	1144.5	1138.6	1132.8	1138.6	1163.9	1191.1	1198.9	1208.6
35°	1294.1	1286.3	1278.5	1268.8	1259.1	1259.1	1288.3	1317.4	1360.2	1389.3	1389.3
37.5°	1422.3	1416.5	1402.9	1389.3	1389.3	1408.7	1437.9	1509.8	1571.9	1614.7	1597.2
40°	1554.5	1546.7	1542.8	1527.3	1529.2	1575.8	1638.0	1727.4	1816.8	1877.0	1865.4
42.5°	1688.5	1690.5	1676.9	1671.0	1688.5	1741.0	1849.8	1970.3	2083.0	2158.8	2160.7
45°	1826.5	1826.5	1816.8	1812.9	1845.9	1925.6	2061.6	2226.8	2378.3	2465.8	2475.5
47.5°	1952.8	1950.8	1943.1	1941.1	1997.5	2092.7	2263.7	2475.5	2662.0	2759.2	2784.4
50°	2061.6	2063.5	2051.9	2061.6	2112.1	2238.4	2444.4	2700.9	2914.6	3037.0	3048.7
52.5°	2147.1	2149.0	2135.4	2143.2	2211.2	2356.9	2586.2	2873.8	3107.0	3237.2	3252.7
55°	2205.4	2197.6	2187.9	2199.6	2277.3	2438.6	2689.2	2988.4	3231.3	3367.3	3379.0
57.5°	2220.9	2215.1	2205.4	2220.9	2304.5	2469.6	2728.1	3029.3	3270.2	3406.2	3421.8
60°	2197.6	2197.6	2186.0	2203.4	2287.0	2448.3	2700.9	2992.3	3221.6	3346.0	3367.3
62.5°	2137.4	2137.4	2123.8	2137.4	2217.0	2366.7	2607.6	2877.7	3085.6	3194.4	3219.7
65°	2024.7	2022.7	2015.0	2018.9	2084.9	2226.8	2446.3	2691.2	2871.9	2969.0	3002.1
67.5°	1861.5	1855.6	1847.9	1855.6	1904.2	2030.5	2232.6	2446.3	2595.9	2689.2	2697.0
70°	1653.6	1647.7	1638.0	1634.1	1684.6	1785.7	1948.9	2137.4	2261.7	2329.7	2337.5
72.5°	1406.8	1414.6	1406.8	1395.1	1428.2	1517.5	1653.6	1797.3	1900.3	1962.5	1972.2
75°	1163.9	1165.8	1146.4	1142.5	1167.8	1224.1	1334.9	1445.6	1535.0	1587.5	1603.0
77.5°	901.6	901.6	884.1	874.4	888.0	936.6	1012.3	1101.7	1175.6	1208.6	1235.8
80°	649.0	649.0	633.4	610.1	623.7	649.0	717.0	765.6	823.9	860.8	864.7
82.5°	406.1	400.3	404.2	386.7	390.6	398.3	441.1	474.1	509.1	528.5	530.5
85°	211.8	204.0	200.1	190.4	184.6	198.2	217.6	240.9	248.7	266.2	260.4
87.5°	66.1	62.2	60.2	60.2	54.4	58.3	60.2	64.1	73.8	73.8	77.7
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°	518.8
2.5°	520.7
5°	528.5
7.5°	540.2
10°	559.6
12.5°	582.9
15°	616.0
17.5°	656.8
20°	703.4
22.5°	765.6
25°	841.4
27.5°	930.7
30°	1059.0
32.5°	1202.8
35°	1377.6
37.5°	1616.6
40°	1863.4
42.5°	2174.3
45°	2475.5
47.5°	2784.4
50°	3042.9
52.5°	3246.9
55°	3384.8
57.5°	3421.8
60°	3361.5
62.5°	3213.8
65°	2998.2
67.5°	2697.0
70°	2349.2
72.5°	1966.4
75°	1585.5
77.5°	1228.0
80°	864.7
82.5°	546.0
85°	260.4
87.5°	83.6
90°	0.0

(END OF REPORT)