

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: P198156

Luminaire Tested: **TT-C6-LED-E1-RW-SG-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198156
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-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9269.8 lumens
Efficiency: N/A
Efficacy: 85.8 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



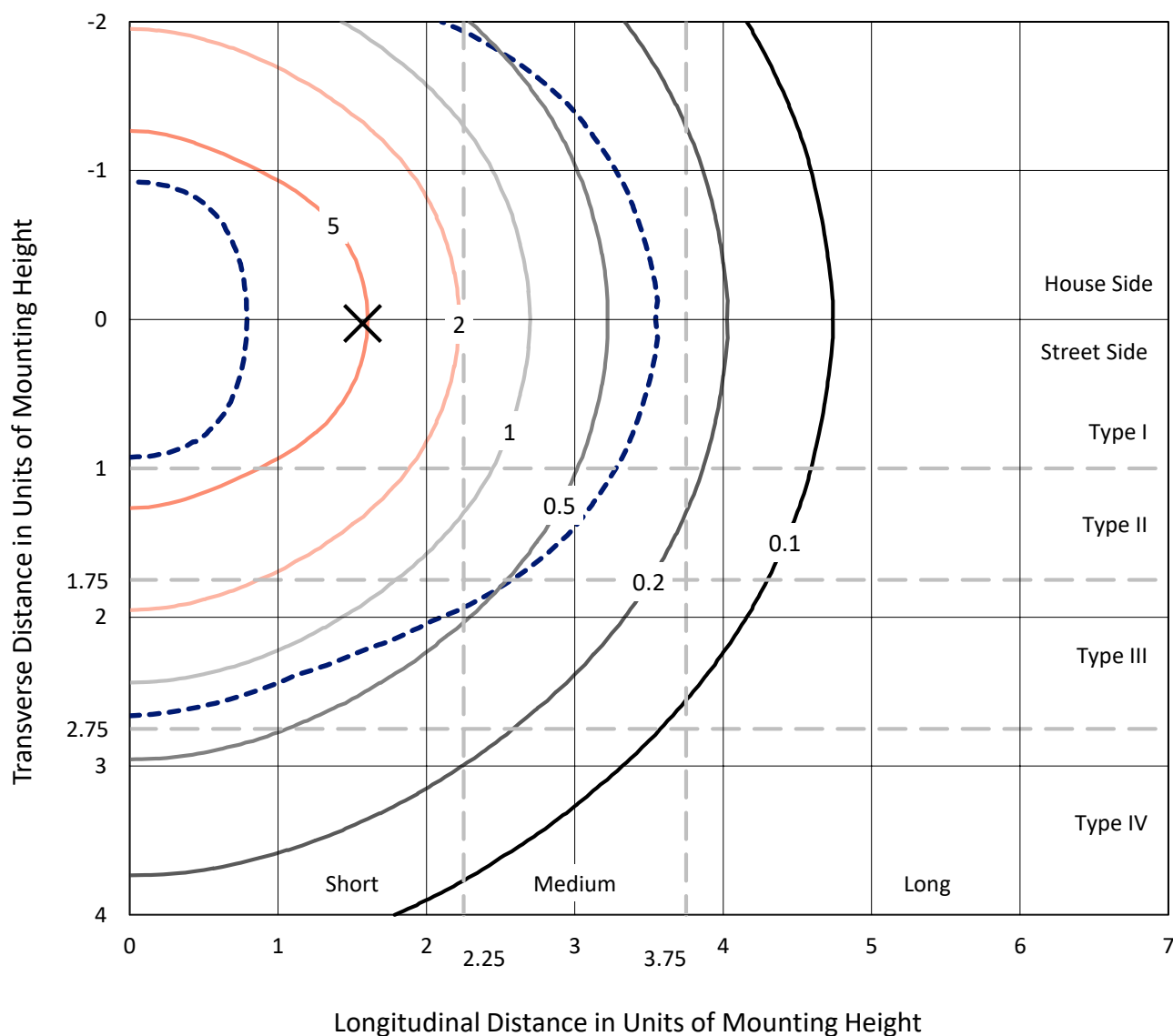
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

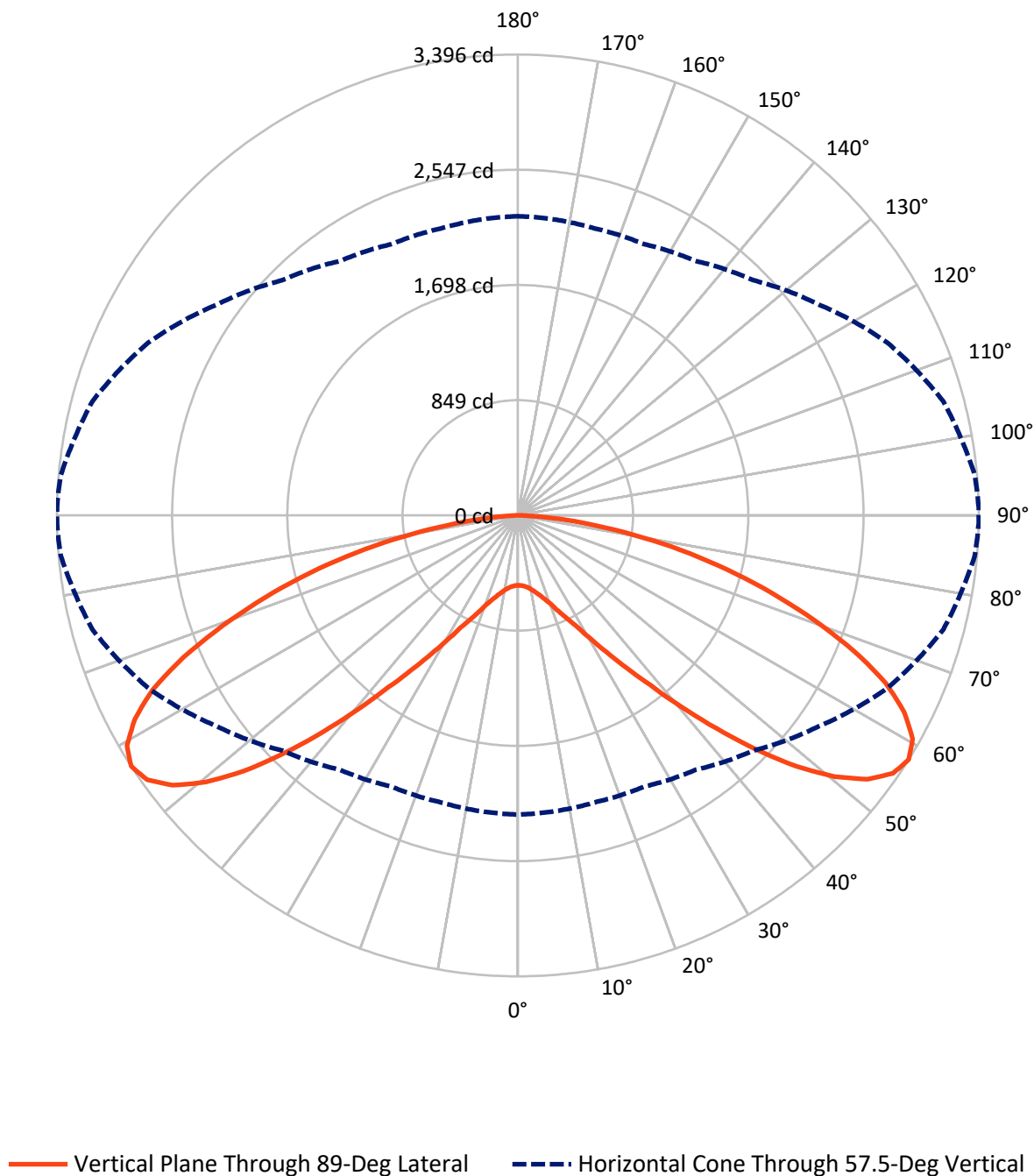


Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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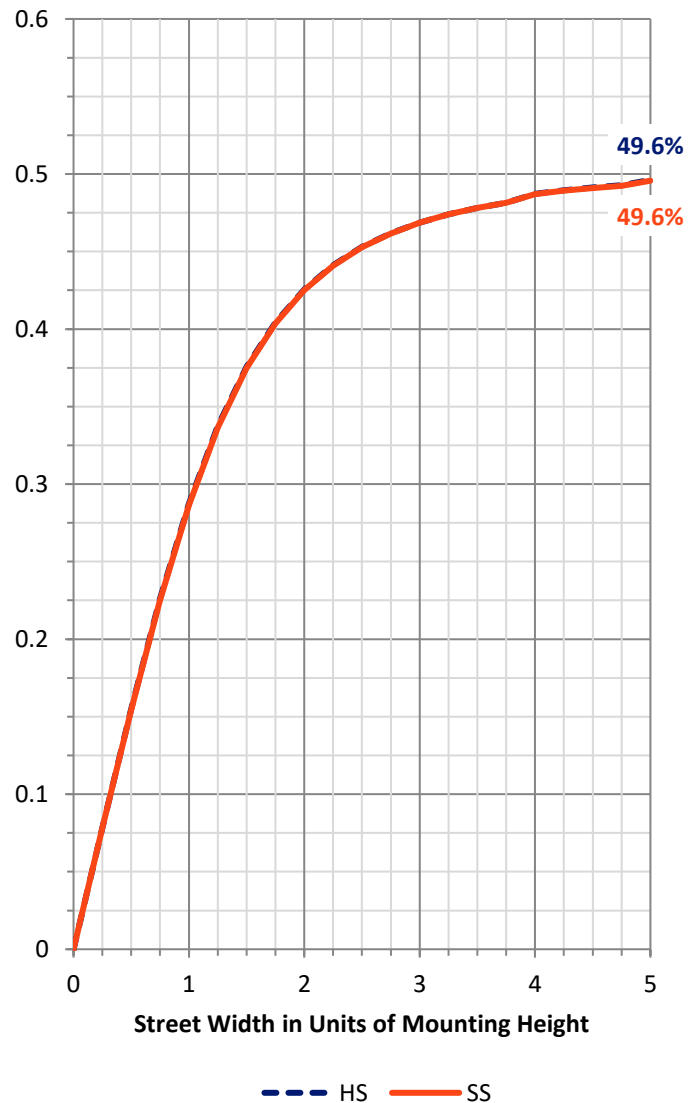
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4634.9	0.0	4634.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4634.9	0.0	4634.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	9269.8	0.0	9269.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.1	0.6
10°-20°	178.5	1.9
20°-30°	399.8	4.3
30°-40°	827.5	8.9
40°-50°	1570.7	16.9
50°-60°	2298.4	24.8
60°-70°	2291.5	24.7
70°-80°	1363.9	14.7
80°-90°	288.5	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°	9269.8	100.0
0°-180°	9269.8	100.0

Coefficient of Utilization



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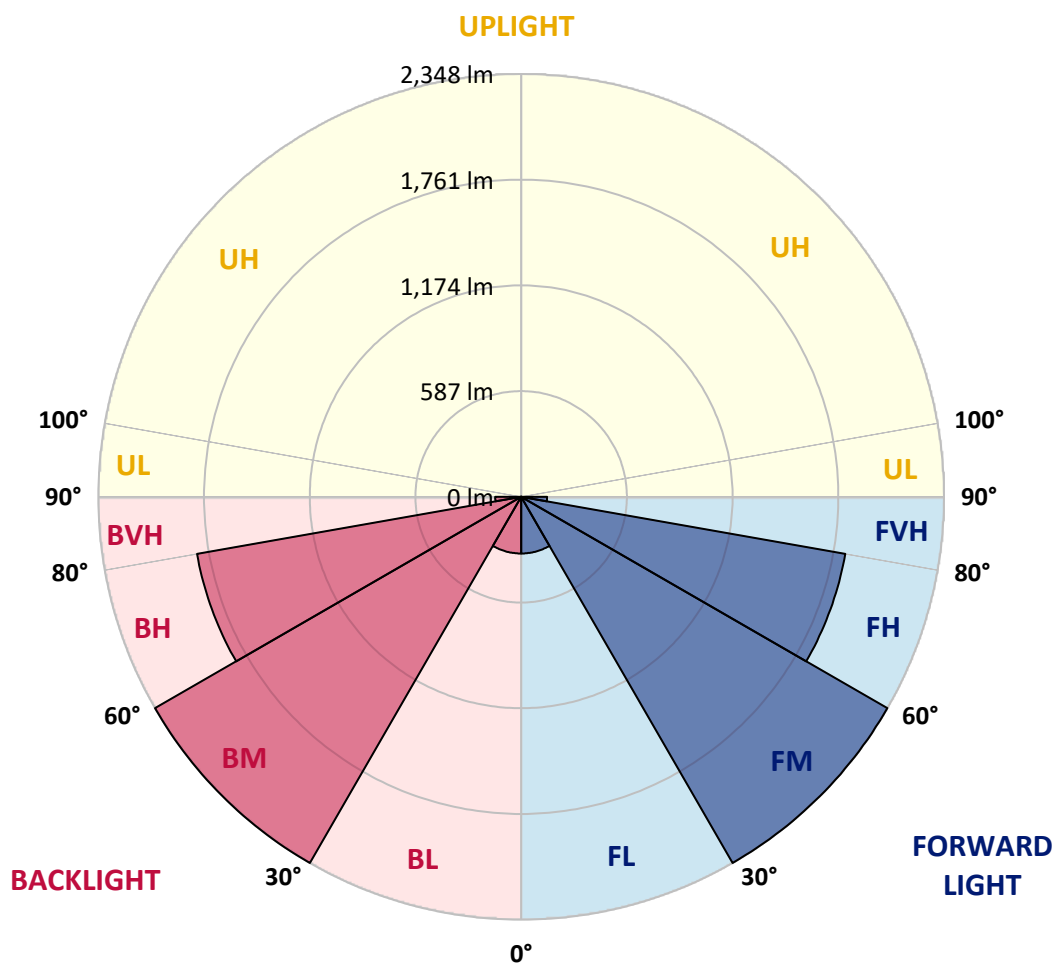
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	314.7	3.4			
FM	(30°-60°)	2348.3	25.3			
FH	(60°-80°)	1827.7	19.7			G2/5000
FVH	(80°-90°)	144.2	1.6			G2/225
BL	(0°-30°)	314.7	3.4	B1/500		
BM	(30°-60°)	2348.3	25.3	B2/2500		
BH	(60°-80°)	1827.7	19.7	B3/2500		G3/2500
BVH	(80°-90°)	144.2	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°	514.9	514.9	514.9	514.9	514.9	514.9	514.9	514.9	514.9	514.9	514.9
2.5°	518.7	518.7	518.7	518.7	516.8	516.8	516.8	516.8	516.8	516.8	516.8
5°	526.5	526.5	524.5	526.5	524.5	524.5	524.5	524.5	524.5	524.5	524.5
7.5°	538.0	538.0	538.0	538.0	538.0	538.0	536.1	538.0	536.1	536.1	536.1
10°	559.2	557.3	559.2	557.3	557.3	555.4	555.4	555.4	555.4	555.4	555.4
12.5°	586.2	586.2	586.2	584.3	582.4	582.4	580.4	580.4	580.4	578.5	580.4
15°	622.9	624.8	619.0	617.1	617.1	613.2	611.3	613.2	611.3	609.4	611.3
17.5°	667.2	669.2	665.3	661.4	657.6	655.7	653.7	651.8	651.8	651.8	649.9
20°	725.1	725.1	721.2	713.5	707.7	703.9	703.9	701.9	701.9	703.9	698.1
22.5°	790.6	788.7	784.9	781.0	773.3	765.6	761.7	759.8	759.8	763.6	765.6
25°	871.6	873.6	862.0	854.3	846.6	833.1	831.1	833.1	835.0	835.0	838.9
27.5°	954.6	958.4	948.8	937.2	925.6	919.8	916.0	919.8	923.7	929.5	927.6
30°	1052.9	1051.0	1049.1	1031.7	1018.2	1012.4	1016.3	1027.8	1037.5	1051.0	1052.9
32.5°	1159.0	1162.8	1149.3	1135.8	1130.0	1124.3	1130.0	1155.1	1182.1	1189.8	1199.5
35°	1284.3	1276.6	1268.9	1259.2	1249.6	1249.6	1278.5	1307.5	1349.9	1378.8	1378.8
37.5°	1411.6	1405.8	1392.3	1378.8	1378.8	1398.1	1427.0	1498.4	1560.1	1602.5	1585.1
40°	1542.7	1535.0	1531.2	1515.7	1517.7	1563.9	1625.6	1714.4	1803.1	1862.8	1851.3
42.5°	1675.8	1677.7	1664.2	1658.4	1675.8	1727.8	1835.8	1955.4	2067.2	2142.5	2144.4
45°	1812.7	1812.7	1803.1	1799.2	1832.0	1911.0	2046.0	2209.9	2360.4	2447.1	2456.8
47.5°	1938.0	1936.1	1928.4	1926.5	1982.4	2076.9	2246.6	2456.8	2641.9	2738.3	2763.4
50°	2046.0	2048.0	2036.4	2046.0	2096.2	2221.5	2425.9	2680.5	2892.6	3014.1	3025.7
52.5°	2130.9	2132.8	2119.3	2127.0	2194.5	2339.2	2566.7	2852.1	3083.5	3212.7	3228.1
55°	2188.7	2181.0	2171.4	2183.0	2260.1	2420.1	2668.9	2965.9	3206.9	3341.9	3353.5
57.5°	2204.2	2198.4	2188.7	2204.2	2287.1	2451.0	2707.5	3006.4	3245.5	3380.5	3395.9
60°	2181.0	2181.0	2169.5	2186.8	2269.7	2429.8	2680.5	2969.7	3197.3	3320.7	3341.9
62.5°	2121.2	2121.2	2107.7	2121.2	2200.3	2348.8	2587.9	2856.0	3062.3	3170.3	3195.4
65°	2009.4	2007.5	1999.8	2003.6	2069.2	2209.9	2427.9	2670.8	2850.2	2946.6	2979.4
67.5°	1847.4	1841.6	1833.9	1841.6	1889.8	2015.2	2215.7	2427.9	2576.3	2668.9	2676.6
70°	1641.1	1635.3	1625.6	1621.8	1671.9	1772.2	1934.2	2121.2	2244.7	2312.2	2319.9
72.5°	1396.2	1403.9	1396.2	1384.6	1417.4	1506.1	1641.1	1783.8	1886.0	1947.7	1957.3
75°	1155.1	1157.0	1137.8	1133.9	1159.0	1214.9	1324.8	1434.7	1523.4	1575.5	1590.9
77.5°	894.8	894.8	877.4	867.8	881.3	929.5	1004.7	1093.4	1166.7	1199.5	1226.5
80°	644.1	644.1	628.7	605.5	619.0	644.1	711.6	759.8	817.6	854.3	858.1
82.5°	403.0	397.3	401.1	383.8	387.6	395.3	437.7	470.5	505.2	524.5	526.5
85°	210.2	202.5	198.6	189.0	183.2	196.7	216.0	239.1	246.8	264.2	258.4
87.5°	65.6	61.7	59.8	59.8	54.0	57.9	59.8	63.6	73.3	73.3	77.1
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°	514.9
2.5°	516.8
5°	524.5
7.5°	536.1
10°	555.4
12.5°	578.5
15°	611.3
17.5°	651.8
20°	698.1
22.5°	759.8
25°	835.0
27.5°	923.7
30°	1051.0
32.5°	1193.7
35°	1367.2
37.5°	1604.4
40°	1849.3
42.5°	2157.9
45°	2456.8
47.5°	2763.4
50°	3019.9
52.5°	3222.4
55°	3359.3
57.5°	3395.9
60°	3336.1
62.5°	3189.6
65°	2975.5
67.5°	2676.6
70°	2331.4
72.5°	1951.5
75°	1573.6
77.5°	1218.8
80°	858.1
82.5°	541.9
85°	258.4
87.5°	82.9
90°	0.0

(END OF REPORT)