

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: P198082

Luminaire Tested: **TT-C6-LED-E1-RW-CG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198082
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34695)
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
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS
Light Source: (160) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9591.8 lumens
Efficiency: N/A
Efficacy: 88.8 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

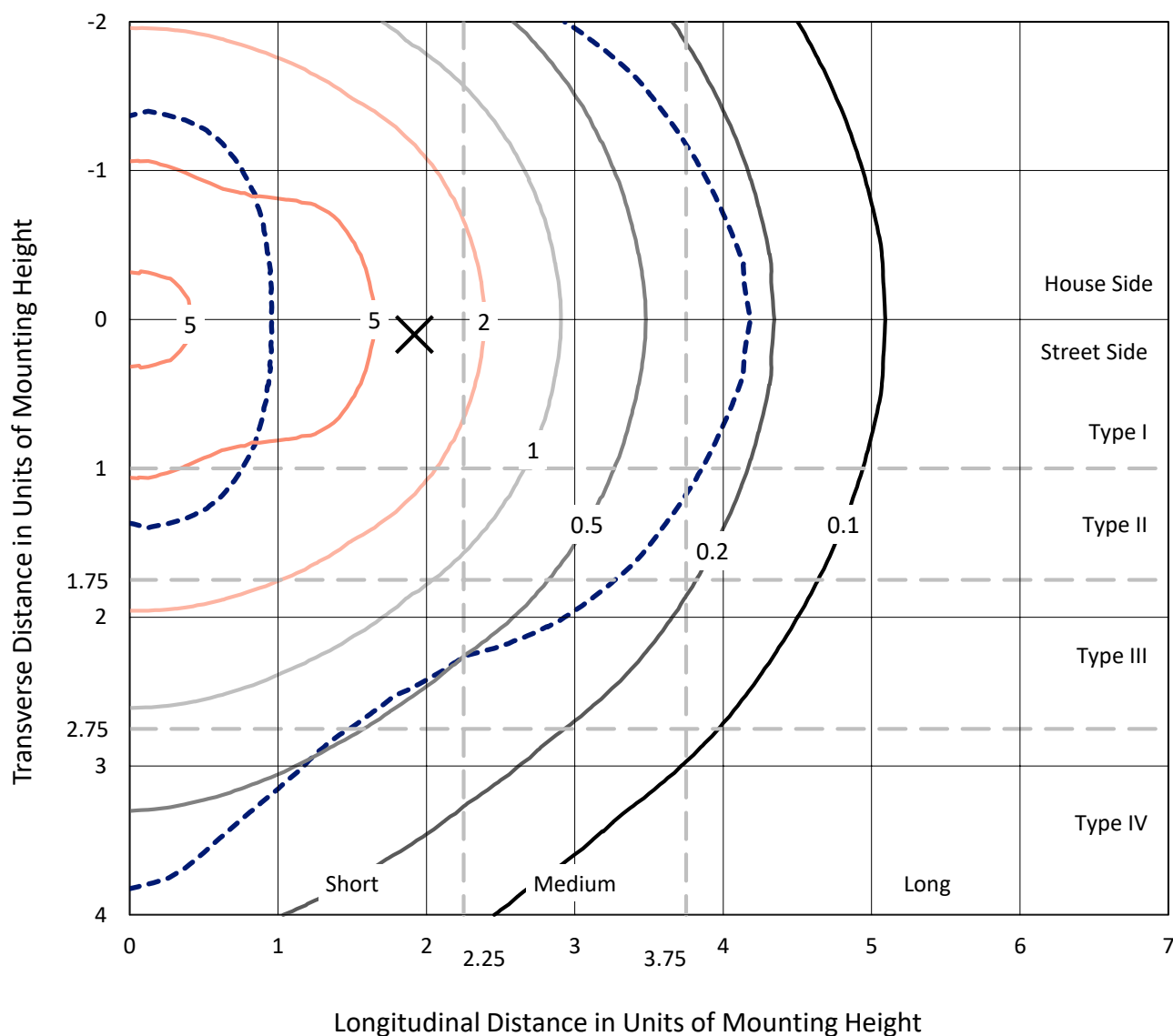


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

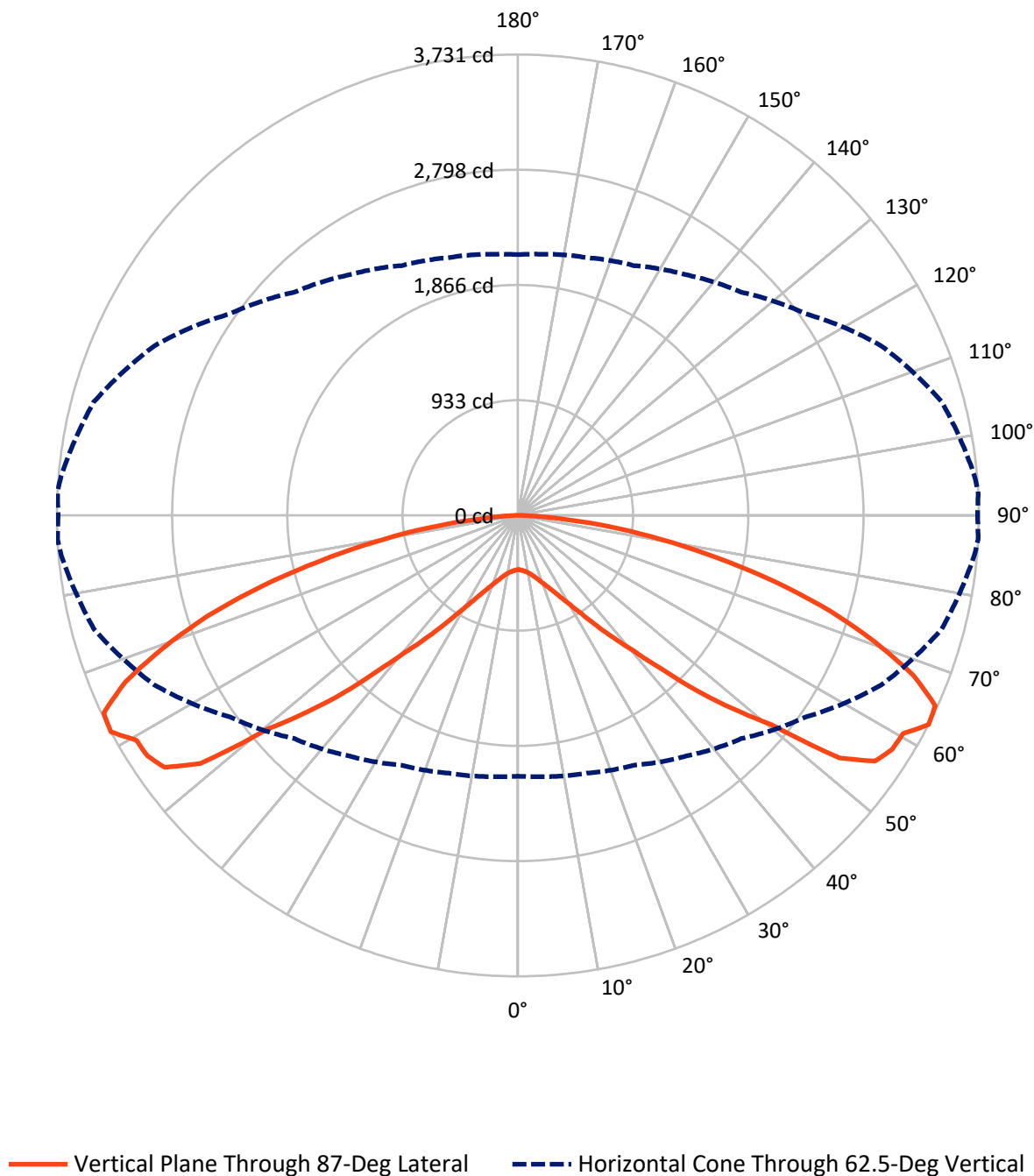


Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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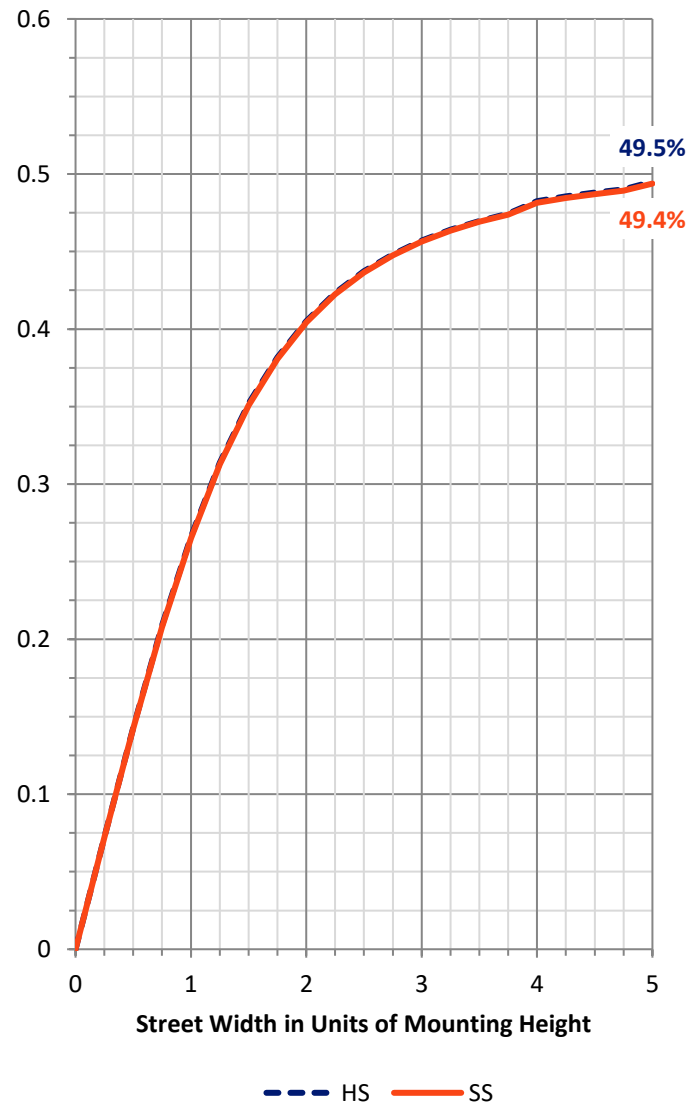
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4795.9	0.0	4795.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4795.9	0.0	4795.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	9591.8	0.0	9591.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.8	0.5
10°-20°	151.5	1.6
20°-30°	334.3	3.5
30°-40°	673.2	7.0
40°-50°	1284.1	13.4
50°-60°	2198.8	22.9
60°-70°	2663.8	27.8
70°-80°	1845.6	19.2
80°-90°	396.7	4.1
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°	9591.8	100.0
0°-180°	9591.8	100.0

Coefficient of Utilization



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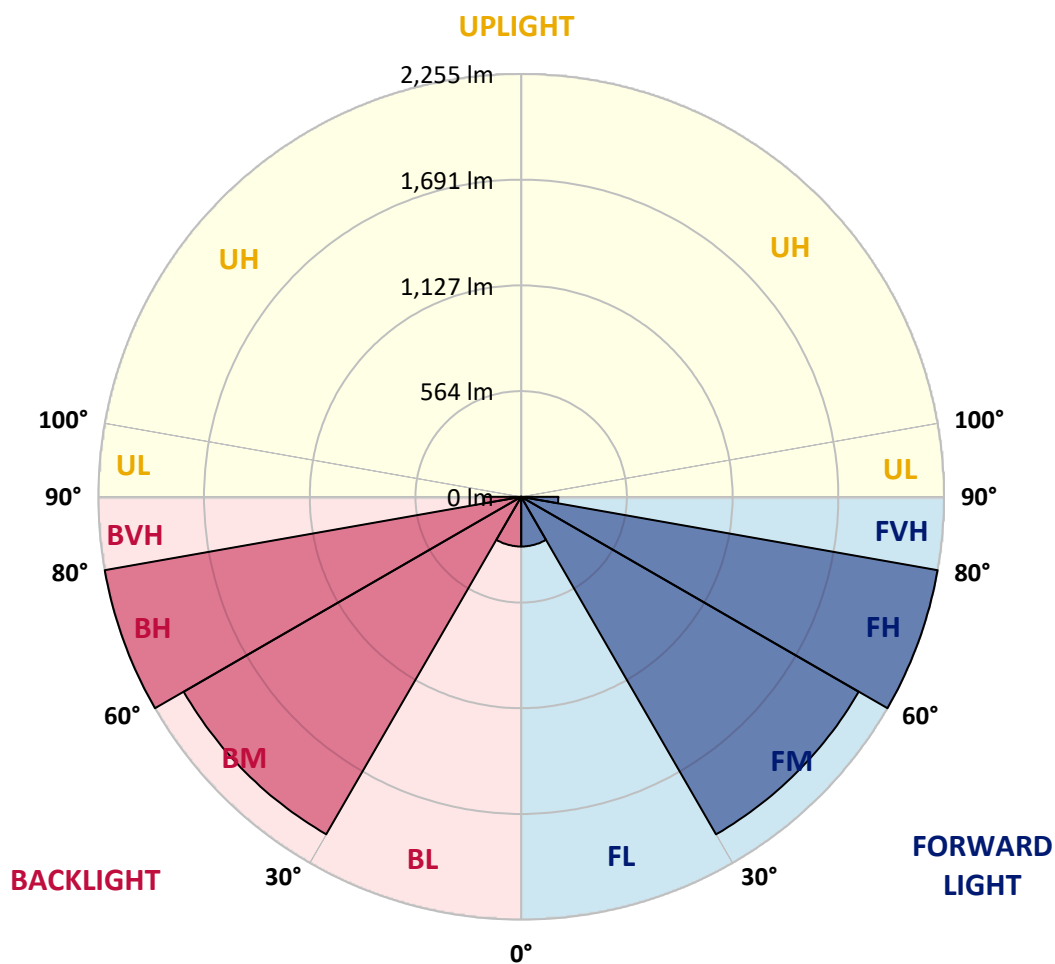
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	264.8	2.8			
FM	(30°-60°)	2078.1	21.7			
FH	(60°-80°)	2254.7	23.5			G2/5000
FVH	(80°-90°)	198.3	2.1			G2/225
BL	(0°-30°)	264.8	2.8	B1/500		
BM	(30°-60°)	2078.1	21.7	B2/2500		
BH	(60°-80°)	2254.7	23.5	B3/2500		G3/2500
BVH	(80°-90°)	198.3	2.1			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°	87°
0°	437.4	437.4	437.4	437.4	437.4	437.4	437.4	437.4	437.4	437.4	437.4
2.5°	441.4	441.4	443.3	443.3	443.3	443.3	443.3	443.3	443.3	443.3	443.3
5°	449.2	449.2	449.2	451.2	451.2	451.2	451.2	451.2	449.2	449.2	449.2
7.5°	461.0	461.0	461.0	462.9	462.9	462.9	461.0	461.0	459.0	459.0	459.0
10°	476.7	476.7	478.6	478.6	476.7	476.7	474.7	472.8	474.7	472.8	472.8
12.5°	498.3	502.2	500.2	500.2	496.3	496.3	494.3	494.3	494.3	492.4	492.4
15°	529.6	529.6	531.6	527.7	527.7	521.8	519.8	517.9	519.8	519.8	517.9
17.5°	566.9	566.9	566.9	561.0	557.1	553.2	551.2	549.3	547.3	549.3	549.3
20°	623.8	619.9	612.0	608.1	598.3	594.4	590.5	588.5	586.5	586.5	586.5
22.5°	682.6	678.7	668.9	661.1	653.2	643.4	639.5	631.6	629.7	633.6	631.6
25°	739.5	745.4	733.7	723.8	718.0	702.3	692.5	690.5	686.6	684.6	686.6
27.5°	810.2	814.1	804.3	790.5	778.8	767.0	757.2	753.3	755.2	755.2	757.2
30°	888.6	896.5	880.8	872.9	855.3	839.6	831.7	835.7	839.6	845.5	843.5
32.5°	978.9	978.9	971.0	957.3	937.7	923.9	920.0	925.9	943.5	951.4	949.4
35°	1084.8	1076.9	1069.1	1051.4	1025.9	1018.1	1025.9	1045.6	1071.1	1084.8	1092.6
37.5°	1194.6	1178.9	1167.2	1147.6	1135.8	1131.9	1149.5	1186.8	1214.3	1239.8	1251.5
40°	1288.8	1288.8	1273.1	1251.5	1239.8	1257.4	1284.9	1337.8	1390.8	1418.3	1437.9
42.5°	1383.0	1394.7	1377.1	1359.4	1359.4	1383.0	1435.9	1518.3	1618.3	1677.2	1687.0
45°	1481.0	1502.6	1479.1	1467.3	1479.1	1526.2	1626.2	1785.1	1934.2	2030.3	2014.6
47.5°	1583.0	1602.7	1581.1	1575.2	1602.7	1687.0	1840.0	2044.0	2193.1	2293.2	2332.4
50°	1708.6	1694.9	1687.0	1685.0	1741.9	1867.5	2065.6	2285.3	2524.6	2614.9	2663.9
52.5°	1814.5	1791.0	1787.0	1800.8	1894.9	2046.0	2293.2	2697.2	3028.8	3252.4	3260.2
55°	1906.7	1881.2	1894.9	1928.3	2055.8	2265.7	2577.6	3050.3	3330.9	3497.6	3511.3
57.5°	1985.2	1971.4	1995.0	2040.1	2204.9	2456.0	2805.1	3195.5	3427.0	3560.4	3574.1
60°	2055.8	2053.8	2079.3	2155.8	2340.2	2567.8	2856.1	3205.3	3446.6	3566.3	3583.9
62.5°	2110.7	2122.5	2159.8	2230.4	2377.5	2556.0	2844.4	3246.5	3552.5	3709.5	3731.0
65°	2157.8	2169.6	2206.8	2230.4	2361.8	2532.5	2909.1	3274.0	3536.8	3699.6	3713.4
67.5°	2183.3	2197.0	2191.1	2195.1	2297.1	2430.5	2756.1	3070.0	3285.7	3434.8	3452.5
70°	2179.4	2167.6	2120.5	2071.5	2093.1	2187.2	2481.5	2744.3	2940.5	3058.2	3064.1
72.5°	2097.0	2077.4	1965.6	1851.8	1818.4	1881.2	2138.2	2336.3	2503.0	2610.9	2644.3
75°	1910.6	1871.4	1708.6	1561.5	1486.9	1534.0	1732.1	1904.7	2028.3	2134.3	2155.8
77.5°	1571.3	1547.7	1384.9	1224.1	1141.7	1173.1	1330.0	1432.0	1565.4	1675.2	1647.8
80°	1143.6	1139.7	1008.3	865.1	806.2	820.0	904.3	1004.4	1088.7	1171.1	1175.0
82.5°	747.4	735.6	647.3	543.4	482.6	490.4	543.4	596.3	676.8	729.7	745.4
85°	370.7	364.9	325.6	260.9	227.5	227.5	253.1	284.4	323.7	347.2	345.2
87.5°	102.0	92.2	90.2	66.7	54.9	58.8	58.8	64.7	82.4	88.3	94.2
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°	437.4
2.5°	443.3
5°	449.2
7.5°	459.0
10°	474.7
12.5°	492.4
15°	517.9
17.5°	547.3
20°	586.5
22.5°	635.6
25°	686.6
27.5°	755.2
30°	845.5
32.5°	951.4
35°	1088.7
37.5°	1241.7
40°	1430.0
42.5°	1677.2
45°	2032.3
47.5°	2312.8
50°	2638.4
52.5°	3272.0
55°	3515.2
57.5°	3578.0
60°	3585.9
62.5°	3721.2
65°	3729.1
67.5°	3438.7
70°	3073.9
72.5°	2640.4
75°	2171.5
77.5°	1677.2
80°	1173.1
82.5°	733.7
85°	343.3
87.5°	86.3
90°	0.0

(END OF REPORT)