

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: P198083

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198083
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-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9501 lumens
Efficiency: N/A
Efficacy: 88.0 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

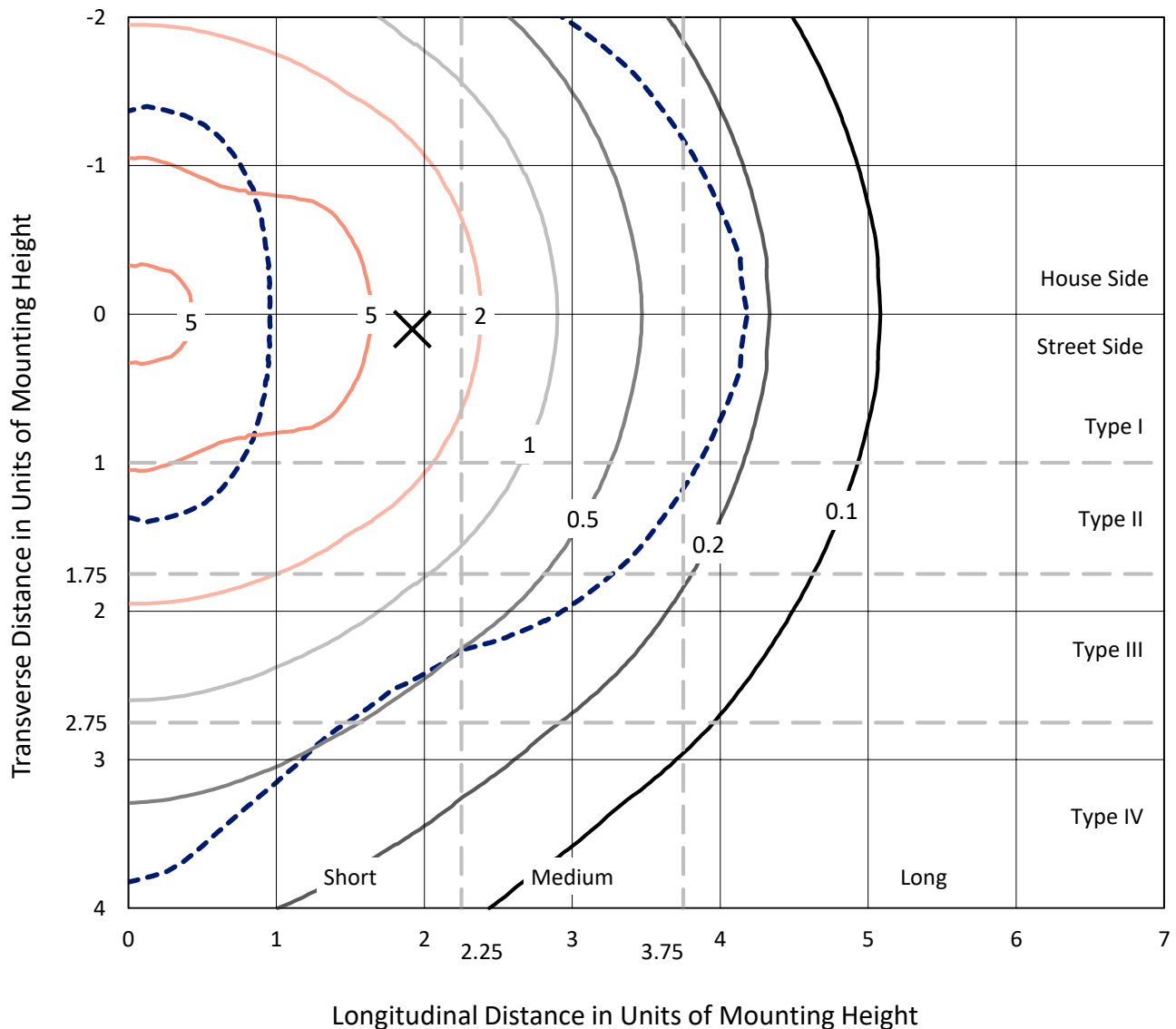


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

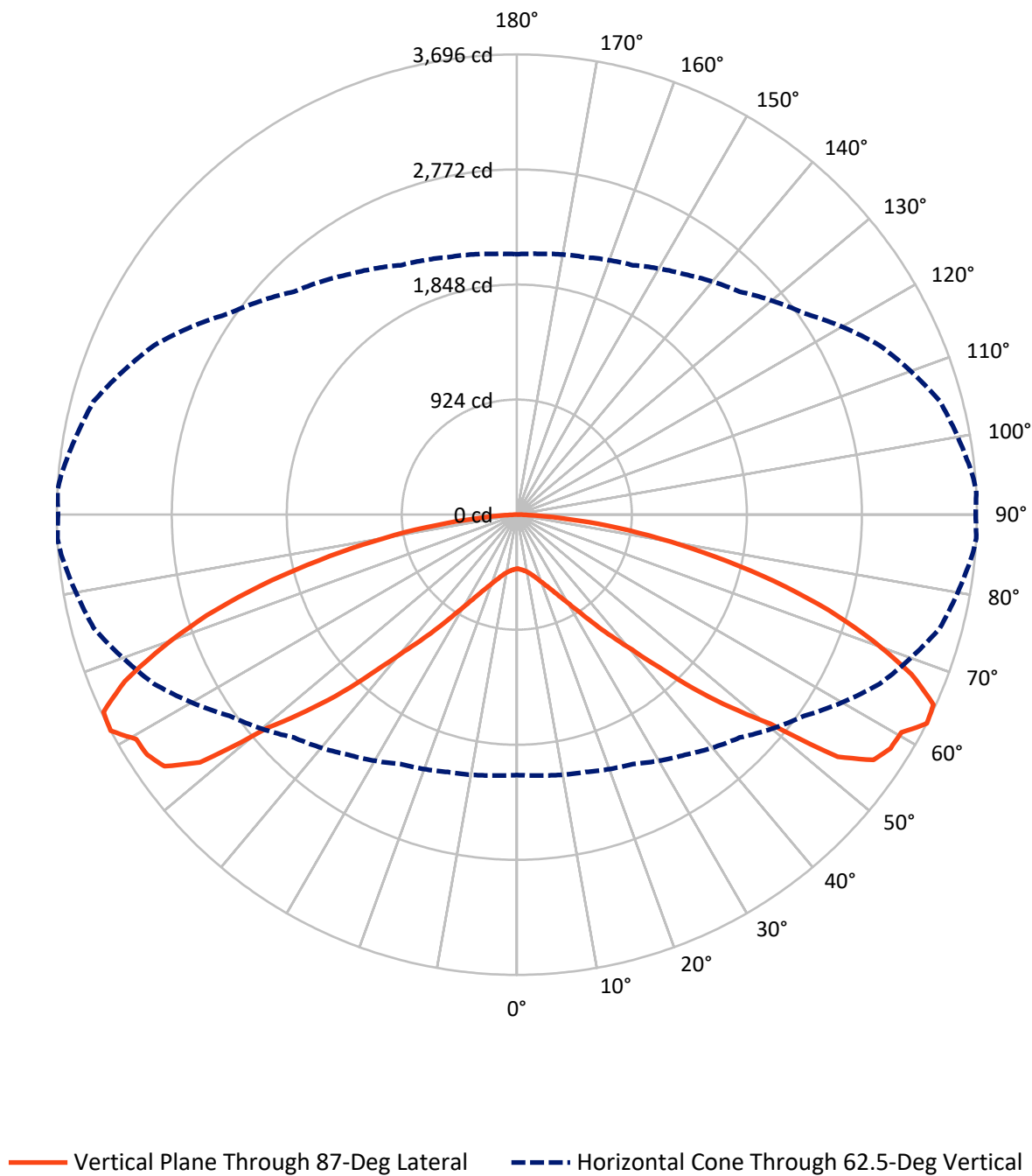


Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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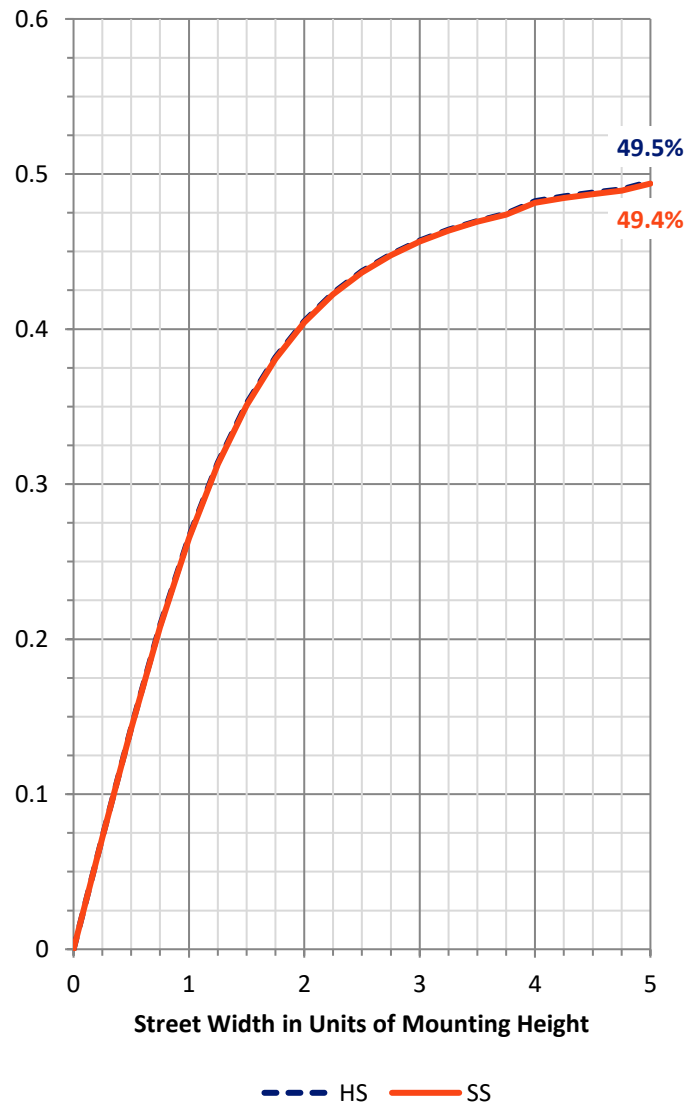
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4750.5	0.0	4750.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4750.5	0.0	4750.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9501.0	0.0	9501.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.4	0.5
10°-20°	150.1	1.6
20°-30°	331.1	3.5
30°-40°	666.9	7.0
40°-50°	1272.0	13.4
50°-60°	2178.0	22.9
60°-70°	2638.6	27.8
70°-80°	1828.1	19.2
80°-90°	392.9	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°	9501.0	100.0
0°-180°	9501.0	100.0

Coefficient of Utilization



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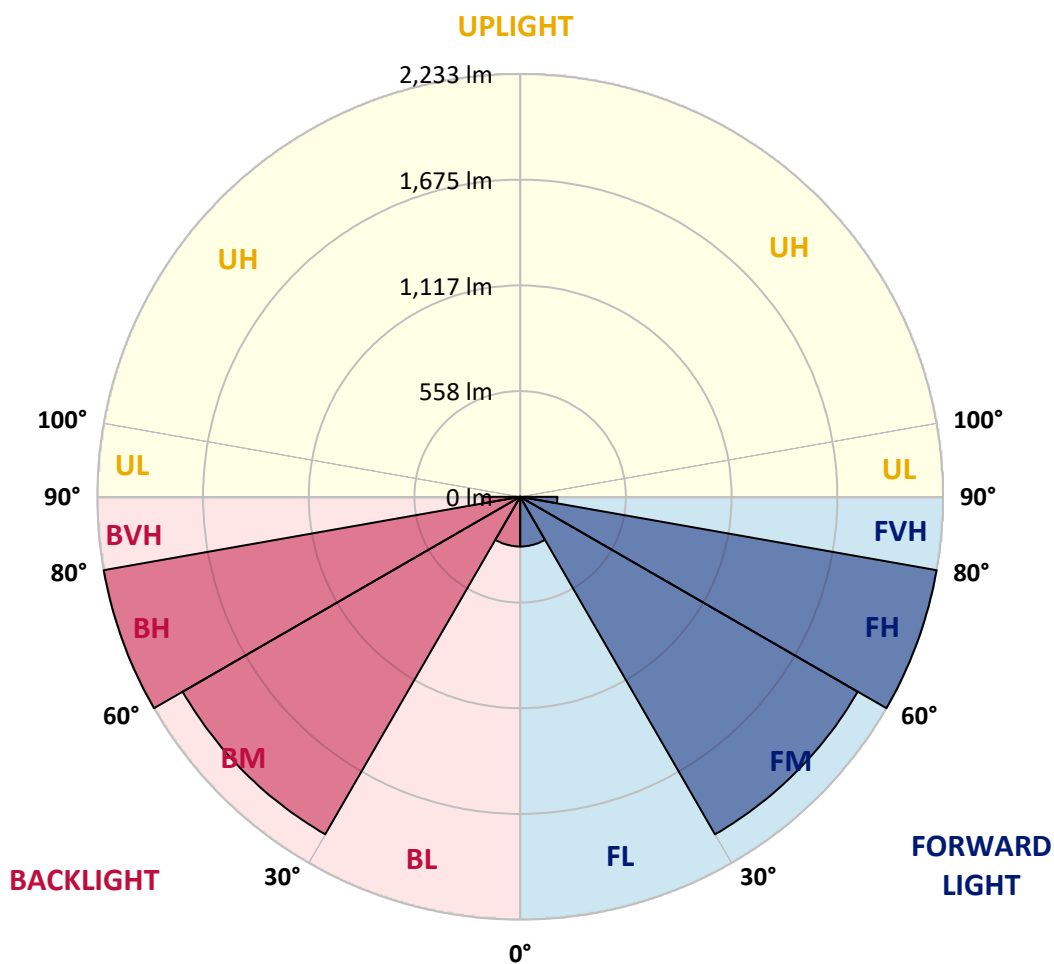
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	262.3	2.8			
FM	(30°-60°)	2058.4	21.7			
FH	(60°-80°)	2233.3	23.5			G2/5000
FVH	(80°-90°)	196.5	2.1			G2/225
BL	(0°-30°)	262.3	2.8	B1/500		
BM	(30°-60°)	2058.4	21.7	B2/2500		
BH	(60°-80°)	2233.3	23.5	B3/2500		G3/2500
BVH	(80°-90°)	196.5	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°	433.3	433.3	433.3	433.3	433.3	433.3	433.3	433.3	433.3	433.3	433.3
2.5°	437.2	437.2	439.1	439.1	439.1	439.1	439.1	439.1	439.1	439.1	439.1
5°	445.0	445.0	445.0	446.9	446.9	446.9	446.9	446.9	445.0	445.0	445.0
7.5°	456.6	456.6	456.6	458.6	458.6	458.6	456.6	456.6	454.7	454.7	454.7
10°	472.2	472.2	474.1	474.1	472.2	472.2	470.2	468.3	470.2	468.3	468.3
12.5°	493.5	497.4	495.5	495.5	491.6	491.6	489.7	489.7	489.7	487.7	487.7
15°	524.6	524.6	526.6	522.7	522.7	516.9	514.9	513.0	514.9	514.9	513.0
17.5°	561.5	561.5	561.5	555.7	551.8	547.9	546.0	544.1	542.1	544.1	544.1
20°	617.9	614.0	606.2	602.4	592.6	588.8	584.9	582.9	581.0	581.0	581.0
22.5°	676.2	672.3	662.6	654.8	647.0	637.3	633.4	625.7	623.7	627.6	625.7
25°	732.5	738.4	726.7	717.0	711.2	695.6	685.9	684.0	680.1	678.1	680.1
27.5°	802.5	806.4	796.7	783.1	771.4	759.7	750.0	746.1	748.1	748.1	750.0
30°	880.2	888.0	872.4	864.7	847.2	831.6	823.9	827.7	831.6	837.5	835.5
32.5°	969.6	969.6	961.8	948.2	928.8	915.2	911.3	917.1	934.6	942.4	940.4
35°	1074.5	1066.7	1059.0	1041.5	1016.2	1008.5	1016.2	1035.7	1060.9	1074.5	1082.3
37.5°	1183.3	1167.8	1156.1	1136.7	1125.0	1121.2	1138.6	1175.6	1202.8	1228.0	1239.7
40°	1276.6	1276.6	1261.1	1239.7	1228.0	1245.5	1272.7	1325.2	1377.6	1404.8	1424.3
42.5°	1369.9	1381.5	1364.0	1346.6	1346.6	1369.9	1422.3	1503.9	1603.0	1661.3	1671.0
45°	1467.0	1488.4	1465.1	1453.4	1465.1	1511.7	1610.8	1768.2	1915.9	2011.1	1995.5
47.5°	1568.1	1587.5	1566.1	1560.3	1587.5	1671.0	1822.6	2024.7	2172.4	2271.5	2310.3
50°	1692.4	1678.8	1671.0	1669.1	1725.5	1849.8	2046.1	2263.7	2500.7	2590.1	2638.7
52.5°	1797.3	1774.0	1770.1	1783.7	1877.0	2026.6	2271.5	2671.7	3000.1	3221.6	3229.4
55°	1888.7	1863.4	1877.0	1910.0	2036.3	2244.3	2553.2	3021.5	3299.3	3464.5	3478.1
57.5°	1966.4	1952.8	1976.1	2020.8	2184.0	2432.7	2778.6	3165.3	3394.6	3526.7	3540.3
60°	2036.3	2034.4	2059.7	2135.4	2318.1	2543.5	2829.1	3175.0	3414.0	3532.5	3550.0
62.5°	2090.7	2102.4	2139.3	2209.3	2355.0	2531.8	2817.5	3215.8	3518.9	3674.4	3695.7
65°	2137.4	2149.0	2186.0	2209.3	2339.5	2508.5	2881.6	3243.0	3503.4	3664.6	3678.2
67.5°	2162.6	2176.2	2170.4	2174.3	2275.3	2407.5	2730.0	3040.9	3254.6	3402.3	3419.8
70°	2158.8	2147.1	2100.5	2051.9	2073.3	2166.5	2458.0	2718.4	2912.7	3029.3	3035.1
72.5°	2077.1	2057.7	1947.0	1834.3	1801.2	1863.4	2118.0	2314.2	2479.4	2586.2	2619.3
75°	1892.6	1853.7	1692.4	1546.7	1472.9	1519.5	1715.7	1886.7	2009.1	2114.1	2135.4
77.5°	1556.4	1533.1	1371.8	1212.5	1130.9	1162.0	1317.4	1418.4	1550.6	1659.4	1632.2
80°	1132.8	1128.9	998.7	856.9	798.6	812.2	895.8	994.9	1078.4	1160.0	1163.9
82.5°	740.3	728.7	641.2	538.2	478.0	485.8	538.2	590.7	670.4	722.8	738.4
85°	367.2	361.4	322.6	258.4	225.4	225.4	250.7	281.7	320.6	343.9	342.0
87.5°	101.0	91.3	89.4	66.1	54.4	58.3	58.3	64.1	81.6	87.4	93.3
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°	433.3
2.5°	439.1
5°	445.0
7.5°	454.7
10°	470.2
12.5°	487.7
15°	513.0
17.5°	542.1
20°	581.0
22.5°	629.6
25°	680.1
27.5°	748.1
30°	837.5
32.5°	942.4
35°	1078.4
37.5°	1230.0
40°	1416.5
42.5°	1661.3
45°	2013.0
47.5°	2290.9
50°	2613.4
52.5°	3241.0
55°	3482.0
57.5°	3544.2
60°	3551.9
62.5°	3686.0
65°	3693.8
67.5°	3406.2
70°	3044.8
72.5°	2615.4
75°	2151.0
77.5°	1661.3
80°	1162.0
82.5°	726.7
85°	340.0
87.5°	85.5
90°	0.0

(END OF REPORT)