

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: P198154

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198154
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
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS
Light Source: (160) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9429.6 lumens
Efficiency: N/A
Efficacy: 87.3 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



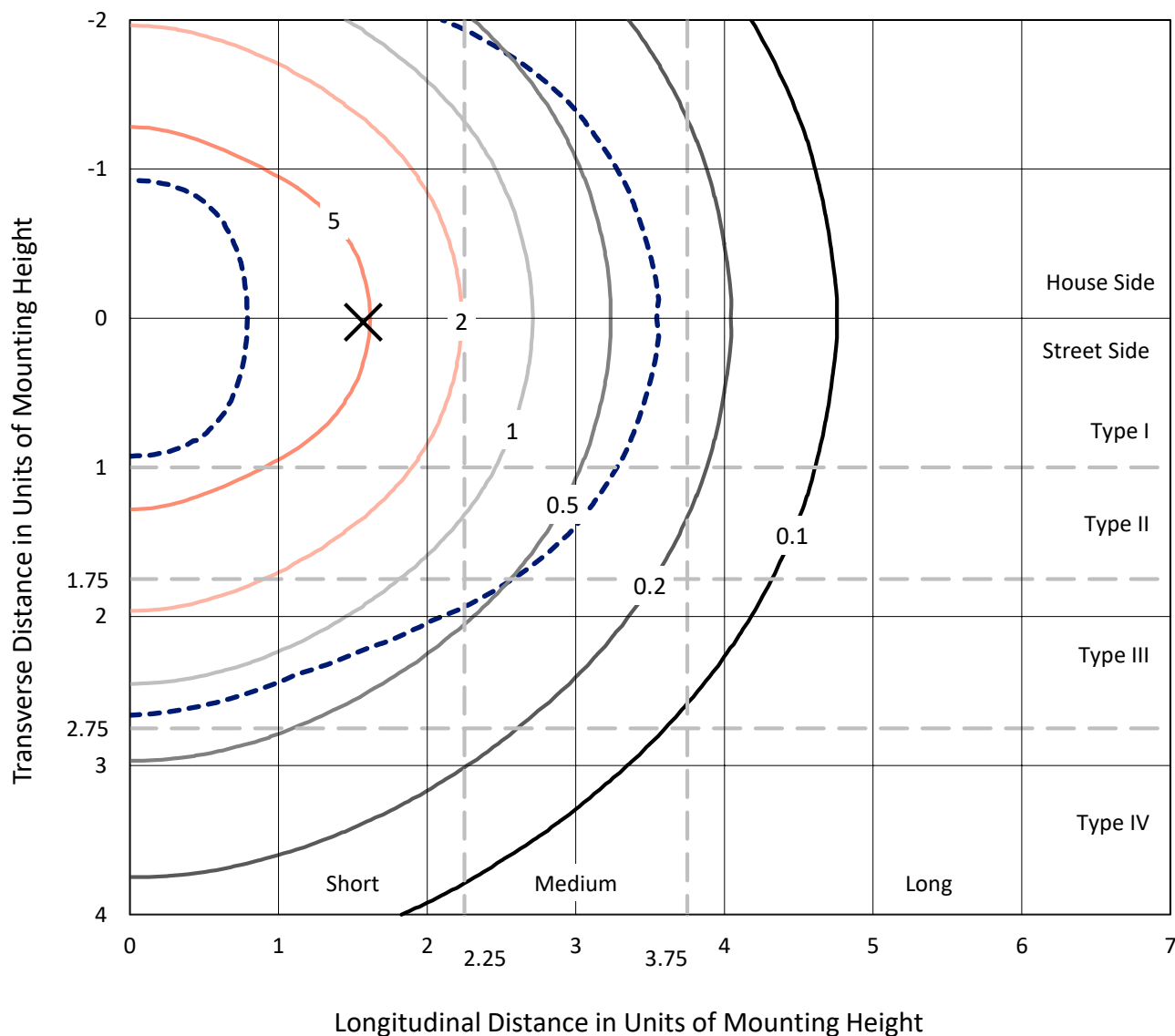
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

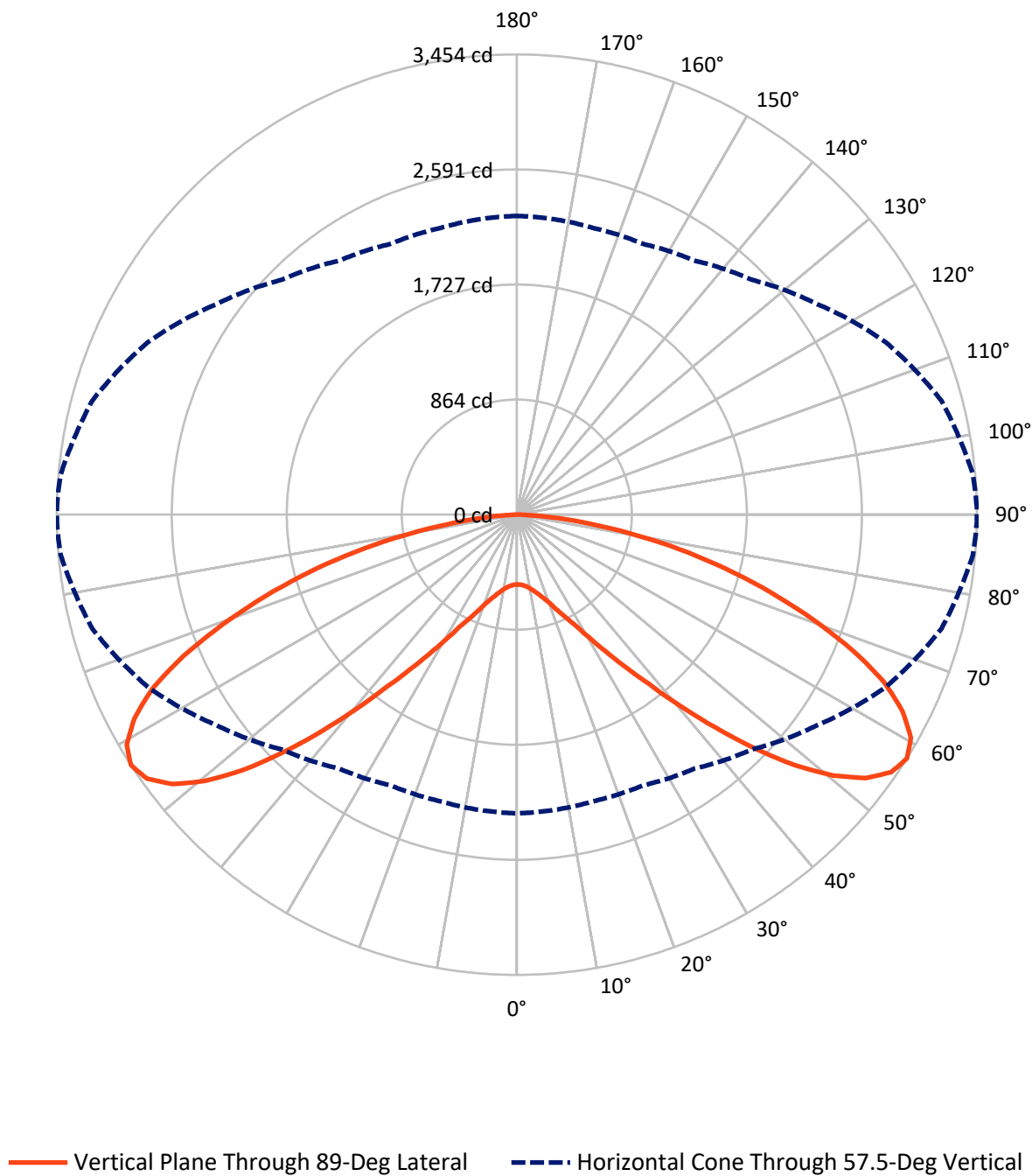


Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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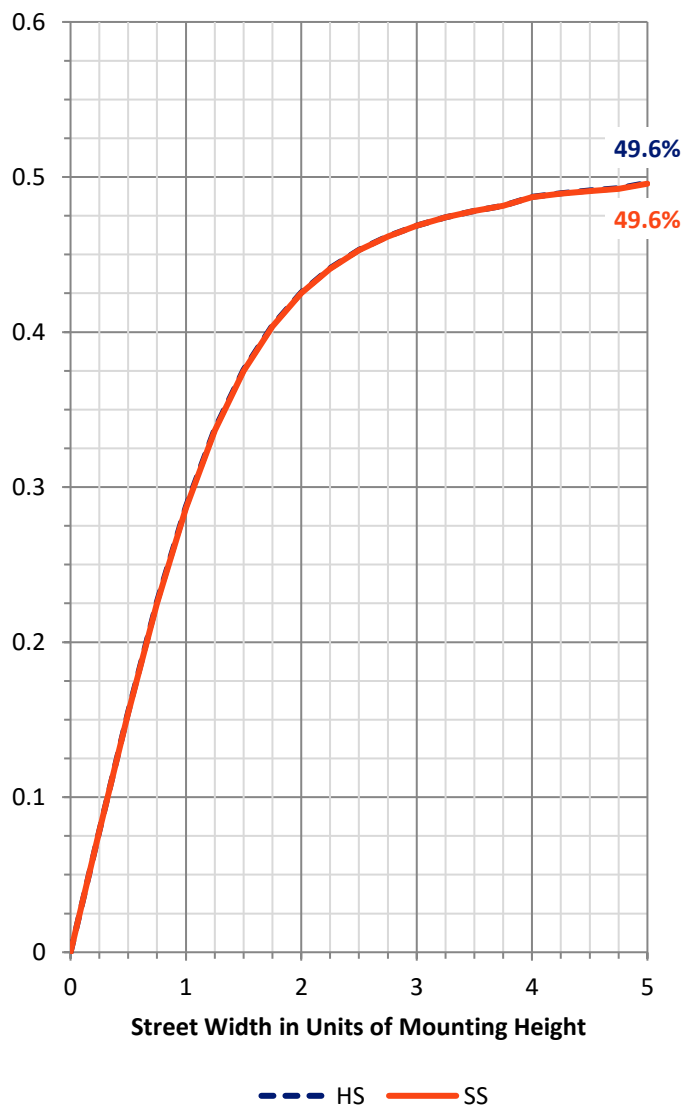
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4714.8	0.0	4714.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4714.8	0.0	4714.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	9429.6	0.0	9429.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.0	0.6
10°-20°	181.6	1.9
20°-30°	406.7	4.3
30°-40°	841.7	8.9
40°-50°	1597.8	16.9
50°-60°	2338.0	24.8
60°-70°	2330.9	24.7
70°-80°	1387.4	14.7
80°-90°	293.4	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°	9429.6	100.0
0°-180°	9429.6	100.0

Coefficient of Utilization



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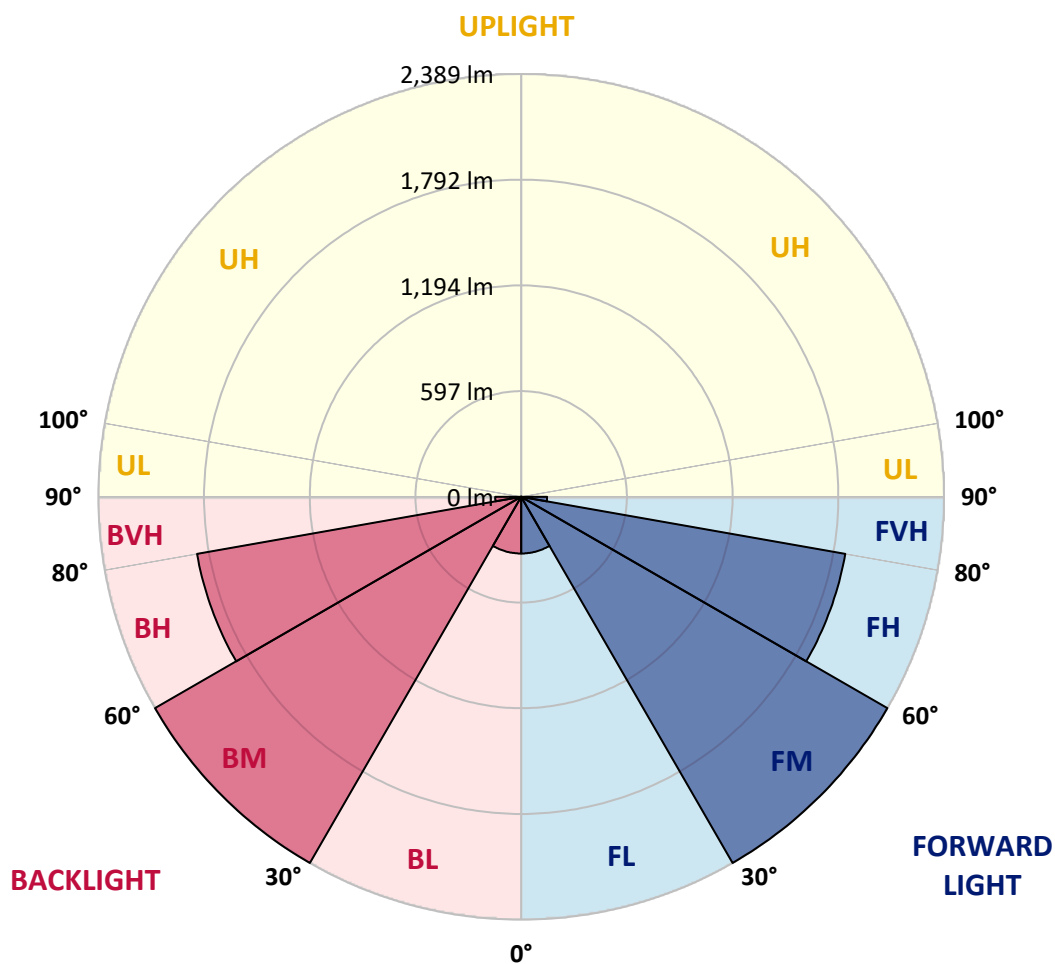
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	320.1	3.4			
FM	(30°-60°)	2388.8	25.3			
FH	(60°-80°)	1859.2	19.7			G2/5000
FVH	(80°-90°)	146.7	1.6			G2/225
BL	(0°-30°)	320.1	3.4	B1/500		
BM	(30°-60°)	2388.8	25.3	B2/2500		
BH	(60°-80°)	1859.2	19.7	B3/2500		G3/2500
BVH	(80°-90°)	146.7	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°	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	527.7	527.7	527.7	527.7	525.7	525.7	525.7	525.7	525.7	525.7	525.7
5°	535.5	535.5	533.6	535.5	533.6	533.6	533.6	533.6	533.6	533.6	533.6
7.5°	547.3	547.3	547.3	547.3	547.3	547.3	545.3	547.3	545.3	545.3	545.3
10°	568.9	566.9	568.9	566.9	566.9	565.0	565.0	565.0	565.0	565.0	565.0
12.5°	596.3	596.3	596.3	594.4	592.4	592.4	590.5	590.5	590.5	588.5	590.5
15°	633.6	635.6	629.7	627.7	627.7	623.8	621.8	623.8	621.8	619.9	621.8
17.5°	678.7	680.7	676.8	672.8	668.9	667.0	665.0	663.0	663.0	663.0	661.1
20°	737.6	737.6	733.7	725.8	719.9	716.0	716.0	714.0	714.0	716.0	710.1
22.5°	804.3	802.3	798.4	794.5	786.6	778.8	774.8	772.9	772.9	776.8	778.8
25°	886.7	888.6	876.9	869.0	861.2	847.4	845.5	847.4	849.4	849.4	853.3
27.5°	971.0	974.9	965.1	953.4	941.6	935.7	931.8	935.7	939.6	945.5	943.5
30°	1071.1	1069.1	1067.1	1049.5	1035.7	1029.9	1033.8	1045.6	1055.4	1069.1	1071.1
32.5°	1178.9	1182.9	1169.1	1155.4	1149.5	1143.6	1149.5	1175.0	1202.5	1210.3	1220.1
35°	1306.4	1298.6	1290.8	1280.9	1271.1	1271.1	1300.6	1330.0	1373.1	1402.6	1402.6
37.5°	1435.9	1430.0	1416.3	1402.6	1402.6	1422.2	1451.6	1524.2	1587.0	1630.1	1612.5
40°	1569.3	1561.5	1557.5	1541.8	1543.8	1590.9	1653.7	1743.9	1834.1	1894.9	1883.2
42.5°	1704.7	1706.6	1692.9	1687.0	1704.7	1757.6	1867.5	1989.1	2102.9	2179.4	2181.3
45°	1843.9	1843.9	1834.1	1830.2	1863.6	1944.0	2081.3	2248.0	2401.0	2489.3	2499.1
47.5°	1971.4	1969.5	1961.6	1959.7	2016.6	2112.7	2285.3	2499.1	2687.4	2785.5	2811.0
50°	2081.3	2083.3	2071.5	2081.3	2132.3	2259.8	2467.7	2726.7	2942.5	3066.0	3077.8
52.5°	2167.6	2169.6	2155.8	2163.7	2232.3	2379.5	2610.9	2901.3	3136.7	3268.1	3283.8
55°	2226.5	2218.6	2208.8	2220.6	2299.0	2461.9	2714.9	3017.0	3262.2	3399.5	3411.3
57.5°	2242.1	2236.3	2226.5	2242.1	2326.5	2493.2	2754.1	3058.2	3301.4	3438.7	3454.4
60°	2218.6	2218.6	2206.8	2224.5	2308.8	2471.7	2726.7	3020.9	3252.4	3377.9	3399.5
62.5°	2157.8	2157.8	2144.1	2157.8	2238.2	2389.3	2632.5	2905.2	3115.1	3224.9	3250.4
65°	2044.0	2042.1	2034.2	2038.1	2104.8	2248.0	2469.7	2716.9	2899.3	2997.4	3030.7
67.5°	1879.2	1873.4	1865.5	1873.4	1922.4	2049.9	2253.9	2469.7	2620.7	2714.9	2722.7
70°	1669.4	1663.5	1653.7	1649.7	1700.7	1802.7	1967.5	2157.8	2283.3	2352.0	2359.8
72.5°	1420.2	1428.1	1420.2	1408.5	1441.8	1532.0	1669.4	1814.5	1918.5	1981.3	1991.1
75°	1175.0	1177.0	1157.4	1153.4	1178.9	1235.8	1347.6	1459.5	1549.7	1602.7	1618.3
77.5°	910.2	910.2	892.5	882.7	896.5	945.5	1022.0	1112.2	1186.8	1220.1	1247.6
80°	655.2	655.2	639.5	616.0	629.7	655.2	723.8	772.9	831.7	869.0	872.9
82.5°	410.0	404.1	408.0	390.4	394.3	402.1	445.3	478.6	513.9	533.6	535.5
85°	213.8	206.0	202.0	192.2	186.4	200.1	219.7	243.2	251.1	268.7	262.9
87.5°	66.7	62.8	60.8	60.8	54.9	58.8	60.8	64.7	74.5	74.5	78.5
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°	523.8
2.5°	525.7
5°	533.6
7.5°	545.3
10°	565.0
12.5°	588.5
15°	621.8
17.5°	663.0
20°	710.1
22.5°	772.9
25°	849.4
27.5°	939.6
30°	1069.1
32.5°	1214.3
35°	1390.8
37.5°	1632.1
40°	1881.2
42.5°	2195.1
45°	2499.1
47.5°	2811.0
50°	3071.9
52.5°	3277.9
55°	3417.2
57.5°	3454.4
60°	3393.6
62.5°	3244.5
65°	3026.8
67.5°	2722.7
70°	2371.6
72.5°	1985.2
75°	1600.7
77.5°	1239.8
80°	872.9
82.5°	551.2
85°	262.9
87.5°	84.4
90°	0.0

(END OF REPORT)