

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: P198060

Luminaire Tested: **TT-C6-LED-E1-RW-CG-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198060
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34696)
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-MS/DIM-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8817.1 lumens
Efficiency: N/A
Efficacy: 81.6 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



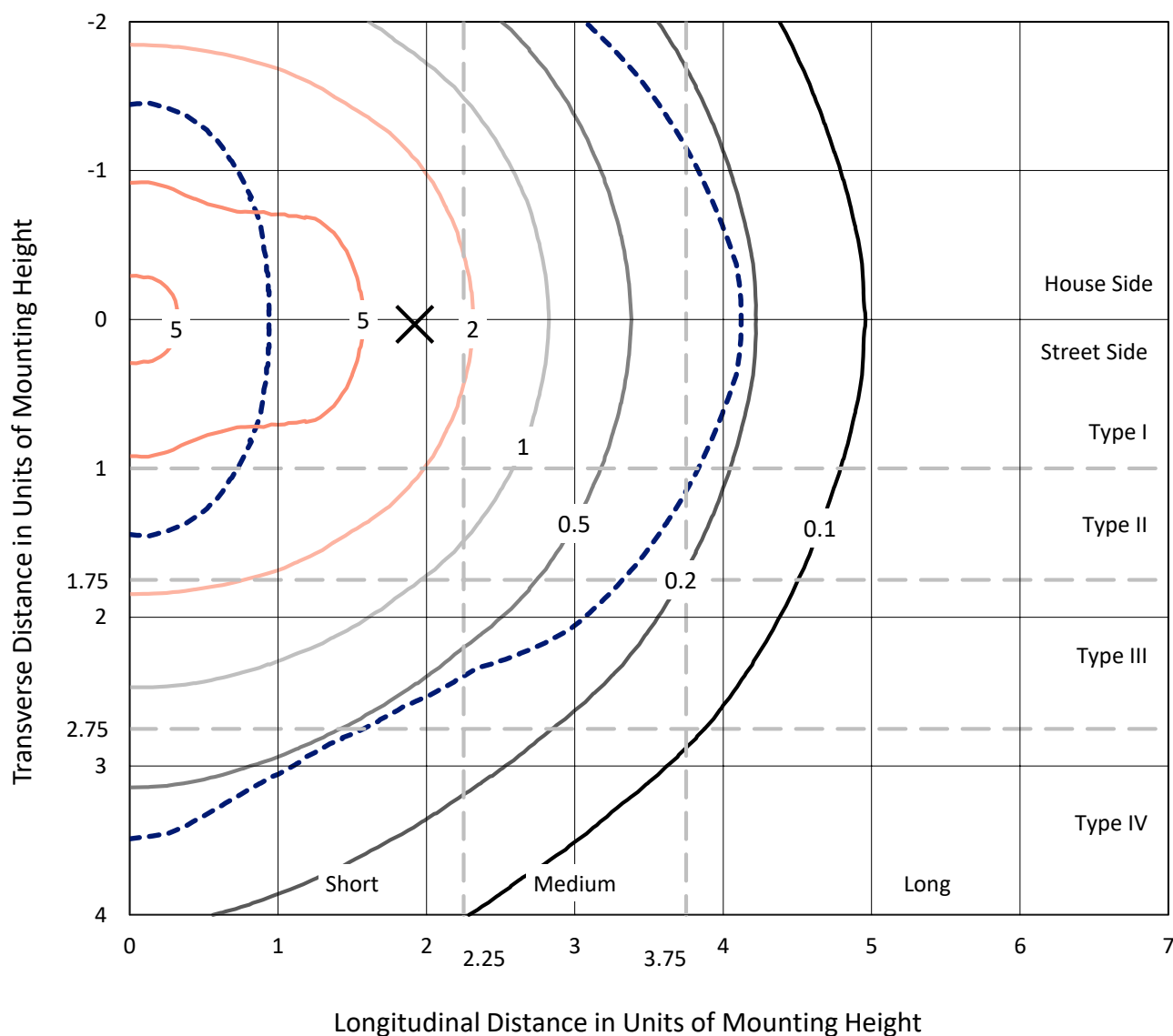
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

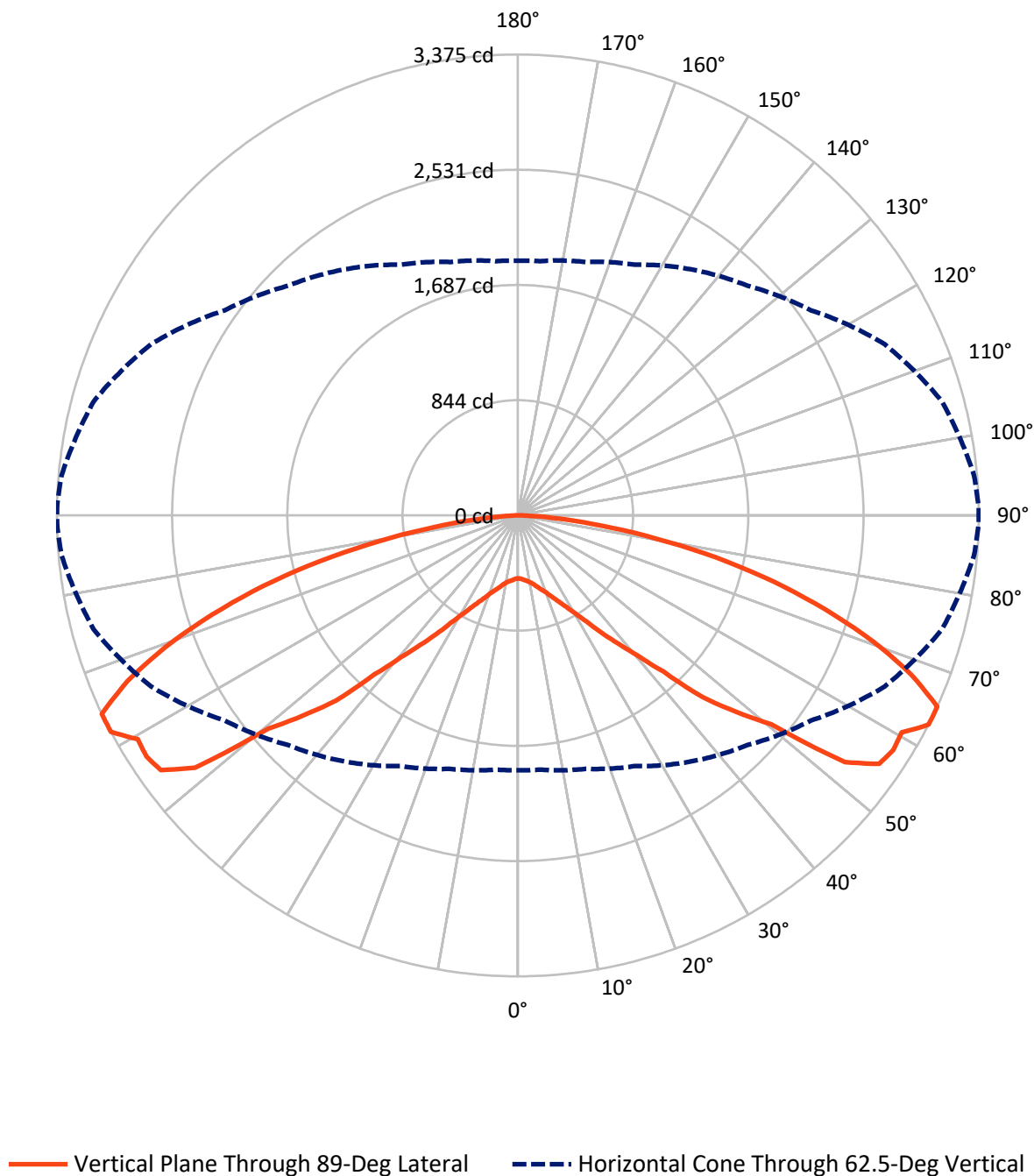


Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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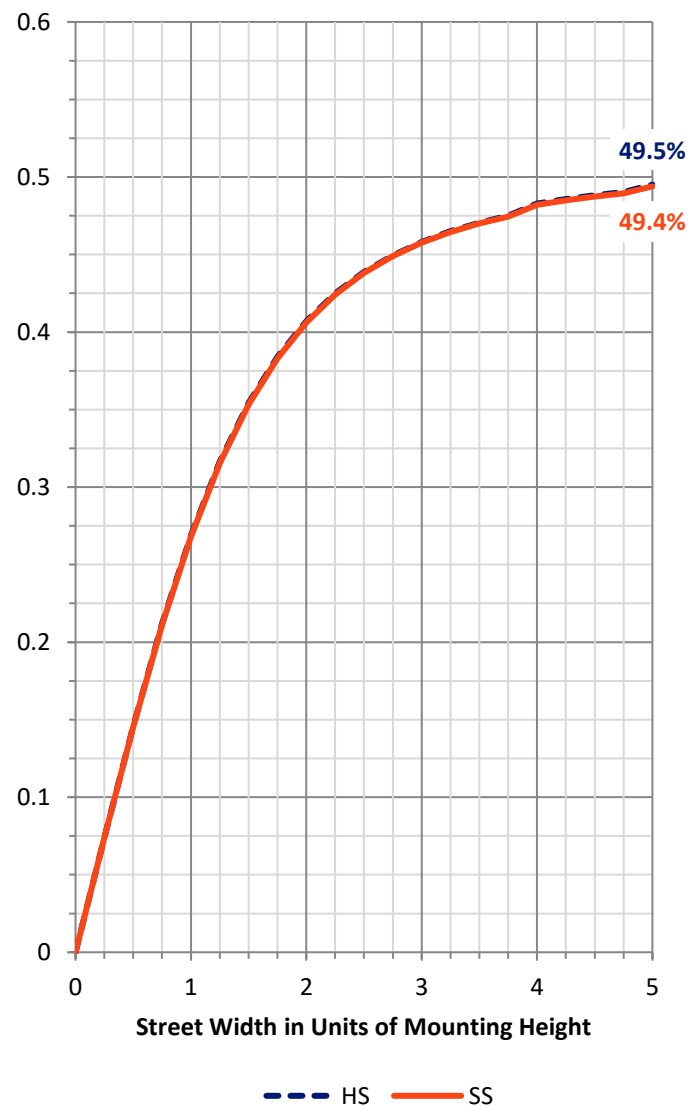
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4408.6	0.0	4408.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4408.6	0.0	4408.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	8817.1	0.0	8817.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.0	0.5
10°-20°	156.9	1.8
20°-30°	333.7	3.8
30°-40°	641.3	7.3
40°-50°	1187.3	13.5
50°-60°	2005.7	22.7
60°-70°	2422.4	27.5
70°-80°	1667.8	18.9
80°-90°	355.8	4.0
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°	8817.1	100.0
0°-180°	8817.1	100.0

Coefficient of Utilization



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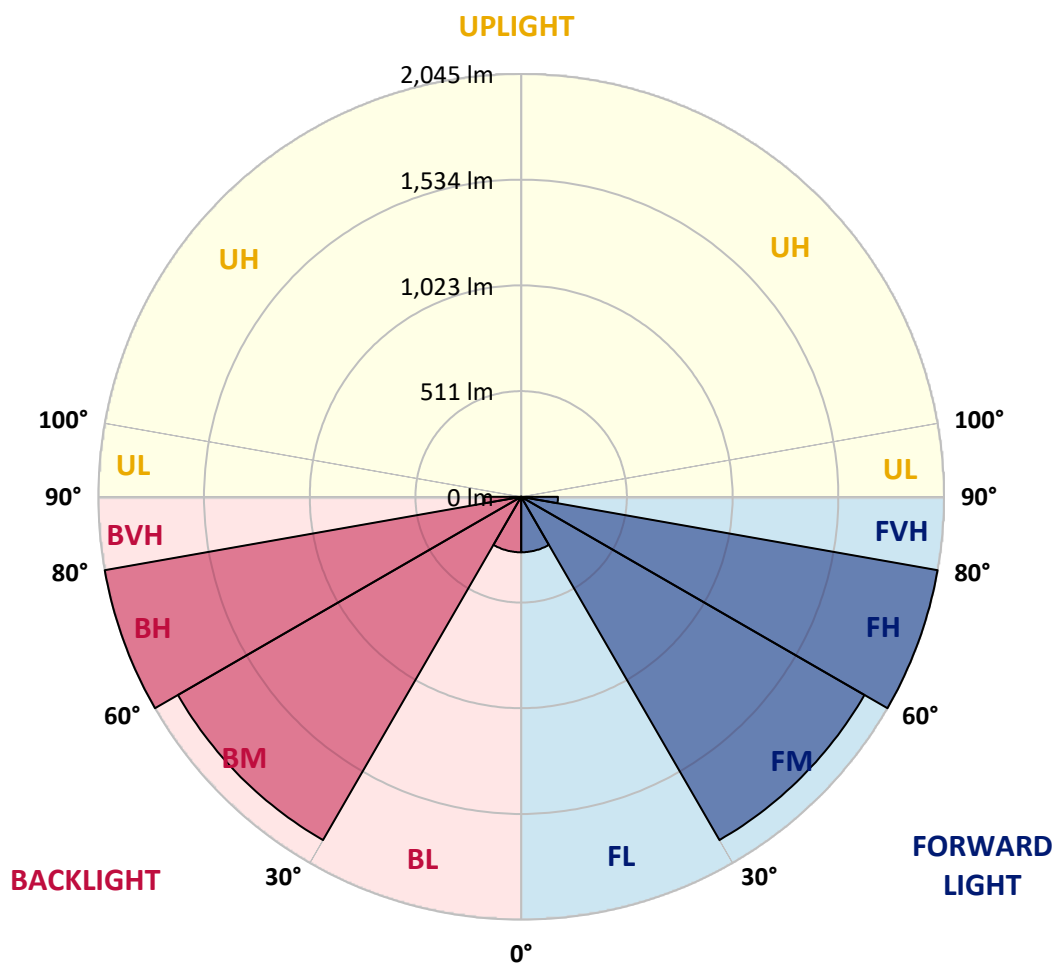
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	268.3	3.0			
FM	(30°-60°)	1917.2	21.7			
FH	(60°-80°)	2045.1	23.2			G2/5000
FVH	(80°-90°)	177.9	2.0			G2/225
BL	(0°-30°)	268.3	3.0	B1/500		
BM	(30°-60°)	1917.2	21.7	B2/2500		
BH	(60°-80°)	2045.1	23.2	B3/2500		G3/2500
BVH	(80°-90°)	177.9	2.0			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°	89°
0°	460.9	460.9	460.9	460.9	460.9	460.9	460.9	460.9	460.9	460.9	460.9
2.5°	464.7	464.7	464.7	464.7	466.7	466.7	466.7	466.7	466.7	466.7	464.7
5°	472.5	470.5	472.5	474.4	474.4	476.3	476.3	476.3	476.3	474.4	474.4
7.5°	482.1	482.1	484.0	486.0	487.9	486.0	486.0	484.0	484.0	484.0	484.0
10°	499.5	497.5	499.5	501.4	499.5	499.5	499.5	499.5	499.5	499.5	497.5
12.5°	518.7	518.7	518.7	518.7	516.8	518.7	516.8	518.7	518.7	518.7	516.8
15°	545.7	545.7	545.7	543.8	541.9	541.9	541.9	541.9	541.9	541.9	543.8
17.5°	582.4	580.4	578.5	574.7	572.7	570.8	570.8	570.8	572.7	572.7	572.7
20°	624.8	620.9	617.1	615.2	613.2	609.4	607.4	609.4	611.3	611.3	605.5
22.5°	676.9	671.1	665.3	663.4	655.7	653.7	651.8	649.9	649.9	651.8	649.9
25°	725.1	727.0	721.2	711.6	709.7	705.8	700.0	701.9	700.0	701.9	700.0
27.5°	784.9	788.7	782.9	773.3	767.5	761.7	757.9	757.9	759.8	765.6	759.8
30°	852.4	854.3	848.5	840.8	831.1	823.4	821.5	831.1	831.1	838.9	835.0
32.5°	923.7	921.8	914.1	912.1	900.6	900.6	902.5	910.2	923.7	929.5	927.6
35°	1010.5	998.9	997.0	989.3	979.6	979.6	991.2	1010.5	1035.6	1051.0	1052.9
37.5°	1089.5	1085.7	1083.8	1072.2	1066.4	1078.0	1101.1	1135.8	1157.0	1187.9	1187.9
40°	1170.5	1180.2	1170.5	1159.0	1164.8	1182.1	1220.7	1265.0	1313.2	1346.0	1346.0
42.5°	1249.6	1267.0	1257.3	1247.7	1263.1	1303.6	1351.8	1427.0	1523.4	1565.9	1563.9
45°	1334.5	1348.0	1338.3	1340.2	1373.0	1423.2	1515.7	1677.7	1812.7	1899.5	1901.4
47.5°	1427.0	1428.9	1423.2	1432.8	1481.0	1577.4	1702.8	1901.4	2034.5	2138.6	2146.3
50°	1519.6	1509.9	1508.0	1531.2	1617.9	1739.4	1918.8	2111.6	2321.8	2398.9	2404.7
52.5°	1602.5	1590.9	1598.6	1637.2	1751.0	1901.4	2125.1	2452.9	2757.6	2985.2	3000.6
55°	1681.6	1668.1	1687.4	1749.1	1899.5	2102.0	2381.6	2790.4	3048.8	3197.3	3210.8
57.5°	1749.1	1745.2	1776.1	1853.2	2038.3	2285.2	2591.8	2925.4	3116.3	3228.1	3241.6
60°	1816.6	1816.6	1857.1	1957.3	2163.7	2389.3	2632.3	2923.5	3120.2	3214.6	3228.1
62.5°	1864.8	1868.6	1920.7	2024.8	2200.3	2377.7	2618.8	2964.0	3216.6	3353.5	3374.7
65°	1891.8	1899.5	1955.4	2024.8	2184.9	2366.2	2705.5	2996.7	3205.0	3349.6	3374.7
67.5°	1895.6	1911.0	1938.0	1990.1	2125.1	2279.4	2566.7	2803.9	2977.5	3087.4	3104.7
70°	1878.3	1872.5	1870.6	1884.0	1951.5	2063.4	2316.0	2503.1	2674.7	2744.1	2757.6
72.5°	1791.5	1789.6	1722.1	1679.6	1697.0	1774.1	1997.8	2142.5	2254.3	2343.0	2352.7
75°	1617.9	1602.5	1490.7	1403.9	1386.5	1455.9	1623.7	1729.8	1830.1	1913.0	1934.2
77.5°	1349.9	1311.3	1197.5	1095.3	1062.5	1114.6	1240.0	1313.2	1386.5	1482.9	1482.9
80°	979.6	960.3	862.0	779.1	746.3	777.1	865.9	896.7	935.3	1022.1	1024.0
82.5°	632.5	611.3	545.7	493.7	464.7	484.0	520.7	534.2	567.0	619.0	617.1
85°	308.5	308.5	275.8	246.8	219.8	223.7	246.8	254.5	281.5	295.0	291.2
87.5°	77.1	84.8	75.2	69.4	61.7	61.7	69.4	69.4	84.8	84.8	81.0
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°	460.9
2.5°	464.7
5°	474.4
7.5°	484.0
10°	497.5
12.5°	518.7
15°	541.9
17.5°	574.7
20°	611.3
22.5°	649.9
25°	700.0
27.5°	765.6
30°	838.9
32.5°	925.6
35°	1045.2
37.5°	1187.9
40°	1348.0
42.5°	1565.9
45°	1905.3
47.5°	2138.6
50°	2398.9
52.5°	2991.0
55°	3208.9
57.5°	3243.6
60°	3232.0
62.5°	3374.7
65°	3370.8
67.5°	3100.9
70°	2763.4
72.5°	2368.1
75°	1941.9
77.5°	1473.3
80°	1064.5
82.5°	620.9
85°	295.0
87.5°	88.7
90°	0.0

(END OF REPORT)