

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: P198081

Luminaire Tested: **TT-C6-LED-E1-RW-CG-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198081
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-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7233.9 lumens
Efficiency: N/A
Efficacy: 67.0 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



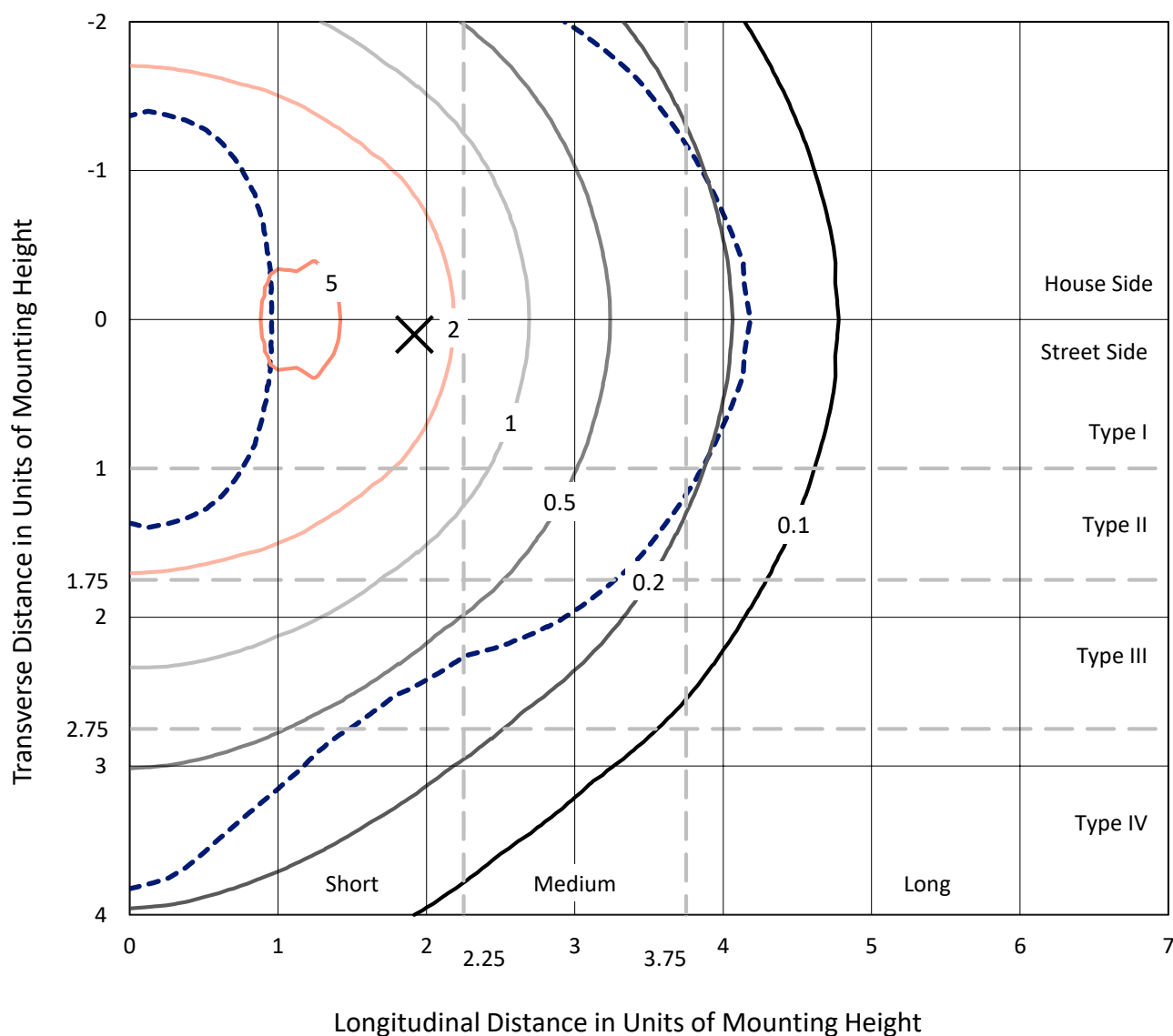
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

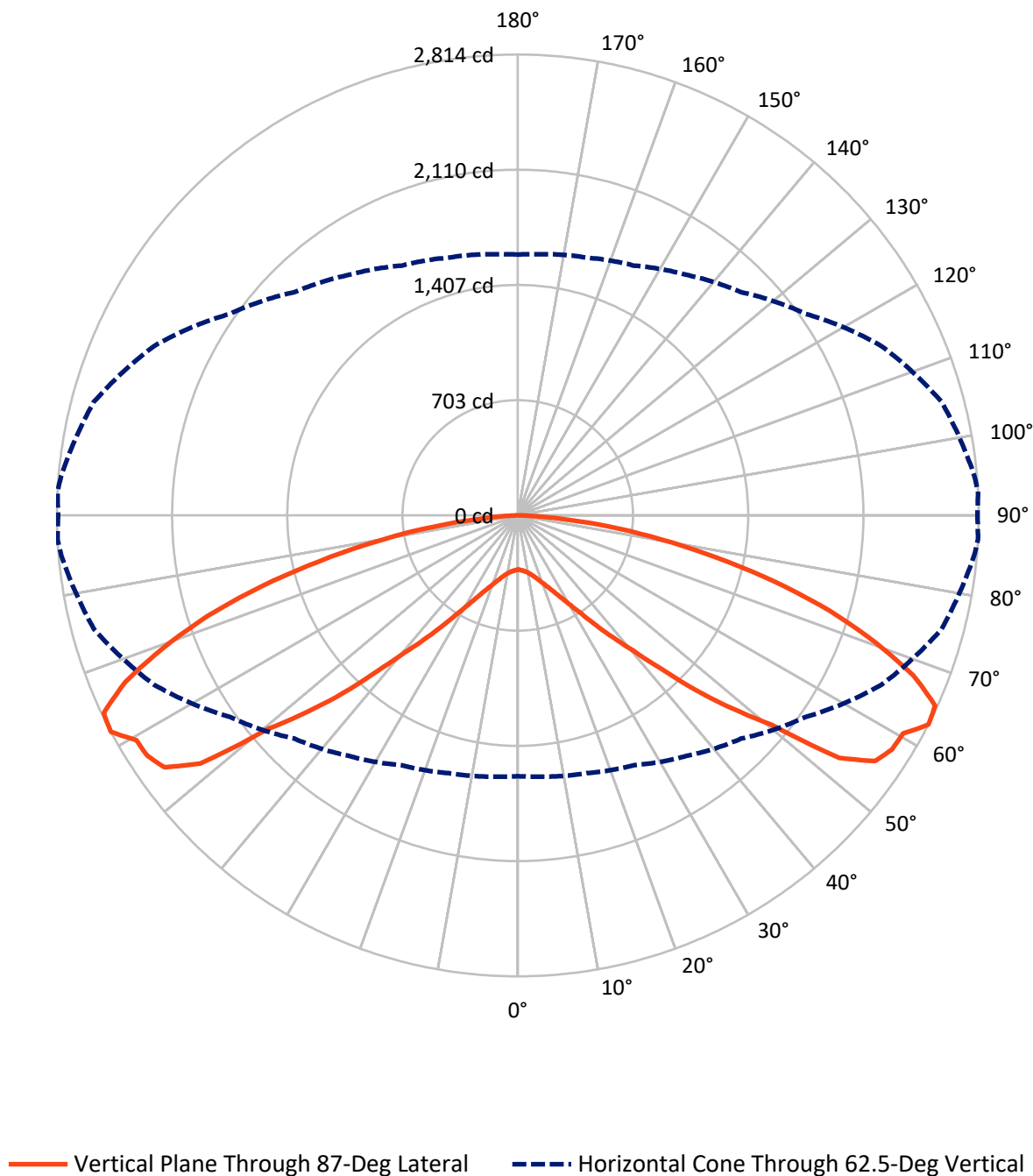


Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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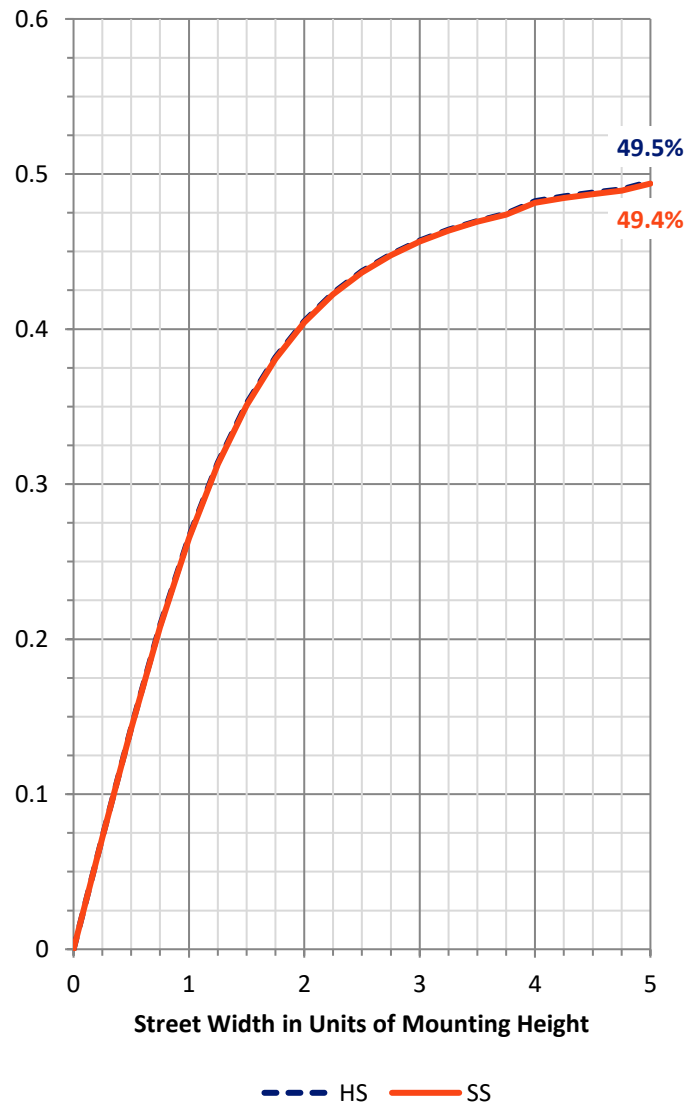
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3616.9	0.0	3616.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3616.9	0.0	3616.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	7233.9	0.0	7233.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.0	0.5
10°-20°	114.3	1.6
20°-30°	252.1	3.5
30°-40°	507.7	7.0
40°-50°	968.5	13.4
50°-60°	1658.3	22.9
60°-70°	2008.9	27.8
70°-80°	1391.9	19.2
80°-90°	299.2	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°	7233.9	100.0
0°-180°	7233.9	100.0

Coefficient of Utilization



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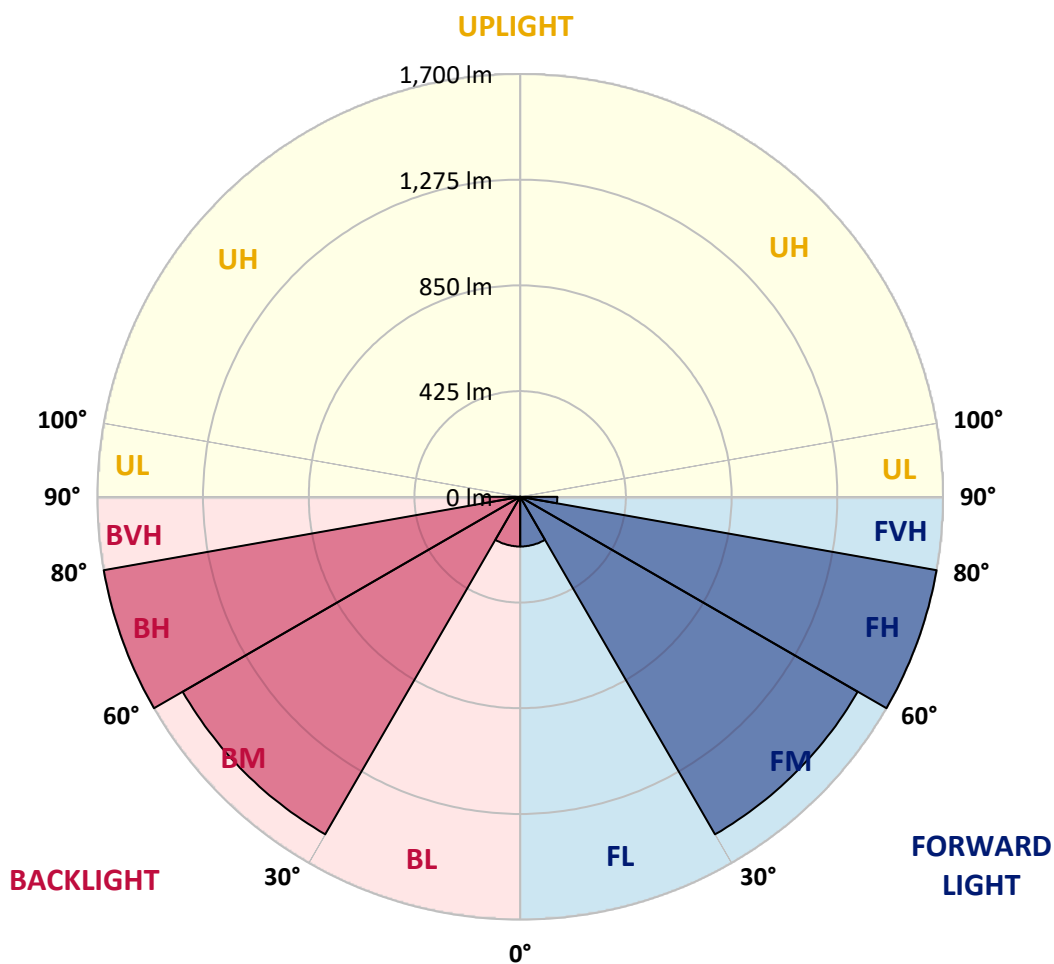
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	199.7	2.8			
FM	(30°-60°)	1567.2	21.7			
FH	(60°-80°)	1700.4	23.5			G1/1800
FVH	(80°-90°)	149.6	2.1			G2/225
BL	(0°-30°)	199.7	2.8	B1/500		
BM	(30°-60°)	1567.2	21.7	B2/2500		
BH	(60°-80°)	1700.4	23.5	B3/2500		G3/2500
BVH	(80°-90°)	149.6	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°	329.9	329.9	329.9	329.9	329.9	329.9	329.9	329.9	329.9	329.9	329.9
2.5°	332.9	332.9	334.3	334.3	334.3	334.3	334.3	334.3	334.3	334.3	334.3
5°	338.8	338.8	338.8	340.3	340.3	340.3	340.3	340.3	338.8	338.8	338.8
7.5°	347.7	347.7	347.7	349.1	349.1	349.1	347.7	347.7	346.2	346.2	346.2
10°	359.5	359.5	361.0	361.0	359.5	359.5	358.0	356.5	358.0	356.5	356.5
12.5°	375.8	378.7	377.3	377.3	374.3	374.3	372.8	372.8	372.8	371.3	371.3
15°	399.4	399.4	400.9	398.0	398.0	393.5	392.0	390.6	392.0	392.0	390.6
17.5°	427.6	427.6	427.6	423.1	420.2	417.2	415.7	414.2	412.8	414.2	414.2
20°	470.5	467.5	461.6	458.6	451.2	448.3	445.3	443.8	442.3	442.3	442.3
22.5°	514.8	511.9	504.5	498.6	492.6	485.3	482.3	476.4	474.9	477.9	476.4
25°	557.7	562.2	553.3	545.9	541.5	529.6	522.2	520.8	517.8	516.3	517.8
27.5°	611.0	614.0	606.6	596.2	587.3	578.5	571.1	568.1	569.6	569.6	571.1
30°	670.2	676.1	664.3	658.3	645.0	633.2	627.3	630.2	633.2	637.6	636.2
32.5°	738.2	738.2	732.3	722.0	707.2	696.8	693.8	698.3	711.6	717.5	716.0
35°	818.1	812.2	806.3	793.0	773.7	767.8	773.7	788.5	807.8	818.1	824.0
37.5°	901.0	889.1	880.3	865.5	856.6	853.6	866.9	895.0	915.8	935.0	943.9
40°	972.0	972.0	960.1	943.9	935.0	948.3	969.0	1009.0	1048.9	1069.6	1084.4
42.5°	1043.0	1051.9	1038.6	1025.2	1025.2	1043.0	1082.9	1145.1	1220.5	1264.9	1272.3
45°	1117.0	1133.2	1115.5	1106.6	1115.5	1151.0	1226.4	1346.3	1458.7	1531.2	1519.4
47.5°	1193.9	1208.7	1192.4	1188.0	1208.7	1272.3	1387.7	1541.6	1654.0	1729.4	1759.0
50°	1288.6	1278.2	1272.3	1270.8	1313.7	1408.4	1557.8	1723.5	1904.0	1972.1	2009.1
52.5°	1368.5	1350.7	1347.8	1358.1	1429.1	1543.0	1729.4	2034.2	2284.2	2452.9	2458.8
55°	1438.0	1418.8	1429.1	1454.3	1550.4	1708.7	1944.0	2300.5	2512.1	2637.8	2648.2
57.5°	1497.2	1486.8	1504.6	1538.6	1662.9	1852.2	2115.6	2410.0	2584.5	2685.1	2695.5
60°	1550.4	1549.0	1568.2	1625.9	1764.9	1936.6	2154.0	2417.4	2599.3	2689.6	2702.9
62.5°	1591.9	1600.7	1628.8	1682.1	1793.1	1927.7	2145.2	2448.4	2679.2	2797.6	2813.9
65°	1627.4	1636.2	1664.3	1682.1	1781.2	1909.9	2194.0	2469.2	2667.4	2790.2	2800.5
67.5°	1646.6	1657.0	1652.5	1655.5	1732.4	1833.0	2078.6	2315.3	2478.0	2590.5	2603.8
70°	1643.6	1634.8	1599.3	1562.3	1578.5	1649.6	1871.5	2069.7	2217.7	2306.4	2310.9
72.5°	1581.5	1566.7	1482.4	1396.6	1371.4	1418.8	1612.6	1762.0	1887.7	1969.1	1994.3
75°	1441.0	1411.4	1288.6	1177.6	1121.4	1156.9	1306.3	1436.5	1529.7	1609.6	1625.9
77.5°	1185.0	1167.3	1044.5	923.2	861.0	884.7	1003.0	1080.0	1180.6	1263.4	1242.7
80°	862.5	859.5	760.4	652.4	608.0	618.4	682.0	757.5	821.1	883.2	886.2
82.5°	563.7	554.8	488.2	409.8	363.9	369.9	409.8	449.7	510.4	550.3	562.2
85°	279.6	275.2	245.6	196.8	171.6	171.6	190.8	214.5	244.1	261.9	260.4
87.5°	76.9	69.5	68.1	50.3	41.4	44.4	44.4	48.8	62.1	66.6	71.0
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°	329.9
2.5°	334.3
5°	338.8
7.5°	346.2
10°	358.0
12.5°	371.3
15°	390.6
17.5°	412.8
20°	442.3
22.5°	479.3
25°	517.8
27.5°	569.6
30°	637.6
32.5°	717.5
35°	821.1
37.5°	936.5
40°	1078.5
42.5°	1264.9
45°	1532.7
47.5°	1744.2
50°	1989.8
52.5°	2467.7
55°	2651.1
57.5°	2698.5
60°	2704.4
62.5°	2806.5
65°	2812.4
67.5°	2593.4
70°	2318.3
72.5°	1991.3
75°	1637.7
77.5°	1264.9
80°	884.7
82.5°	553.3
85°	258.9
87.5°	65.1
90°	0.0

(END OF REPORT)