

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: P197986

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197986
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34692)
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-MS/DIM
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (160) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9319.8 lumens
Efficiency: N/A
Efficacy: 86.3 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



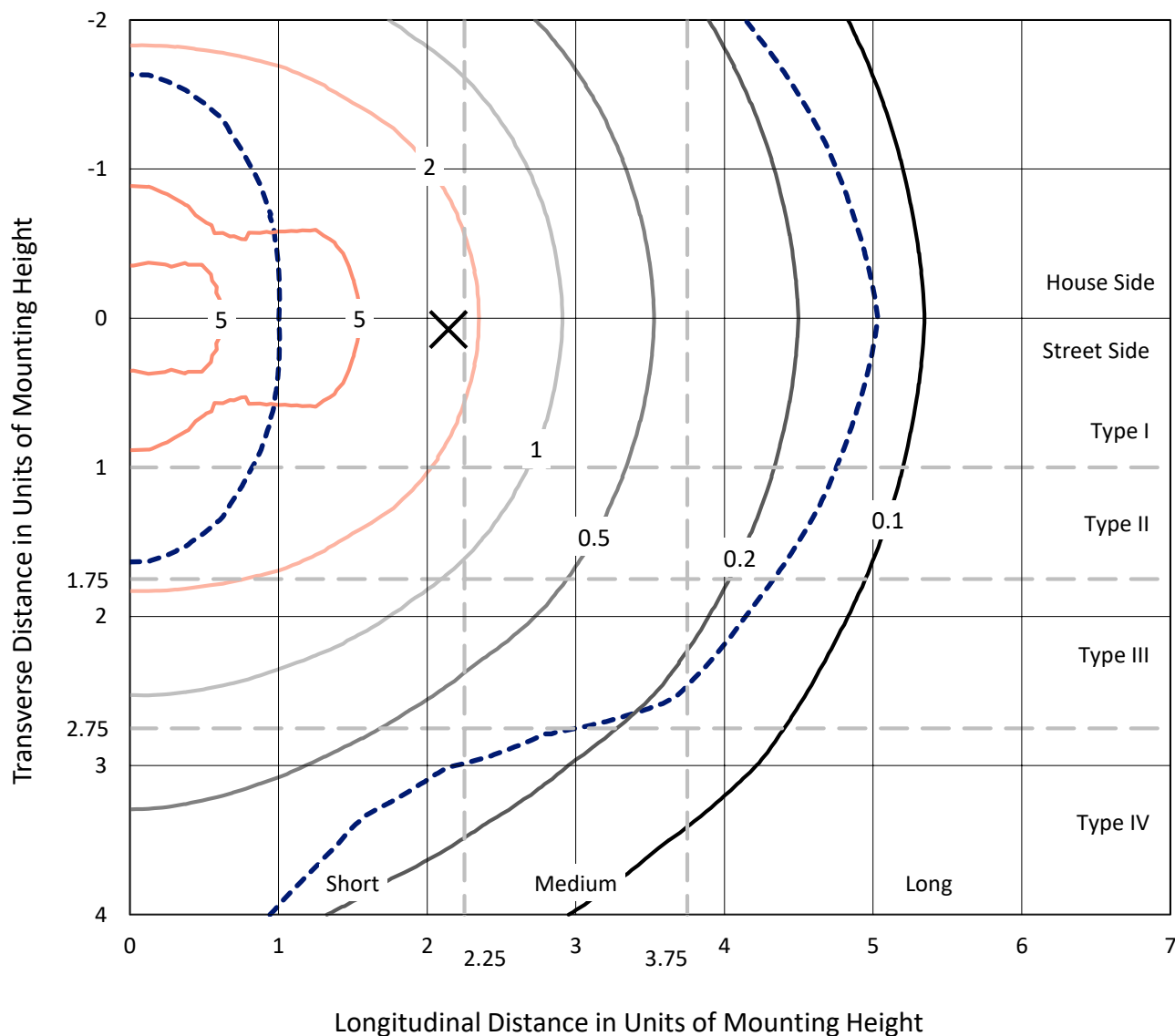
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

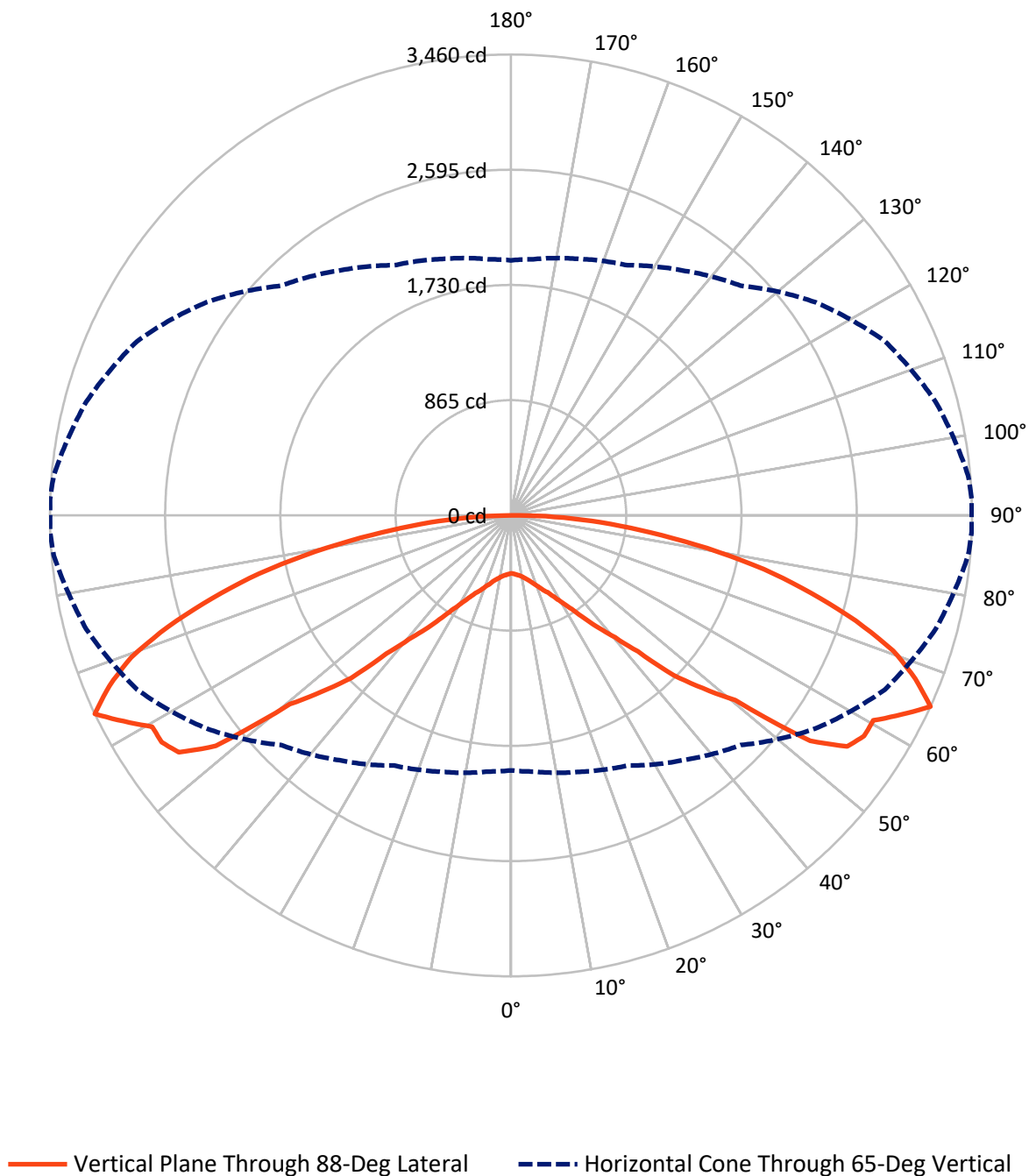


Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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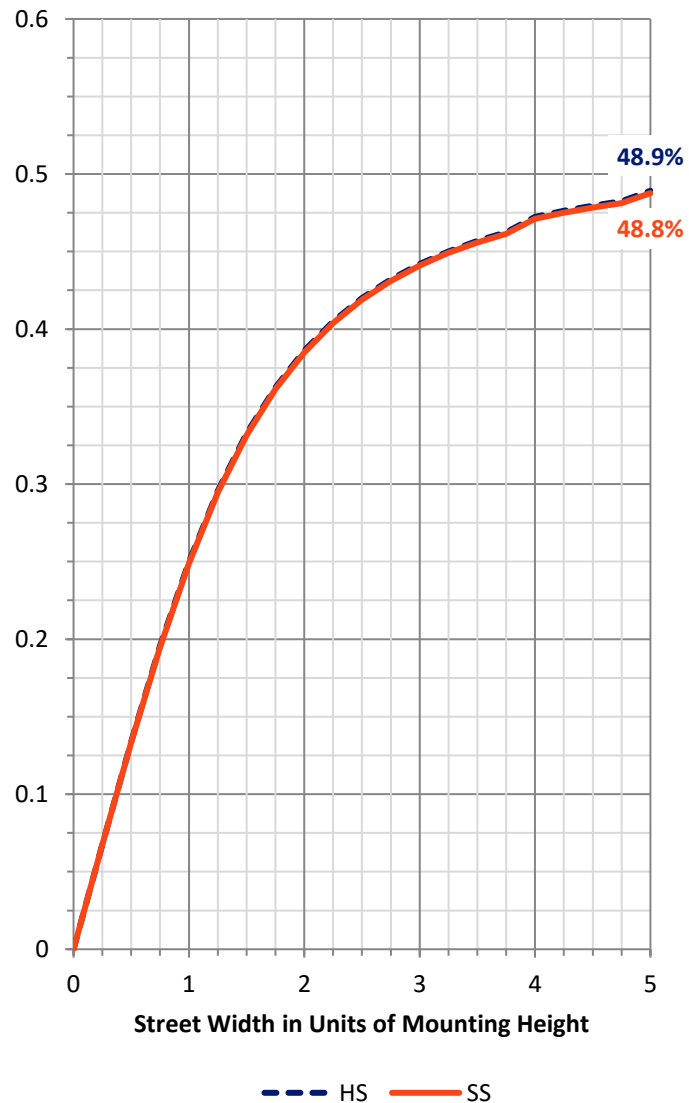
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4659.9	0.0	4659.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4659.9	0.0	4659.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	9319.8	0.0	9319.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.5	0.5
10°-20°	148.6	1.6
20°-30°	315.5	3.4
30°-40°	602.8	6.5
40°-50°	1108.1	11.9
50°-60°	1919.1	20.6
60°-70°	2496.7	26.8
70°-80°	2046.1	22.0
80°-90°	639.7	6.9
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°	9319.8	100.0
0°-180°	9319.8	100.0

Coefficient of Utilization



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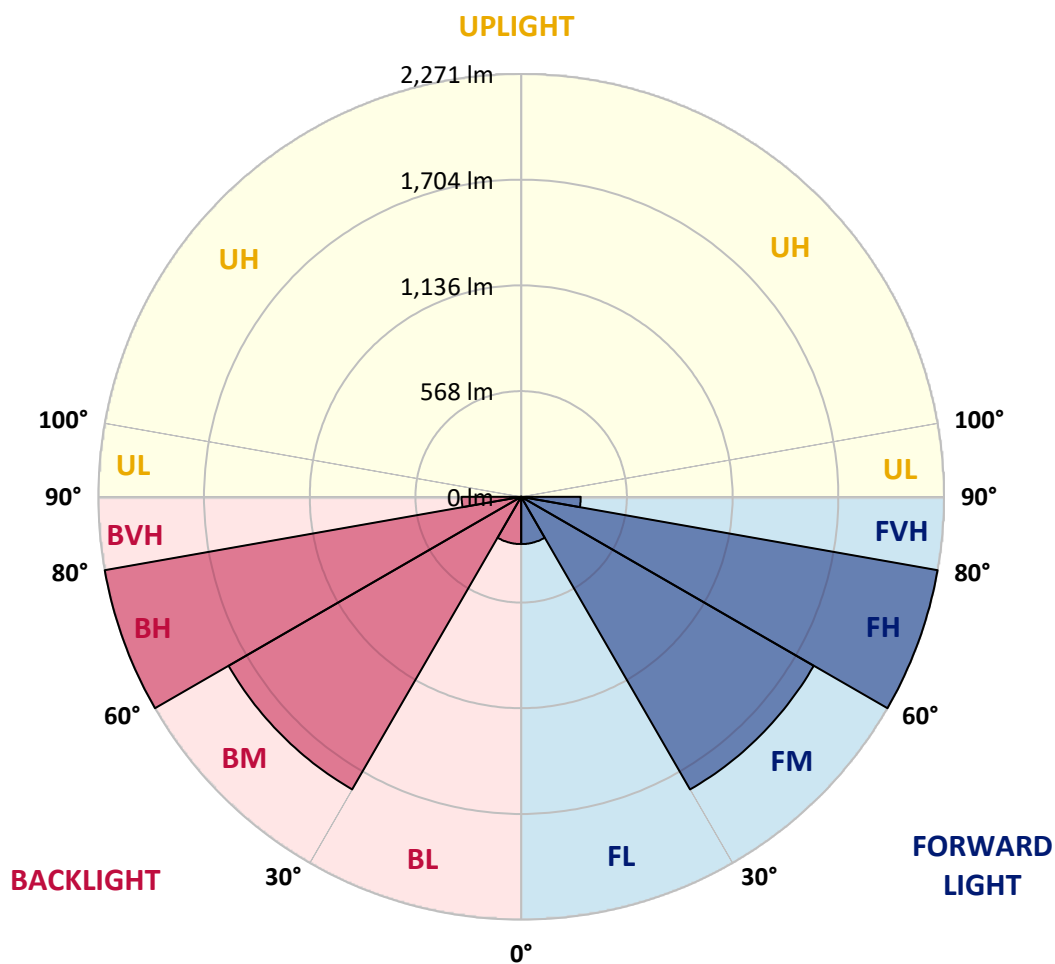
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	253.8	2.7			
FM	(30°-60°)	1815.0	19.5			
FH	(60°-80°)	2271.4	24.4			G2/5000
FVH	(80°-90°)	319.8	3.4			G3/500
BL	(0°-30°)	253.8	2.7	B1/500		
BM	(30°-60°)	1815.0	19.5	B2/2500		
BH	(60°-80°)	2271.4	24.4	B3/2500		G3/2500
BVH	(80°-90°)	319.8	3.4			G3/500
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°	88°
0°	435.5	435.5	435.5	435.5	435.5	435.5	435.5	435.5	435.5	435.5	435.5
2.5°	439.4	439.4	439.4	439.4	439.4	439.4	439.4	439.4	439.4	439.4	439.4
5°	447.3	447.3	447.3	449.2	449.2	449.2	449.2	449.2	447.3	447.3	447.3
7.5°	457.1	457.1	459.0	459.0	459.0	459.0	457.1	457.1	455.1	455.1	455.1
10°	472.8	472.8	474.7	474.7	472.8	470.8	470.8	470.8	468.8	468.8	468.8
12.5°	494.3	494.3	496.3	494.3	492.4	490.4	490.4	488.4	486.5	486.5	486.5
15°	523.8	523.8	521.8	517.9	513.9	513.9	508.1	508.1	508.1	508.1	506.1
17.5°	563.0	561.0	553.2	551.2	545.3	541.4	537.5	535.5	533.6	533.6	535.5
20°	606.1	602.2	592.4	592.4	582.6	576.7	572.8	568.9	568.9	566.9	565.0
22.5°	657.1	653.2	641.5	637.5	627.7	617.9	614.0	604.2	602.2	602.2	604.2
25°	708.2	710.1	700.3	692.5	678.7	668.9	655.2	649.3	643.4	643.4	639.5
27.5°	767.0	769.0	757.2	747.4	735.6	716.0	708.2	700.3	694.4	698.3	694.4
30°	829.8	833.7	823.9	812.1	794.5	774.8	765.0	763.1	757.2	761.1	759.2
32.5°	902.4	900.4	894.5	882.7	859.2	843.5	835.7	833.7	837.6	839.6	837.6
35°	986.7	978.9	973.0	955.3	933.7	922.0	914.1	922.0	939.6	951.4	947.5
37.5°	1075.0	1063.2	1057.3	1037.7	1018.1	1012.2	1022.0	1037.7	1055.4	1071.1	1071.1
40°	1147.6	1151.5	1137.7	1120.1	1104.4	1110.3	1127.9	1155.4	1190.7	1206.4	1204.4
42.5°	1220.1	1231.9	1218.2	1200.5	1202.5	1220.1	1245.6	1296.6	1375.1	1398.6	1396.7
45°	1284.9	1310.4	1298.6	1286.8	1304.5	1333.9	1402.6	1516.3	1624.2	1704.7	1710.5
47.5°	1369.2	1383.0	1377.1	1377.1	1404.5	1473.2	1577.2	1736.0	1849.8	1926.3	1938.1
50°	1465.3	1451.6	1453.6	1471.2	1539.9	1641.9	1783.1	1932.2	2136.2	2171.5	2181.3
52.5°	1545.8	1522.2	1536.0	1569.3	1669.4	1798.8	1975.4	2281.4	2542.3	2777.7	2811.0
55°	1628.2	1600.7	1628.2	1681.1	1828.2	2008.7	2267.6	2622.7	2897.3	3044.5	3062.1
57.5°	1690.9	1687.0	1726.2	1802.7	1983.2	2224.5	2516.8	2820.8	3005.2	3109.2	3124.9
60°	1769.4	1773.3	1818.4	1920.4	2136.2	2367.7	2585.4	2864.0	3046.4	3107.2	3124.9
62.5°	1843.9	1859.6	1912.6	2028.3	2216.6	2393.2	2603.1	2940.5	3172.0	3303.4	3291.6
65°	1914.6	1930.2	1993.0	2071.5	2244.1	2438.3	2789.4	3095.5	3299.5	3444.6	3460.3
67.5°	1985.2	2004.8	2030.3	2093.1	2259.8	2442.2	2746.3	3003.3	3168.0	3268.1	3274.0
70°	2046.0	2044.0	2038.1	2055.8	2159.8	2301.0	2583.5	2787.5	2942.5	3024.8	3044.5
72.5°	2053.8	2047.9	1979.3	1928.3	1961.6	2073.4	2344.2	2507.0	2624.7	2693.3	2707.1
75°	1989.1	1955.7	1820.4	1710.5	1704.7	1816.5	2044.0	2161.7	2232.3	2320.6	2326.5
77.5°	1779.2	1741.9	1590.9	1441.8	1441.8	1514.4	1704.7	1767.4	1855.7	1922.4	1940.1
80°	1434.0	1430.0	1273.1	1155.4	1112.2	1173.1	1328.0	1351.6	1418.3	1475.1	1492.8
82.5°	1037.7	1008.3	922.0	821.9	786.6	825.8	931.8	955.3	980.8	1031.8	1053.4
85°	627.7	629.7	570.8	513.9	468.8	482.6	565.0	598.3	631.6	665.0	676.8
87.5°	225.6	260.9	204.0	180.5	156.9	149.1	174.6	215.8	253.1	300.1	325.6
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°	435.5
2.5°	439.4
5°	445.3
7.5°	455.1
10°	468.8
12.5°	486.5
15°	506.1
17.5°	531.6
20°	565.0
22.5°	600.3
25°	641.5
27.5°	698.3
30°	757.2
32.5°	837.6
35°	957.3
37.5°	1071.1
40°	1210.3
42.5°	1404.5
45°	1718.4
47.5°	1936.1
50°	2199.0
52.5°	2783.6
55°	3068.0
57.5°	3128.8
60°	3124.9
62.5°	3323.0
65°	3458.4
67.5°	3277.9
70°	3052.3
72.5°	2701.2
75°	2340.2
77.5°	1949.9
80°	1500.7
82.5°	1045.6
85°	704.2
87.5°	290.3
90°	0.0

(END OF REPORT)