

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: P198153

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198153
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-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7111.6 lumens
Efficiency: N/A
Efficacy: 65.8 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



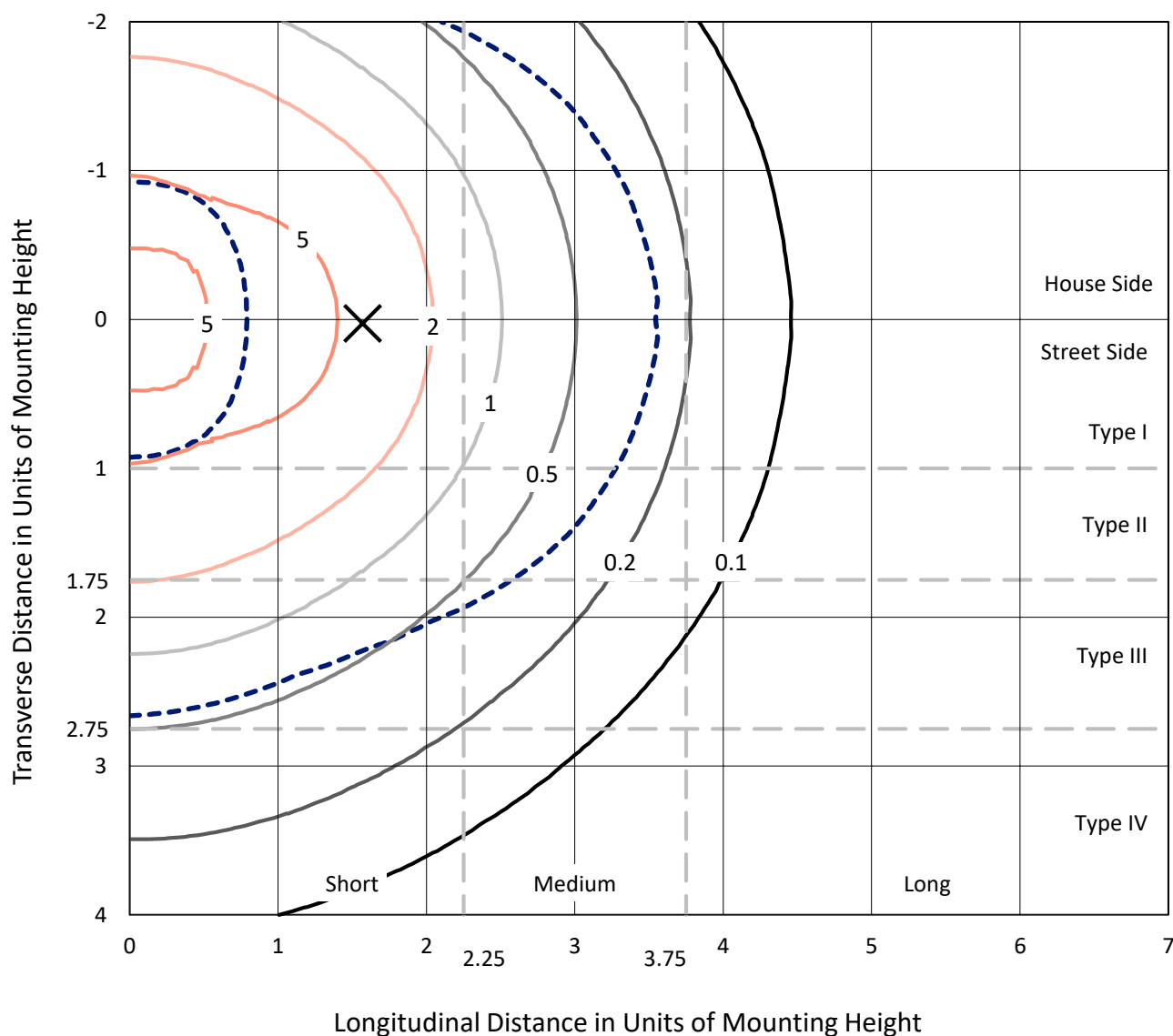
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

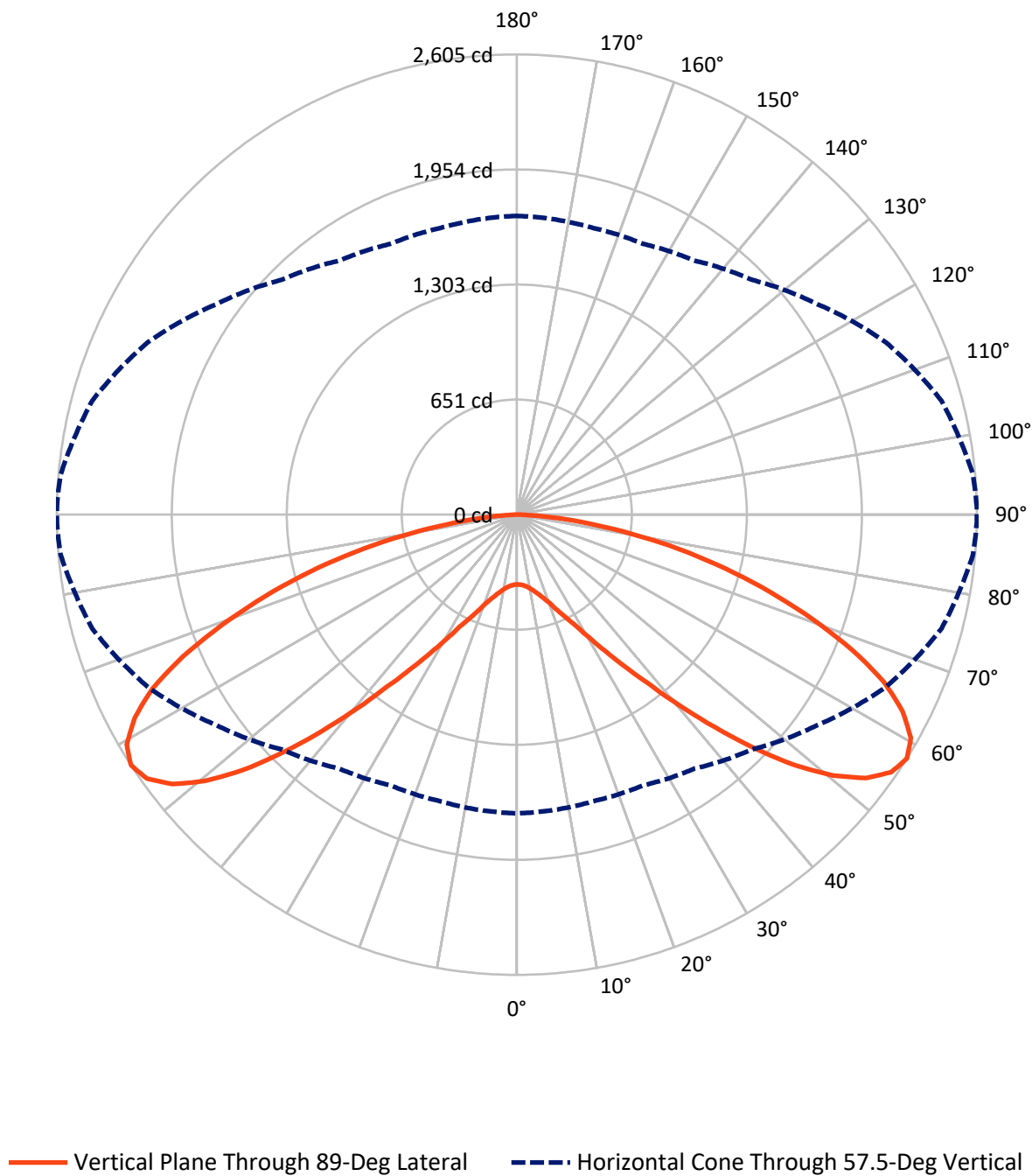


Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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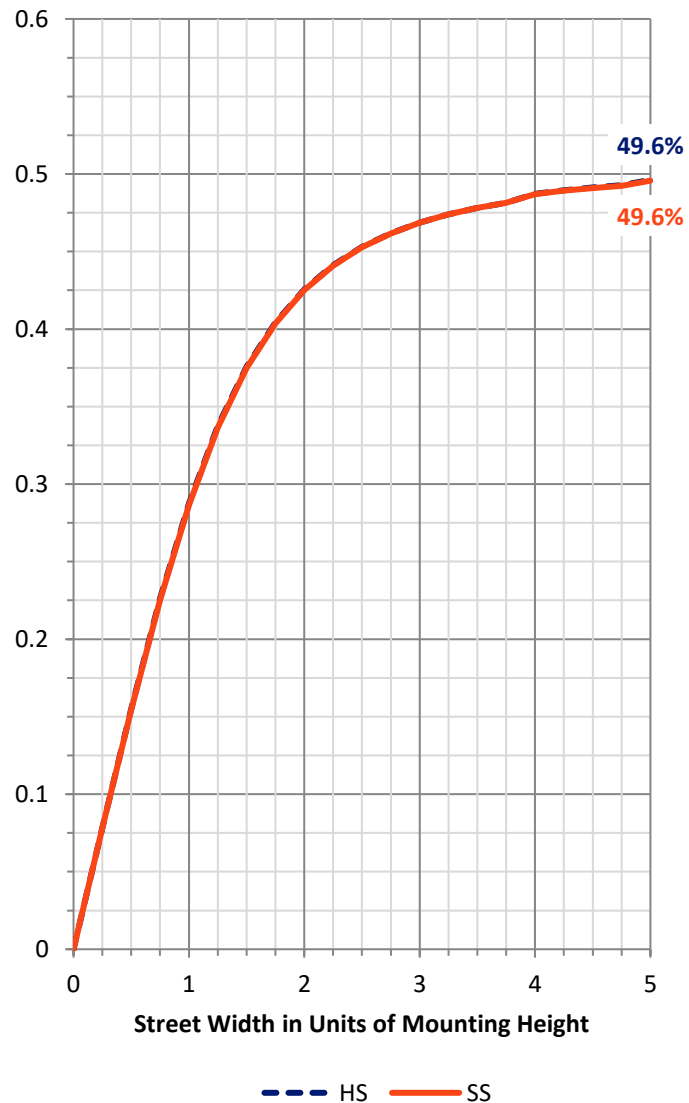
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3555.8	0.0	3555.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3555.8	0.0	3555.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	7111.6	0.0	7111.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.2	0.6
10°-20°	136.9	1.9
20°-30°	306.7	4.3
30°-40°	634.8	8.9
40°-50°	1205.0	16.9
50°-60°	1763.3	24.8
60°-70°	1758.0	24.7
70°-80°	1046.3	14.7
80°-90°	221.3	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°	7111.6	100.0
0°-180°	7111.6	100.0

Coefficient of Utilization



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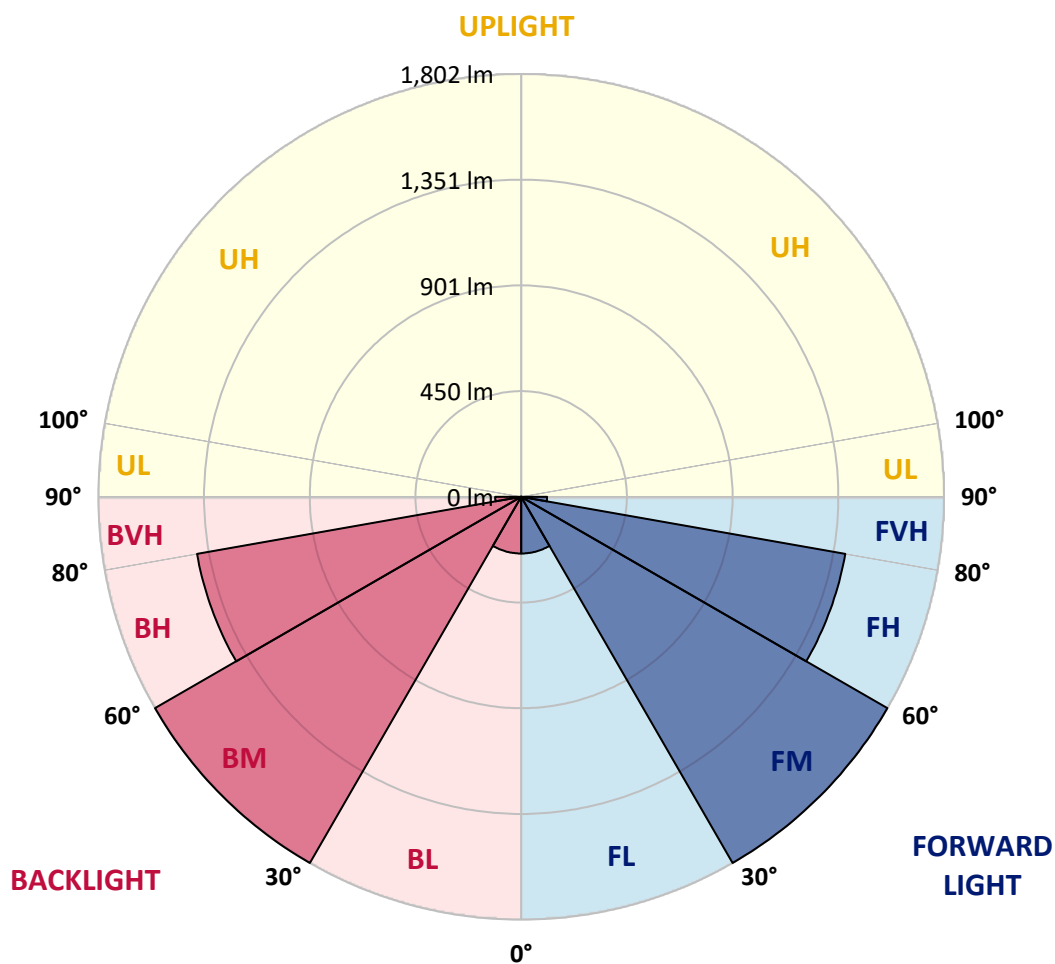
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	241.4	3.4			
FM	(30°-60°)	1801.6	25.3			
FH	(60°-80°)	1402.1	19.7			G1/1800
FVH	(80°-90°)	110.7	1.6			G2/225
BL	(0°-30°)	241.4	3.4	B1/500		
BM	(30°-60°)	1801.6	25.3	B2/2500		
BH	(60°-80°)	1402.1	19.7	B3/2500		G3/2500
BVH	(80°-90°)	110.7	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°	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0
2.5°	398.0	398.0	398.0	398.0	396.5	396.5	396.5	396.5	396.5	396.5	396.5
5°	403.9	403.9	402.4	403.9	402.4	402.4	402.4	402.4	402.4	402.4	402.4
7.5°	412.8	412.8	412.8	412.8	412.8	412.8	411.3	412.8	411.3	411.3	411.3
10°	429.0	427.6	429.0	427.6	427.6	426.1	426.1	426.1	426.1	426.1	426.1
12.5°	449.7	449.7	449.7	448.3	446.8	446.8	445.3	445.3	445.3	443.8	445.3
15°	477.9	479.3	474.9	473.4	473.4	470.5	469.0	470.5	469.0	467.5	469.0
17.5°	511.9	513.4	510.4	507.4	504.5	503.0	501.5	500.0	500.0	500.0	498.6
20°	556.3	556.3	553.3	547.4	542.9	540.0	540.0	538.5	538.5	540.0	535.6
22.5°	606.6	605.1	602.1	599.2	593.2	587.3	584.4	582.9	582.9	585.9	587.3
25°	668.7	670.2	661.3	655.4	649.5	639.1	637.6	639.1	640.6	640.6	643.5
27.5°	732.3	735.3	727.9	719.0	710.1	705.7	702.7	705.7	708.6	713.1	711.6
30°	807.8	806.3	804.8	791.5	781.1	776.7	779.7	788.5	795.9	806.3	807.8
32.5°	889.1	892.1	881.7	871.4	866.9	862.5	866.9	886.2	906.9	912.8	920.2
35°	985.3	979.4	973.5	966.1	958.7	958.7	980.9	1003.0	1035.6	1057.8	1057.8
37.5°	1082.9	1078.5	1068.1	1057.8	1057.8	1072.6	1094.8	1149.5	1196.9	1229.4	1216.1
40°	1183.5	1177.6	1174.7	1162.8	1164.3	1199.8	1247.2	1315.2	1383.3	1429.1	1420.2
42.5°	1285.6	1287.1	1276.7	1272.3	1285.6	1325.6	1408.4	1500.1	1585.9	1643.6	1645.1
45°	1390.7	1390.7	1383.3	1380.3	1405.5	1466.1	1569.7	1695.4	1810.8	1877.4	1884.8
47.5°	1486.8	1485.3	1479.4	1477.9	1520.8	1593.3	1723.5	1884.8	2026.8	2100.8	2120.0
50°	1569.7	1571.1	1562.3	1569.7	1608.1	1704.3	1861.1	2056.4	2219.1	2312.3	2321.2
52.5°	1634.8	1636.2	1625.9	1631.8	1683.6	1794.5	1969.1	2188.1	2365.6	2464.7	2476.6
55°	1679.1	1673.2	1665.8	1674.7	1733.9	1856.7	2047.5	2275.4	2460.3	2563.8	2572.7
57.5°	1691.0	1686.5	1679.1	1691.0	1754.6	1880.3	2077.1	2306.4	2489.9	2593.4	2605.3
60°	1673.2	1673.2	1664.3	1677.7	1741.3	1864.1	2056.4	2278.3	2452.9	2547.6	2563.8
62.5°	1627.4	1627.4	1617.0	1627.4	1688.0	1801.9	1985.4	2191.0	2349.3	2432.2	2451.4
65°	1541.6	1540.1	1534.2	1537.1	1587.4	1695.4	1862.6	2049.0	2186.6	2260.6	2285.7
67.5°	1417.3	1412.8	1406.9	1412.8	1449.8	1546.0	1699.9	1862.6	1976.5	2047.5	2053.4
70°	1259.0	1254.5	1247.2	1244.2	1282.7	1359.6	1483.9	1627.4	1722.0	1773.8	1779.7
72.5°	1071.1	1077.0	1071.1	1062.2	1087.4	1155.4	1259.0	1368.5	1446.9	1494.2	1501.6
75°	886.2	887.7	872.9	869.9	889.1	932.0	1016.4	1100.7	1168.7	1208.7	1220.5
77.5°	686.5	686.5	673.1	665.7	676.1	713.1	770.8	838.8	895.0	920.2	940.9
80°	494.1	494.1	482.3	464.5	474.9	494.1	545.9	582.9	627.3	655.4	658.3
82.5°	309.2	304.8	307.7	294.4	297.4	303.3	335.8	361.0	387.6	402.4	403.9
85°	161.3	155.3	152.4	145.0	140.5	150.9	165.7	183.4	189.4	202.7	198.2
87.5°	50.3	47.3	45.9	45.9	41.4	44.4	45.9	48.8	56.2	56.2	59.2
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°	395.0
2.5°	396.5
5°	402.4
7.5°	411.3
10°	426.1
12.5°	443.8
15°	469.0
17.5°	500.0
20°	535.6
22.5°	582.9
25°	640.6
27.5°	708.6
30°	806.3
32.5°	915.8
35°	1048.9
37.5°	1230.9
40°	1418.8
42.5°	1655.5
45°	1884.8
47.5°	2120.0
50°	2316.8
52.5°	2472.1
55°	2577.2
57.5°	2605.3
60°	2559.4
62.5°	2447.0
65°	2282.7
67.5°	2053.4
70°	1788.6
72.5°	1497.2
75°	1207.2
77.5°	935.0
80°	658.3
82.5°	415.7
85°	198.2
87.5°	63.6
90°	0.0

(END OF REPORT)