

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: P197987

Luminaire Tested: **TT-C6-LED-E1-RW-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197987
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-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9231.7 lumens
Efficiency: N/A
Efficacy: 85.5 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



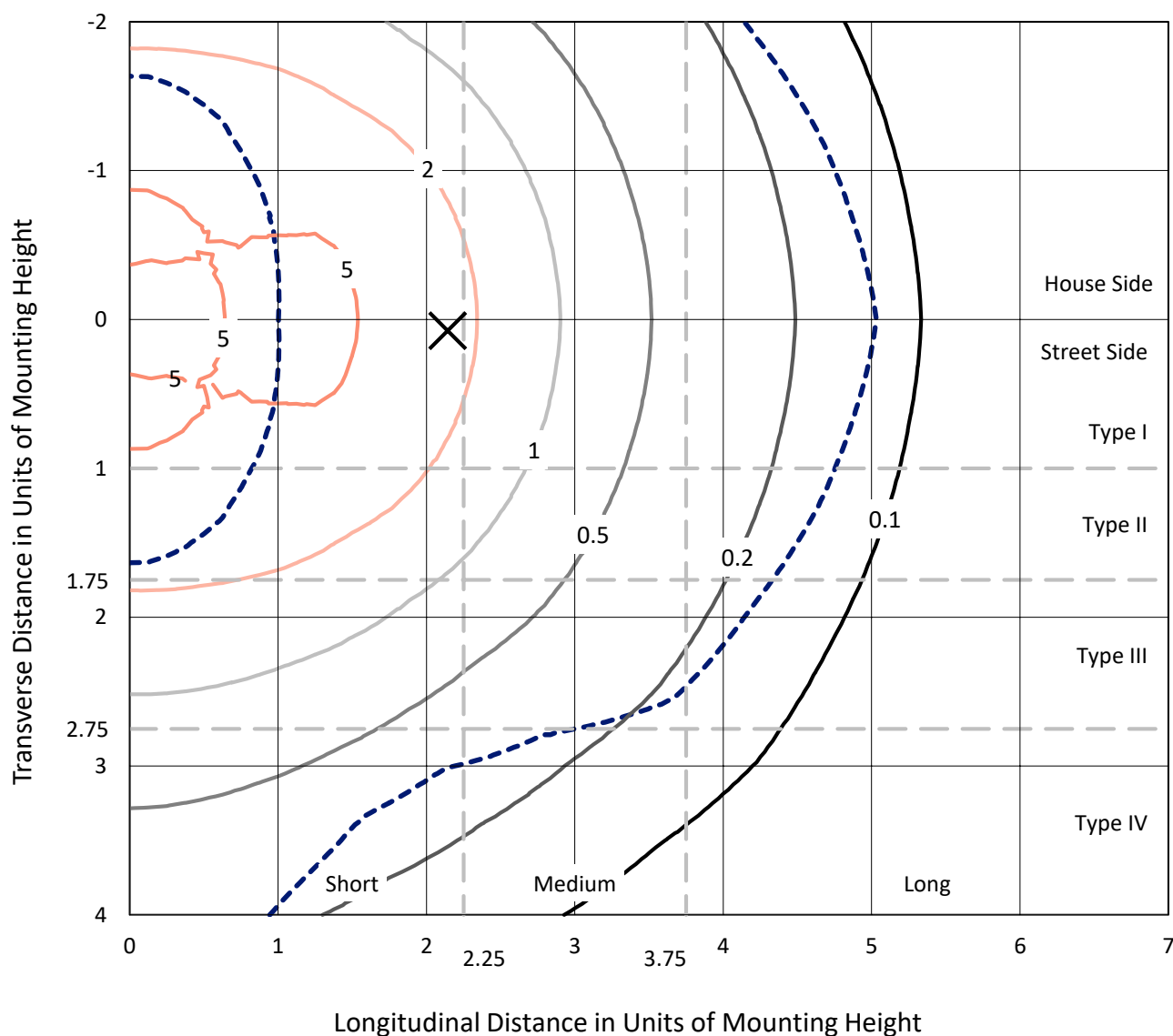
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

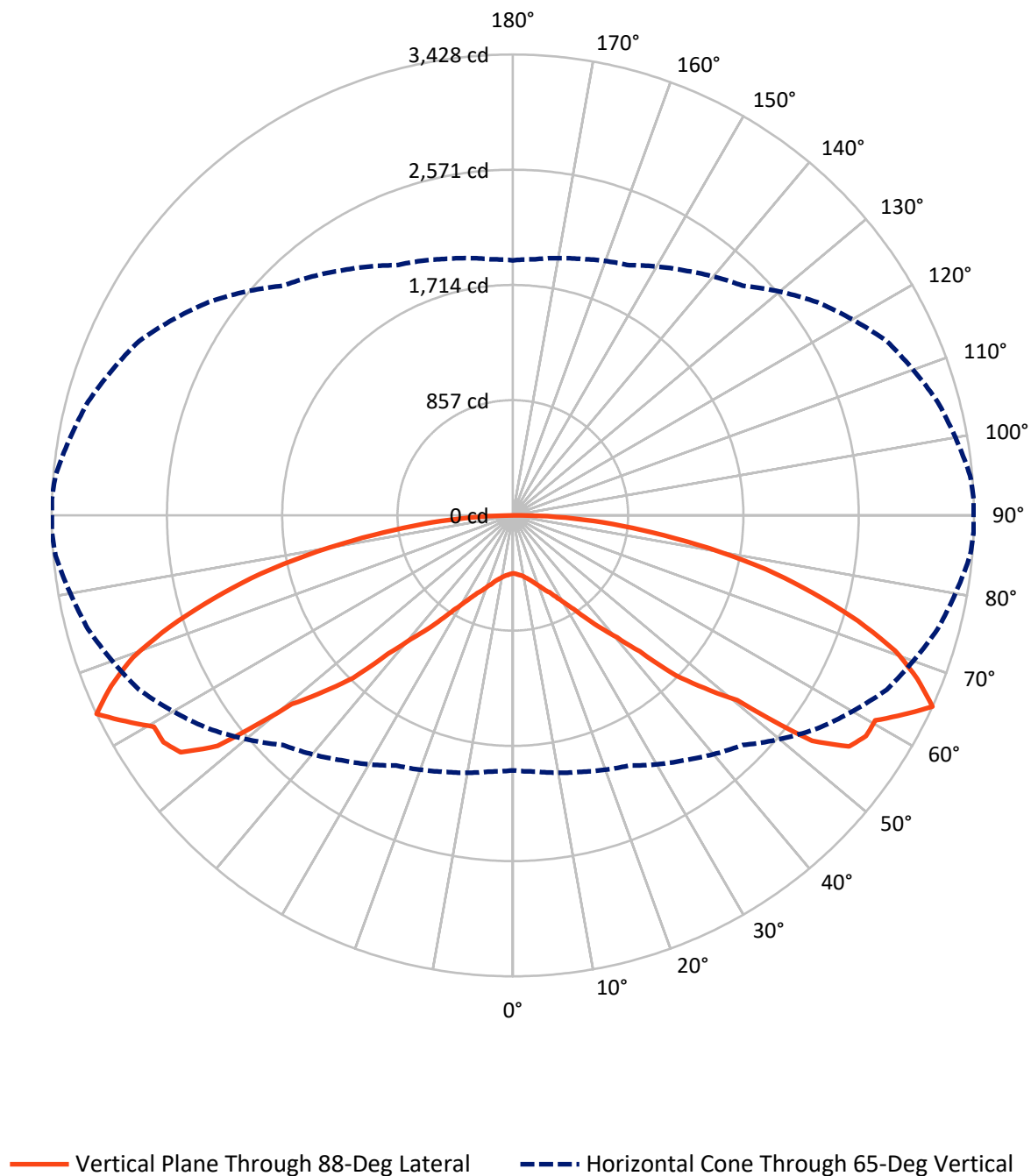


Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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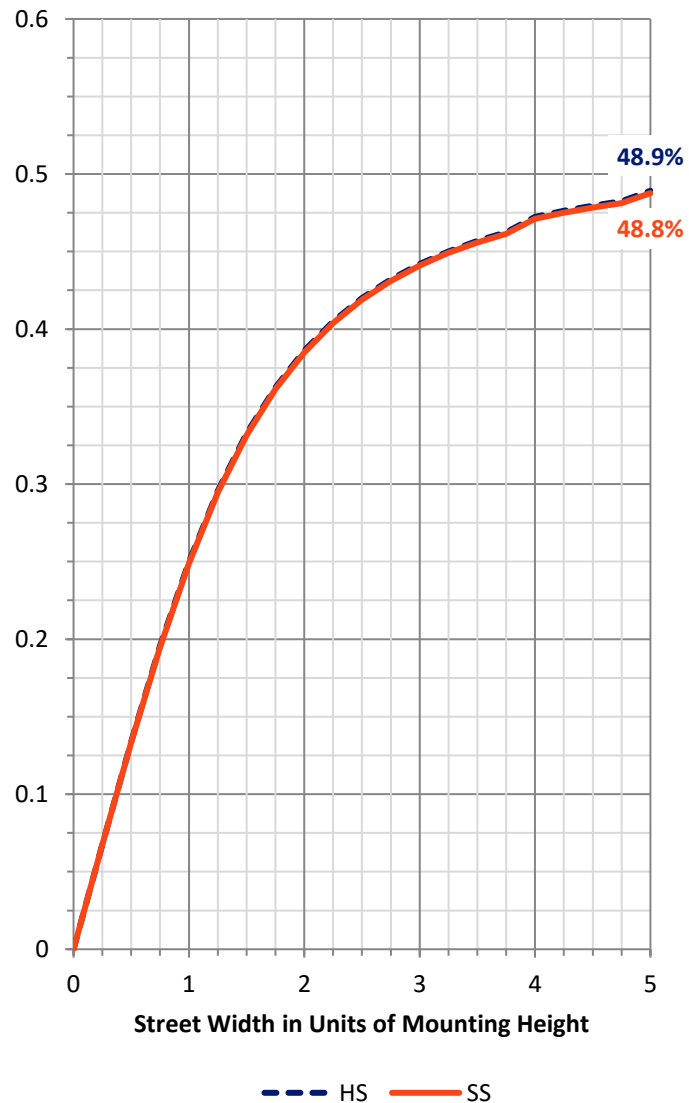
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4615.8	0.0	4615.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4615.8	0.0	4615.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	9231.7	0.0	9231.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.1	0.5
10°-20°	147.2	1.6
20°-30°	312.5	3.4
30°-40°	597.1	6.5
40°-50°	1097.6	11.9
50°-60°	1900.9	20.6
60°-70°	2473.0	26.8
70°-80°	2026.7	22.0
80°-90°	633.6	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°	9231.7	100.0
0°-180°	9231.7	100.0

Coefficient of Utilization



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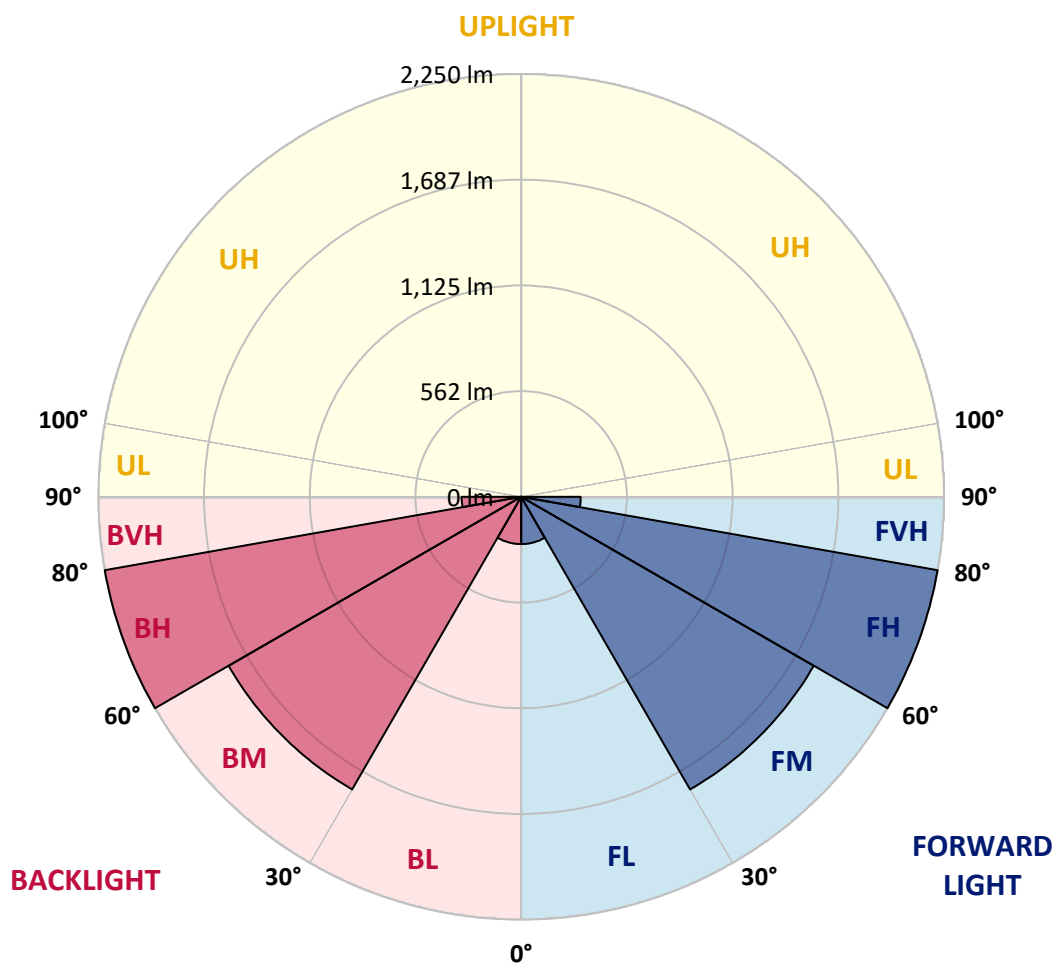
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	251.4	2.7			
FM	(30°-60°)	1797.8	19.5			
FH	(60°-80°)	2249.9	24.4			G2/5000
FVH	(80°-90°)	316.8	3.4			G3/500
BL	(0°-30°)	251.4	2.7	B1/500		
BM	(30°-60°)	1797.8	19.5	B2/2500		
BH	(60°-80°)	2249.9	24.4	B3/2500		G3/2500
BVH	(80°-90°)	316.8	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°	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4
2.5°	435.2	435.2	435.2	435.2	435.2	435.2	435.2	435.2	435.2	435.2	435.2
5°	443.0	443.0	443.0	445.0	445.0	445.0	445.0	445.0	443.0	443.0	443.0
7.5°	452.7	452.7	454.7	454.7	454.7	454.7	452.7	452.7	450.8	450.8	450.8
10°	468.3	468.3	470.2	470.2	468.3	466.3	466.3	466.3	464.4	464.4	464.4
12.5°	489.7	489.7	491.6	489.7	487.7	485.8	485.8	483.8	481.9	481.9	481.9
15°	518.8	518.8	516.9	513.0	509.1	509.1	503.3	503.3	503.3	503.3	501.3
17.5°	557.7	555.7	547.9	546.0	540.2	536.3	532.4	530.5	528.5	528.5	530.5
20°	600.4	596.5	586.8	586.8	577.1	571.3	567.4	563.5	563.5	561.5	559.6
22.5°	650.9	647.0	635.4	631.5	621.8	612.1	608.2	598.5	596.5	596.5	598.5
25°	701.4	703.4	693.7	685.9	672.3	662.6	649.0	643.2	637.3	637.3	633.4
27.5°	759.7	761.7	750.0	740.3	728.7	709.2	701.4	693.7	687.8	691.7	687.8
30°	821.9	825.8	816.1	804.4	786.9	767.5	757.8	755.9	750.0	753.9	752.0
32.5°	893.8	891.9	886.0	874.4	851.1	835.5	827.7	825.8	829.7	831.6	829.7
35°	977.4	969.6	963.8	946.3	924.9	913.2	905.5	913.2	930.7	942.4	938.5
37.5°	1064.8	1053.1	1047.3	1027.9	1008.5	1002.6	1012.3	1027.9	1045.4	1060.9	1060.9
40°	1136.7	1140.6	1127.0	1109.5	1094.0	1099.8	1117.3	1144.5	1179.4	1195.0	1193.0
42.5°	1208.6	1220.3	1206.6	1189.2	1191.1	1208.6	1233.9	1284.4	1362.1	1385.4	1383.5
45°	1272.7	1298.0	1286.3	1274.7	1292.1	1321.3	1389.3	1502.0	1608.9	1688.5	1694.4
47.5°	1356.3	1369.9	1364.0	1364.0	1391.2	1459.2	1562.2	1719.6	1832.3	1908.1	1919.8
50°	1451.5	1437.9	1439.8	1457.3	1525.3	1626.4	1766.3	1913.9	2116.0	2151.0	2160.7
52.5°	1531.1	1507.8	1521.4	1554.5	1653.6	1781.8	1956.7	2259.8	2518.2	2751.4	2784.4
55°	1612.8	1585.5	1612.8	1665.2	1810.9	1989.7	2246.2	2597.9	2869.9	3015.7	3033.1
57.5°	1674.9	1671.0	1709.9	1785.7	1964.4	2203.4	2493.0	2794.1	2976.8	3079.8	3095.3
60°	1752.7	1756.5	1801.2	1902.3	2116.0	2345.3	2561.0	2836.9	3017.6	3077.8	3095.3
62.5°	1826.5	1842.0	1894.5	2009.1	2195.7	2370.6	2578.5	2912.7	3142.0	3272.1	3260.5
65°	1896.4	1912.0	1974.2	2051.9	2222.9	2415.2	2763.1	3066.2	3268.3	3412.0	3427.6
67.5°	1966.4	1985.8	2011.1	2073.3	2238.4	2419.1	2720.3	2974.8	3138.1	3237.2	3243.0
70°	2026.6	2024.7	2018.9	2036.3	2139.3	2279.2	2559.0	2761.1	2914.6	2996.2	3015.7
72.5°	2034.4	2028.6	1960.6	1910.0	1943.1	2053.8	2322.0	2483.2	2599.8	2667.8	2681.4
75°	1970.3	1937.2	1803.2	1694.4	1688.5	1799.3	2024.7	2141.3	2211.2	2298.7	2304.5
77.5°	1762.4	1725.5	1575.8	1428.2	1428.2	1500.1	1688.5	1750.7	1838.1	1904.2	1921.7
80°	1420.4	1416.5	1261.1	1144.5	1101.7	1162.0	1315.5	1338.8	1404.8	1461.2	1478.7
82.5°	1027.9	998.7	913.2	814.1	779.2	818.0	923.0	946.3	971.5	1022.1	1043.4
85°	621.8	623.7	565.4	509.1	464.4	478.0	559.6	592.6	625.7	658.7	670.4
87.5°	223.5	258.4	202.1	178.8	155.4	147.7	172.9	213.7	250.7	297.3	322.6
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°	431.4
2.5°	435.2
5°	441.1
7.5°	450.8
10°	464.4
12.5°	481.9
15°	501.3
17.5°	526.6
20°	559.6
22.5°	594.6
25°	635.4
27.5°	691.7
30°	750.0
32.5°	829.7
35°	948.2
37.5°	1060.9
40°	1198.9
42.5°	1391.2
45°	1702.1
47.5°	1917.8
50°	2178.2
52.5°	2757.2
55°	3039.0
57.5°	3099.2
60°	3095.3
62.5°	3291.6
65°	3425.6
67.5°	3246.9
70°	3023.4
72.5°	2675.6
75°	2318.1
77.5°	1931.4
80°	1486.5
82.5°	1035.7
85°	697.6
87.5°	287.6
90°	0.0

(END OF REPORT)