

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: P198055

Luminaire Tested: **TT-C5-LED-E1-RW-CG-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198055
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-C5-LED-E1-RW-CG-MS/DIM-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6949.7 lumens
Efficiency: N/A
Efficacy: 90.3 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): 77
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

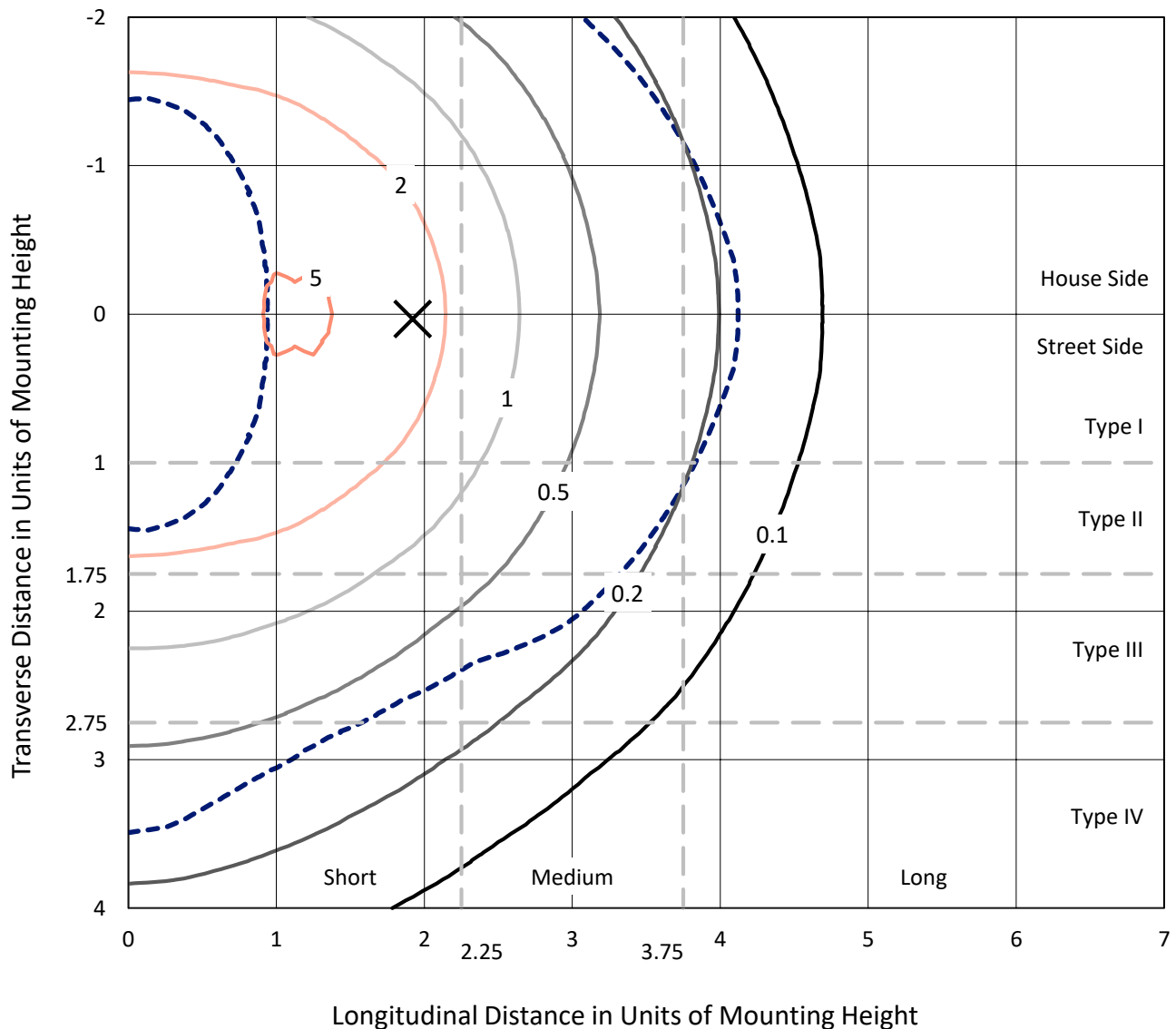


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

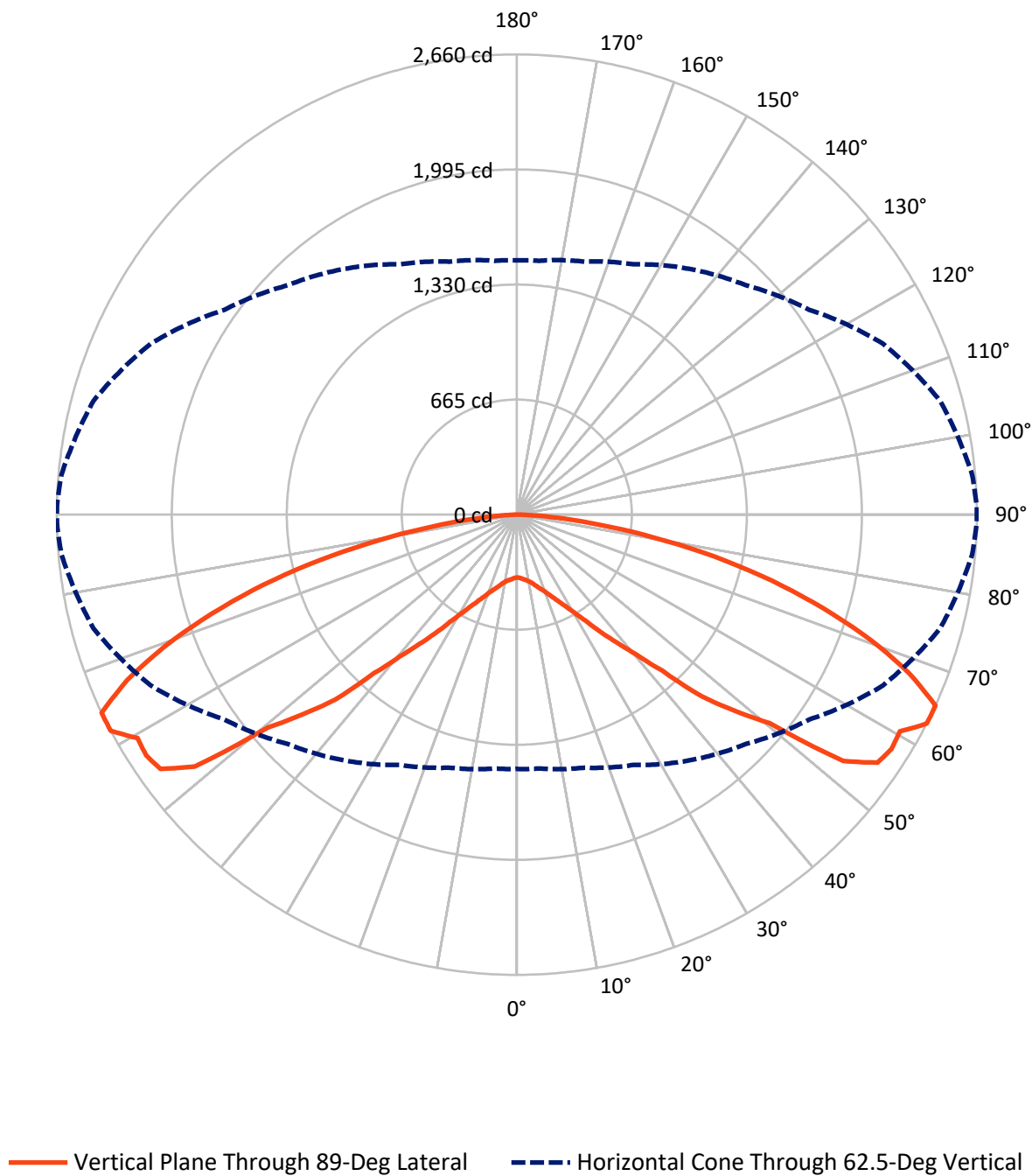


Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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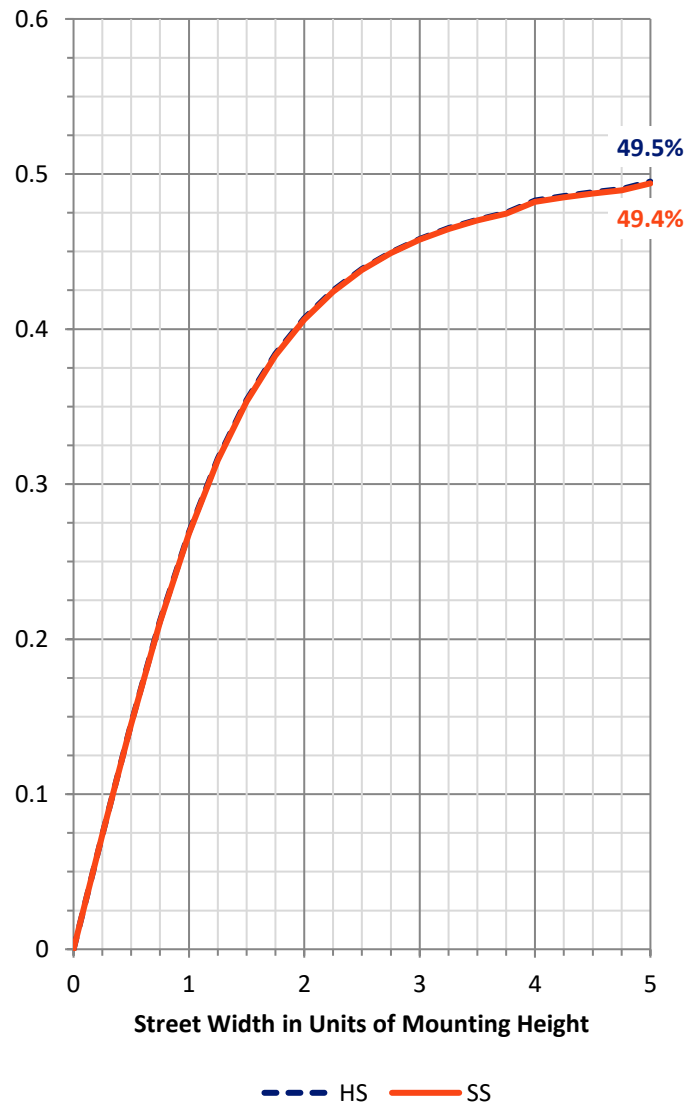
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3474.9	0.0	3474.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3474.9	0.0	3474.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	6949.7	0.0	6949.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.3	0.5
10°-20°	123.7	1.8
20°-30°	263.0	3.8
30°-40°	505.5	7.3
40°-50°	935.9	13.5
50°-60°	1580.9	22.7
60°-70°	1909.4	27.5
70°-80°	1314.6	18.9
80°-90°	280.5	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°	6949.7	100.0
0°-180°	6949.7	100.0

Coefficient of Utilization



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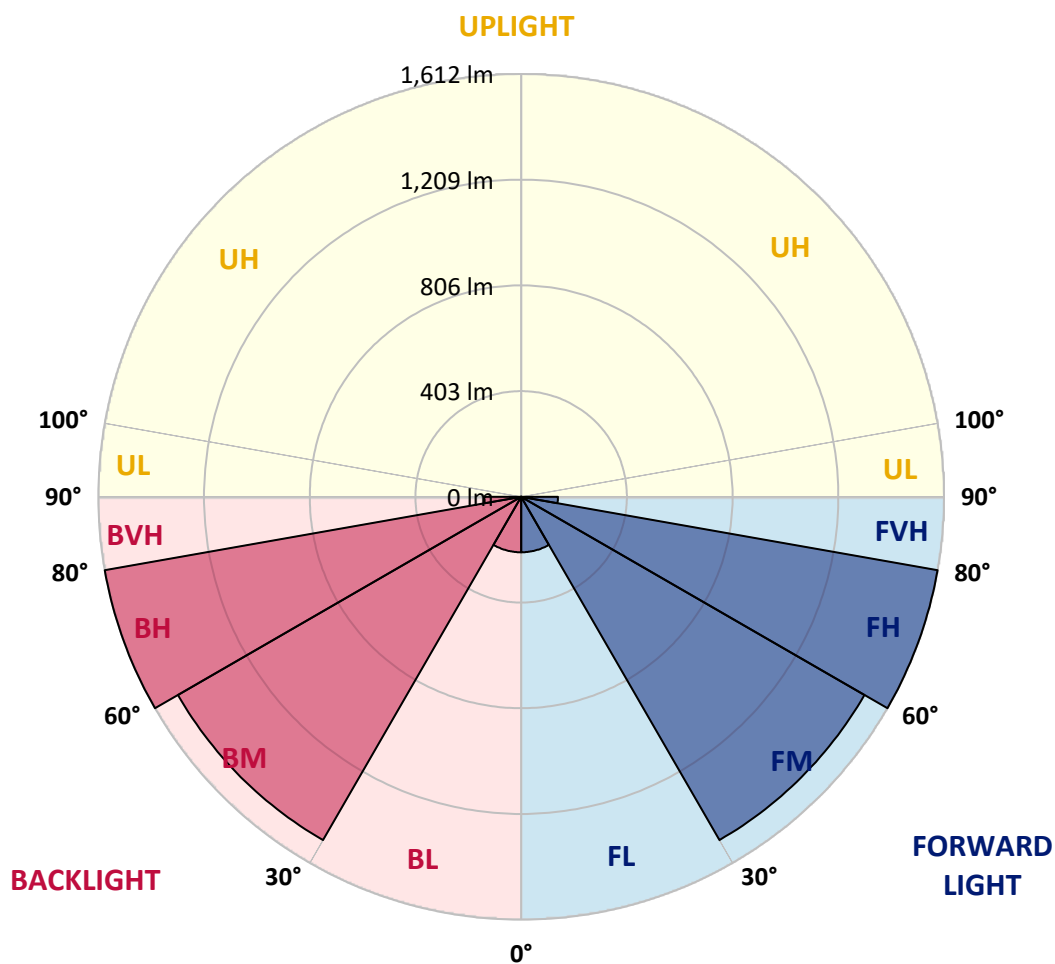
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	211.5	3.0			
FM	(30°-60°)	1511.1	21.7			
FH	(60°-80°)	1612.0	23.2			G1/1800
FVH	(80°-90°)	140.2	2.0			G2/225
BL	(0°-30°)	211.5	3.0	B1/500		
BM	(30°-60°)	1511.1	21.7	B2/2500		
BH	(60°-80°)	1612.0	23.2	B3/2500		G3/2500
BVH	(80°-90°)	140.2	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°	363.3	363.3	363.3	363.3	363.3	363.3	363.3	363.3	363.3	363.3	363.3
2.5°	366.3	366.3	366.3	366.3	367.8	367.8	367.8	367.8	367.8	367.8	366.3
5°	372.4	370.9	372.4	373.9	373.9	375.4	375.4	375.4	375.4	373.9	373.9
7.5°	380.0	380.0	381.5	383.0	384.6	383.0	383.0	381.5	381.5	381.5	381.5
10°	393.7	392.2	393.7	395.2	393.7	393.7	393.7	393.7	393.7	393.7	392.2
12.5°	408.9	408.9	408.9	408.9	407.4	408.9	407.4	408.9	408.9	408.9	407.4
15°	430.2	430.2	430.2	428.6	427.1	427.1	427.1	427.1	427.1	427.1	428.6
17.5°	459.0	457.5	456.0	453.0	451.4	449.9	449.9	449.9	451.4	451.4	451.4
20°	492.5	489.4	486.4	484.9	483.4	480.3	478.8	480.3	481.8	481.8	477.3
22.5°	533.5	529.0	524.4	522.9	516.8	515.3	513.8	512.2	512.2	513.8	512.2
25°	571.5	573.0	568.5	560.9	559.4	556.3	551.8	553.3	551.8	553.3	551.8
27.5°	618.6	621.7	617.1	609.5	605.0	600.4	597.4	597.4	598.9	603.4	598.9
30°	671.8	673.4	668.8	662.7	655.1	649.0	647.5	655.1	655.1	661.2	658.2
32.5°	728.1	726.5	720.5	718.9	709.8	709.8	711.3	717.4	728.1	732.6	731.1
35°	796.5	787.3	785.8	779.7	772.1	772.1	781.3	796.5	816.2	828.4	829.9
37.5°	858.8	855.7	854.2	845.1	840.5	849.7	867.9	895.3	912.0	936.3	936.3
40°	922.6	930.2	922.6	913.5	918.1	931.7	962.1	997.1	1035.1	1060.9	1060.9
42.5°	984.9	998.6	991.0	983.4	995.6	1027.5	1065.5	1124.8	1200.8	1234.2	1232.7
45°	1051.8	1062.5	1054.9	1056.4	1082.2	1121.7	1194.7	1322.4	1428.8	1497.2	1498.7
47.5°	1124.8	1126.3	1121.7	1129.3	1167.3	1243.3	1342.1	1498.7	1603.6	1685.7	1691.7
50°	1197.7	1190.1	1188.6	1206.9	1275.3	1371.0	1512.4	1664.4	1830.1	1890.9	1895.4
52.5°	1263.1	1254.0	1260.1	1290.5	1380.1	1498.7	1675.0	1933.4	2173.6	2352.9	2365.1
55°	1325.4	1314.8	1330.0	1378.6	1497.2	1656.8	1877.2	2199.4	2403.1	2520.1	2530.8
57.5°	1378.6	1375.6	1399.9	1460.7	1606.6	1801.2	2042.9	2305.8	2456.3	2544.4	2555.1
60°	1431.8	1431.8	1463.7	1542.8	1705.4	1883.3	2074.8	2304.3	2459.3	2533.8	2544.4
62.5°	1469.8	1472.9	1513.9	1596.0	1734.3	1874.1	2064.1	2336.2	2535.3	2643.2	2660.0
65°	1491.1	1497.2	1541.3	1596.0	1722.1	1865.0	2132.5	2362.0	2526.2	2640.2	2660.0
67.5°	1494.1	1506.3	1527.6	1568.6	1675.0	1796.6	2023.1	2210.0	2346.8	2433.5	2447.2
70°	1480.5	1475.9	1474.4	1485.0	1538.2	1626.4	1825.5	1972.9	2108.2	2162.9	2173.6
72.5°	1412.1	1410.5	1357.3	1323.9	1337.6	1398.4	1574.7	1688.7	1776.9	1846.8	1854.4
75°	1275.3	1263.1	1174.9	1106.5	1092.9	1147.6	1279.8	1363.4	1442.5	1507.8	1524.5
77.5°	1064.0	1033.6	943.9	863.3	837.5	878.5	977.3	1035.1	1092.9	1168.9	1168.9
80°	772.1	756.9	679.4	614.1	588.2	612.6	682.5	706.8	737.2	805.6	807.1
82.5°	498.6	481.8	430.2	389.1	366.3	381.5	410.4	421.0	446.9	487.9	486.4
85°	243.2	243.2	217.4	194.6	173.3	176.3	194.6	200.6	221.9	232.6	229.5
87.5°	60.8	66.9	59.3	54.7	48.6	48.6	54.7	54.7	66.9	66.9	63.8
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°	363.3
2.5°	366.3
5°	373.9
7.5°	381.5
10°	392.2
12.5°	408.9
15°	427.1
17.5°	453.0
20°	481.8
22.5°	512.2
25°	551.8
27.5°	603.4
30°	661.2
32.5°	729.6
35°	823.8
37.5°	936.3
40°	1062.5
42.5°	1234.2
45°	1501.7
47.5°	1685.7
50°	1890.9
52.5°	2357.5
55°	2529.2
57.5°	2556.6
60°	2547.5
62.5°	2660.0
65°	2656.9
67.5°	2444.1
70°	2178.1
72.5°	1866.5
75°	1530.6
77.5°	1161.3
80°	839.0
82.5°	489.4
85°	232.6
87.5°	69.9
90°	0.0

(END OF REPORT)