

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: P197866

Luminaire Tested: **TT-C6-LED-E1-WQ-CG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197866
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115498)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C6-LED-E1-WQ-CG
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH CLEAR GLASS LENS
Light Source: (160) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10851.1 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G2

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



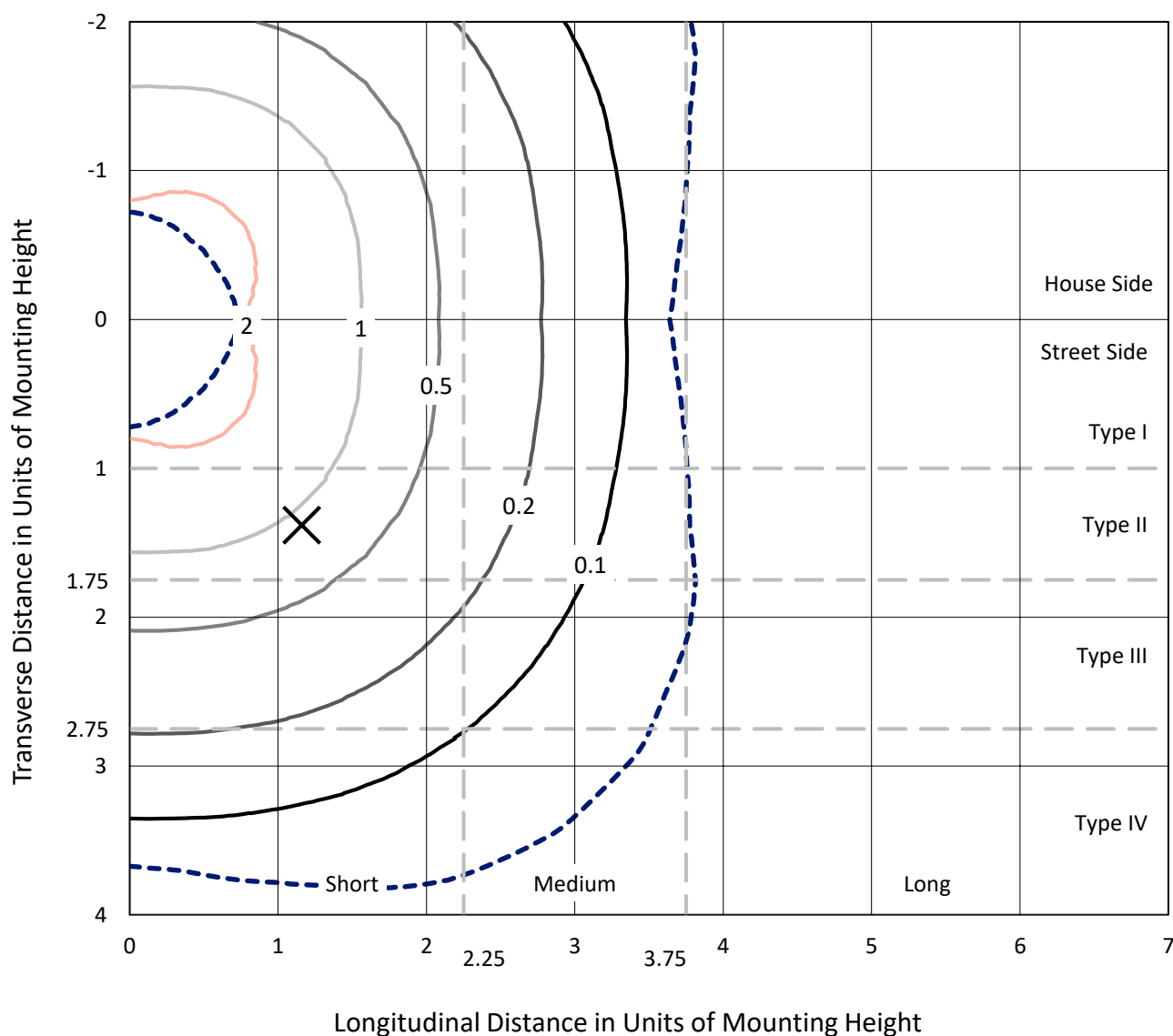
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

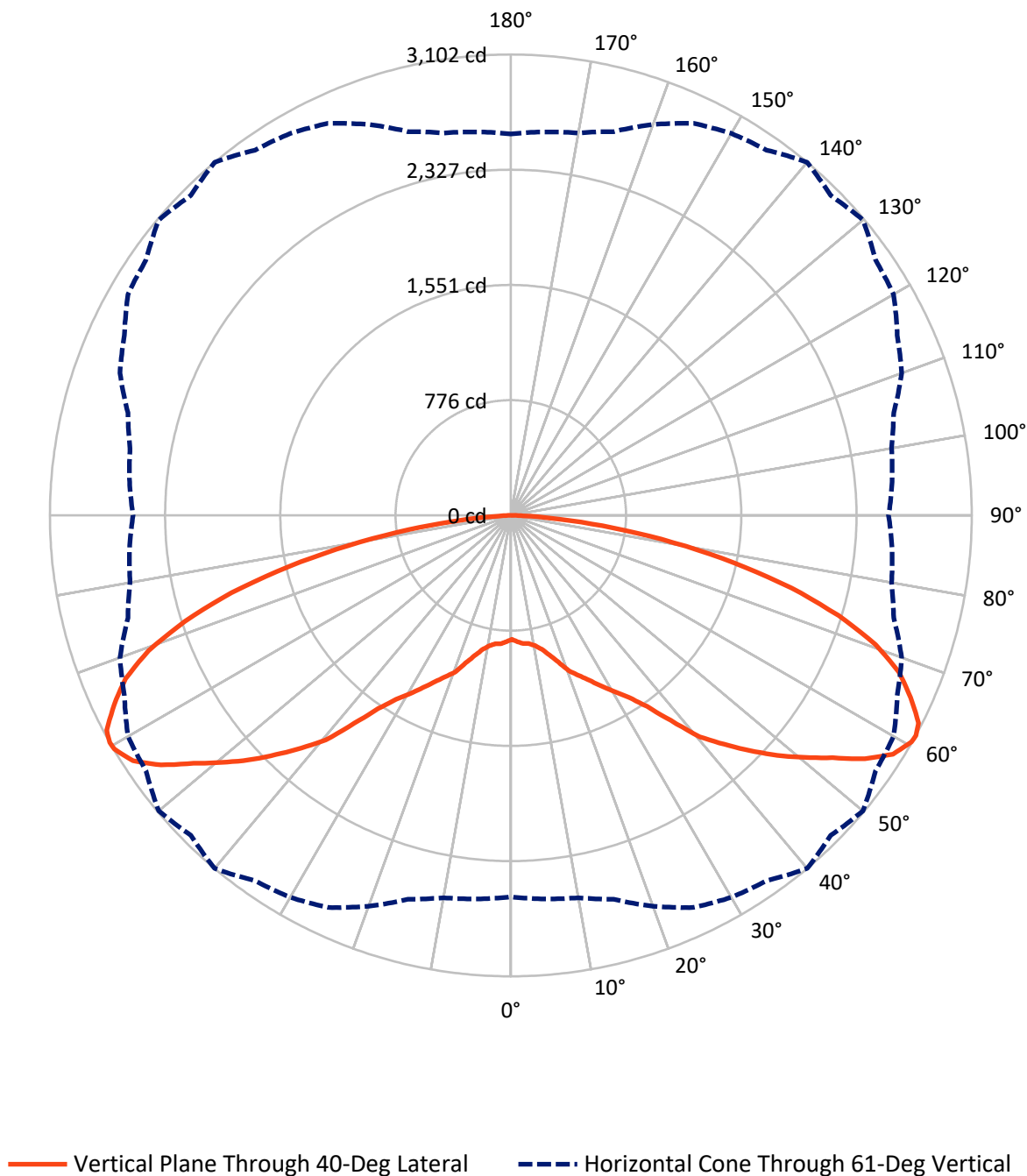


Based on 20 foot mounting height. Maximum calculated value = 2.3 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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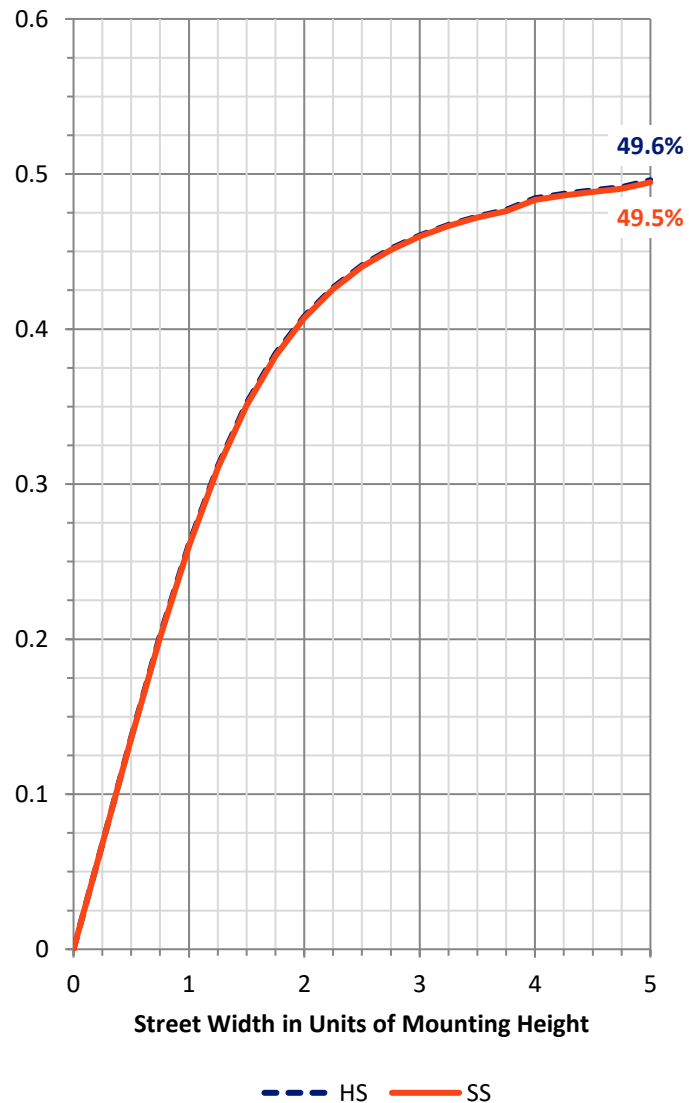
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5425.6	0.0	5425.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5425.6	0.0	5425.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	10851.1	0.0	10851.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.1	0.8
10°-20°	280.5	2.6
20°-30°	569.0	5.2
30°-40°	989.6	9.1
40°-50°	1665.8	15.4
50°-60°	2399.9	22.1
60°-70°	2663.0	24.5
70°-80°	1808.5	16.7
80°-90°	391.7	3.6
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°	10851.1	100.0
0°-180°	10851.1	100.0

Coefficient of Utilization



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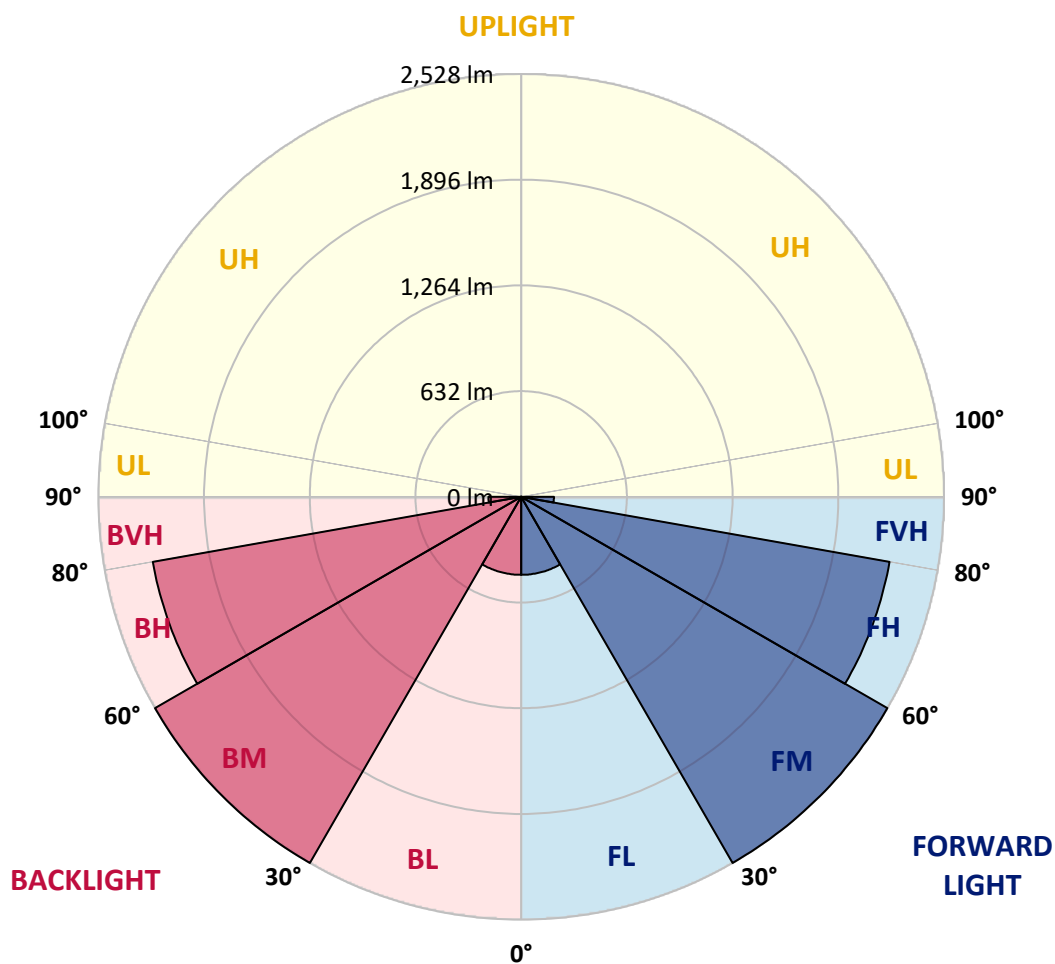
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	466.3	4.3			
FM	(30°-60°)	2527.6	23.3			
FH	(60°-80°)	2235.8	20.6			G2/5000
FVH	(80°-90°)	195.9	1.8			G2/225
BL	(0°-30°)	466.3	4.3	B1/500		
BM	(30°-60°)	2527.6	23.3	B3/5000		
BH	(60°-80°)	2235.8	20.6	B3/2500		G2/5000
BVH	(80°-90°)	195.9	1.8			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	833.7	833.7	833.7	833.7	833.7	833.7	833.7	833.7	833.7	833.7	833.7
2.5°	853.4	853.4	853.4	853.4	853.4	851.2	853.4	851.2	851.2	851.2	851.2
5°	860.0	862.2	862.2	862.2	862.2	864.4	864.4	866.6	866.6	866.6	866.6
7.5°	866.6	866.6	866.6	866.6	866.6	866.6	868.8	868.8	870.9	870.9	873.1
10°	892.9	892.9	895.1	895.1	892.9	892.9	892.9	890.7	890.7	888.5	888.5
12.5°	930.2	930.2	932.4	934.6	934.6	932.4	930.2	925.8	923.6	923.6	923.6
15°	958.7	960.9	965.3	969.7	971.9	971.9	974.1	974.1	974.1	971.9	969.7
17.5°	1013.5	1013.5	1015.7	1017.9	1017.9	1020.1	1024.5	1028.9	1037.7	1039.9	1033.3
20°	1092.5	1094.7	1101.3	1099.1	1099.1	1103.5	1107.9	1110.1	1116.7	1121.0	1121.0
22.5°	1151.8	1156.1	1164.9	1164.9	1162.7	1164.9	1169.3	1169.3	1169.3	1167.1	1171.5
25°	1197.8	1202.2	1208.8	1208.8	1213.2	1224.2	1237.3	1235.1	1228.5	1228.5	1226.3
27.5°	1259.3	1261.4	1265.8	1265.8	1272.4	1279.0	1287.8	1296.5	1300.9	1298.7	1294.4
30°	1336.0	1340.4	1344.8	1338.2	1349.2	1355.8	1360.2	1360.2	1377.7	1386.5	1371.1
32.5°	1393.1	1401.9	1410.6	1417.2	1439.1	1450.1	1443.5	1450.1	1458.9	1467.7	1467.7
35°	1487.4	1496.2	1502.8	1507.2	1529.1	1544.5	1562.0	1579.6	1577.4	1570.8	1583.9
37.5°	1623.4	1632.2	1638.8	1647.6	1676.1	1687.1	1700.2	1737.5	1750.7	1733.1	1741.9
40°	1768.2	1783.6	1805.5	1831.8	1873.5	1886.7	1908.6	1935.0	1959.1	1967.9	1945.9
42.5°	1893.3	1910.8	1915.2	1956.9	2007.3	2046.8	2077.6	2084.1	2106.1	2125.8	2110.5
45°	2027.1	2042.4	2053.4	2088.5	2117.0	2171.9	2222.3	2246.5	2257.4	2255.3	2272.8
47.5°	2152.1	2169.7	2185.0	2222.3	2257.4	2303.5	2336.4	2393.5	2413.2	2386.9	2415.4
50°	2228.9	2250.9	2270.6	2340.8	2402.2	2450.5	2476.8	2525.1	2560.2	2542.6	2549.2
52.5°	2356.2	2364.9	2380.3	2419.8	2501.0	2612.8	2639.2	2665.5	2709.4	2731.3	2691.8
55°	2518.5	2542.6	2564.6	2615.0	2656.7	2740.1	2860.7	2893.7	2891.5	2959.5	2898.0
57.5°	2553.6	2588.7	2632.6	2724.7	2805.9	2854.2	2930.9	3023.1	3031.9	3036.3	3045.0
60°	2558.0	2579.9	2608.5	2685.2	2827.8	2915.6	2959.5	3018.7	3097.7	3040.6	3099.9
61°	2566.8	2590.9	2612.8	2674.3	2799.3	2911.2	2968.2	3001.2	3102.1	3045.0	3093.3
62.5°	2551.4	2579.9	2612.8	2672.1	2755.4	2869.5	2979.2	2979.2	3080.1	3042.8	3069.2
65°	2459.3	2485.6	2549.2	2626.0	2726.9	2786.2	2900.2	2972.6	2957.3	3023.1	2957.3
67.5°	2303.5	2325.5	2380.3	2470.2	2579.9	2663.3	2716.0	2832.2	2816.9	2884.9	2810.3
70°	2084.1	2112.7	2180.7	2242.1	2345.2	2432.9	2503.2	2573.4	2604.1	2597.5	2601.9
72.5°	1820.9	1840.6	1902.0	1970.1	2051.2	2149.9	2213.6	2257.4	2305.7	2303.5	2312.3
75°	1515.9	1533.5	1586.1	1636.6	1715.6	1792.4	1864.7	1910.8	1950.3	1948.1	1939.3
77.5°	1169.3	1189.1	1248.3	1292.2	1329.5	1415.0	1469.9	1500.6	1533.5	1533.5	1537.9
80°	816.1	829.3	875.3	921.4	956.5	998.2	1068.4	1075.0	1112.3	1103.5	1112.3
82.5°	491.4	500.2	535.3	561.6	585.8	625.2	658.1	671.3	693.2	684.5	697.6
85°	221.6	226.0	247.9	263.3	274.2	296.2	313.7	320.3	331.3	329.1	337.8
87.5°	46.1	50.5	57.0	61.4	63.6	72.4	79.0	79.0	83.4	83.4	85.6
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	833.7	833.7	833.7	833.7	833.7	833.7	833.7	833.7
2.5°	851.2	853.4	851.2	851.2	851.2	853.4	851.2	853.4
5°	866.6	866.6	866.6	864.4	862.2	862.2	862.2	860.0
7.5°	875.3	875.3	873.1	870.9	868.8	870.9	870.9	870.9
10°	892.9	897.3	899.5	899.5	897.3	897.3	897.3	895.1
12.5°	923.6	925.8	932.4	934.6	936.8	934.6	928.0	925.8
15°	965.3	965.3	967.5	971.9	971.9	963.1	956.5	954.3
17.5°	1024.5	1022.3	1017.9	1017.9	1020.1	1015.7	1009.2	1009.2
20°	1114.5	1105.7	1101.3	1094.7	1101.3	1101.3	1088.1	1081.6
22.5°	1178.1	1169.3	1158.3	1151.8	1160.5	1167.1	1151.8	1143.0
25°	1232.9	1235.1	1217.6	1208.8	1211.0	1215.4	1195.6	1193.4
27.5°	1290.0	1294.4	1285.6	1270.2	1265.8	1274.6	1259.3	1254.9
30°	1360.2	1358.0	1362.4	1342.6	1333.8	1340.4	1338.2	1327.3
32.5°	1452.3	1441.3	1445.7	1428.2	1410.6	1410.6	1397.5	1384.3
35°	1579.6	1555.4	1544.5	1533.5	1500.6	1502.8	1491.8	1480.8
37.5°	1746.3	1709.0	1678.3	1684.9	1636.6	1632.2	1625.6	1610.3
40°	1937.1	1919.6	1884.5	1864.7	1814.3	1790.2	1781.4	1752.9
42.5°	2079.7	2084.1	2031.5	1996.4	1956.9	1915.2	1910.8	1882.3
45°	2233.3	2218.0	2169.7	2112.7	2095.1	2044.6	2038.1	2009.5
47.5°	2386.9	2334.2	2305.7	2246.5	2218.0	2154.3	2158.7	2132.4
50°	2531.7	2470.2	2443.9	2373.7	2329.8	2266.2	2250.9	2207.0
52.5°	2685.2	2628.2	2586.5	2496.6	2432.9	2384.7	2358.4	2340.8
55°	2891.5	2834.4	2740.1	2656.7	2604.1	2525.1	2516.3	2485.6
57.5°	2988.0	2946.3	2843.2	2784.0	2689.6	2608.5	2582.1	2520.7
60°	2999.0	2981.4	2871.7	2814.7	2676.5	2610.6	2577.7	2540.4
61°	2996.8	2974.8	2869.5	2799.3	2667.7	2601.9	2575.5	2542.6
62.5°	2988.0	2961.7	2845.4	2773.0	2650.1	2586.5	2564.6	2516.3
65°	2959.5	2887.1	2786.2	2720.3	2586.5	2529.5	2476.8	2428.6
67.5°	2834.4	2698.4	2656.7	2573.4	2437.3	2373.7	2325.5	2283.8
70°	2566.8	2476.8	2432.9	2329.8	2220.1	2167.5	2112.7	2060.0
72.5°	2253.1	2193.8	2156.5	2031.5	1950.3	1897.7	1847.2	1796.7
75°	1902.0	1858.2	1790.2	1695.8	1623.4	1570.8	1524.7	1500.6
77.5°	1494.0	1465.5	1412.8	1318.5	1279.0	1232.9	1186.9	1149.6
80°	1075.0	1053.0	1011.4	943.3	910.4	864.4	831.5	800.7
82.5°	669.1	651.6	627.4	577.0	563.8	535.3	504.6	482.6
85°	320.3	309.3	300.6	267.6	265.5	241.3	230.4	217.2
87.5°	83.4	81.2	76.8	65.8	63.6	57.0	52.7	46.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)