

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: LUMARK

Report Number: P511168

Luminaire Tested: **PRV-P-PA1B-8540-U-T2R**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-1)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-PA1B-8540-U-T2R
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 85 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5764.4 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 52.8
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: 28.75 FT

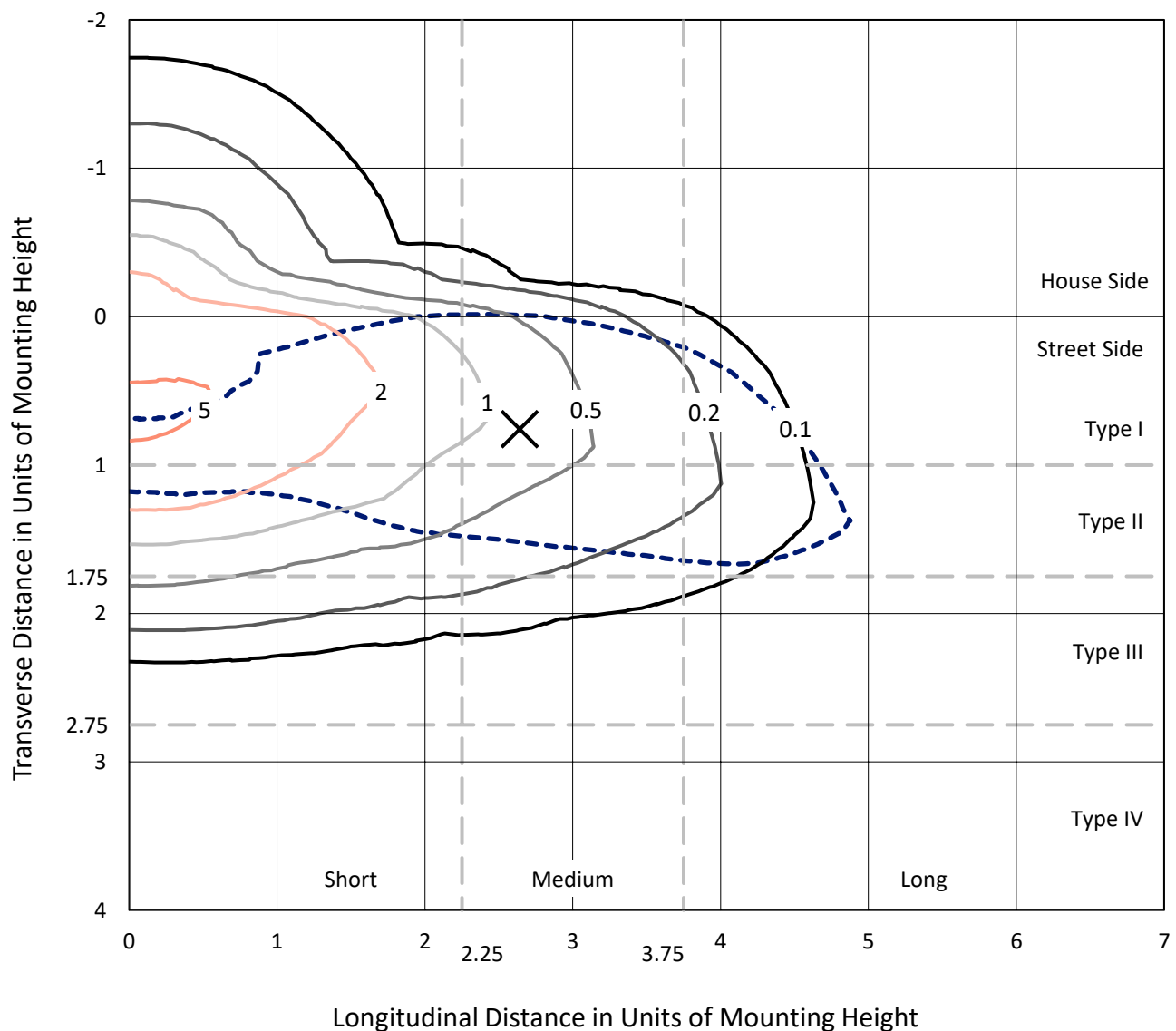


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

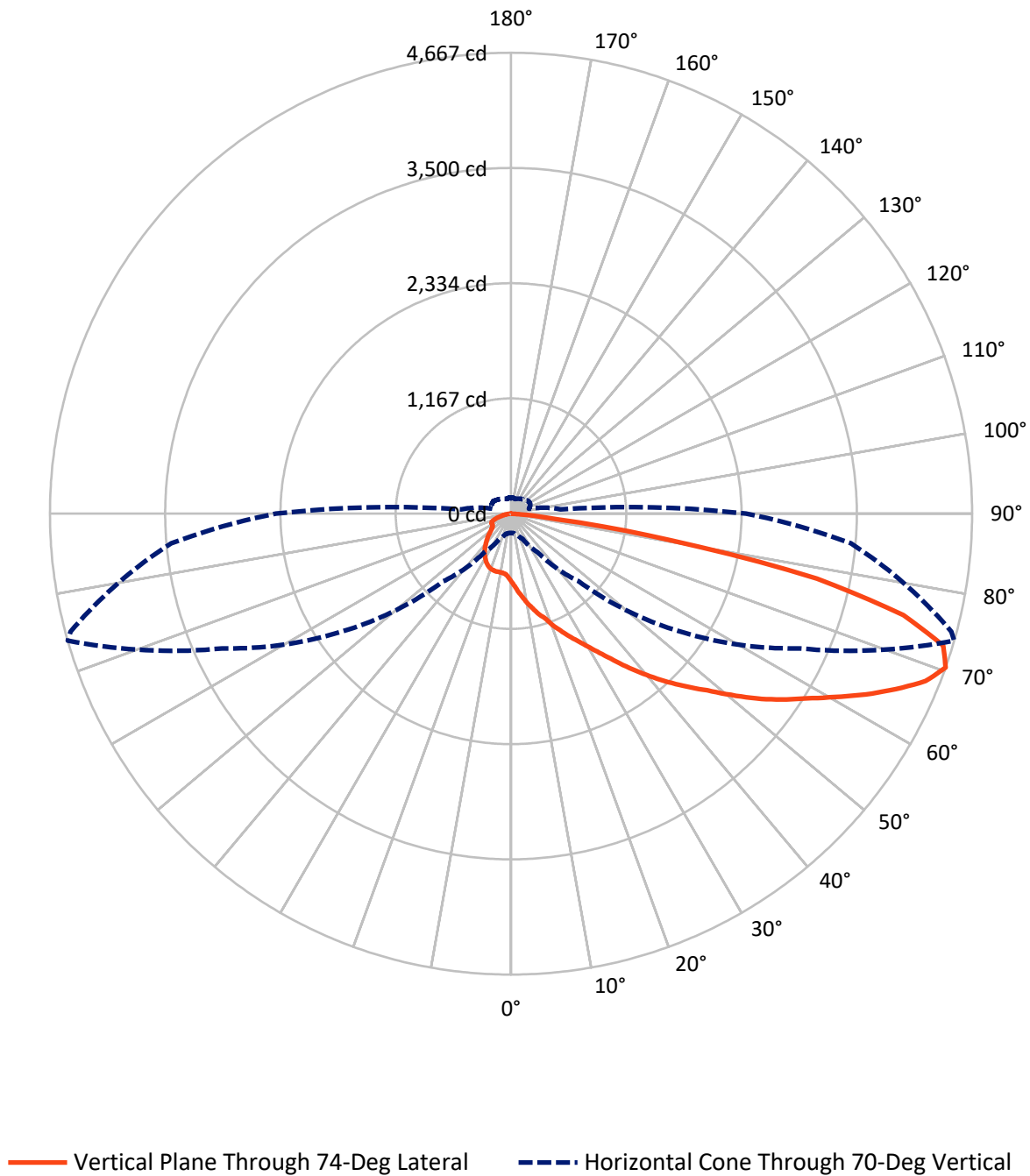


Based on 15 foot mounting height. Maximum calculated value = 6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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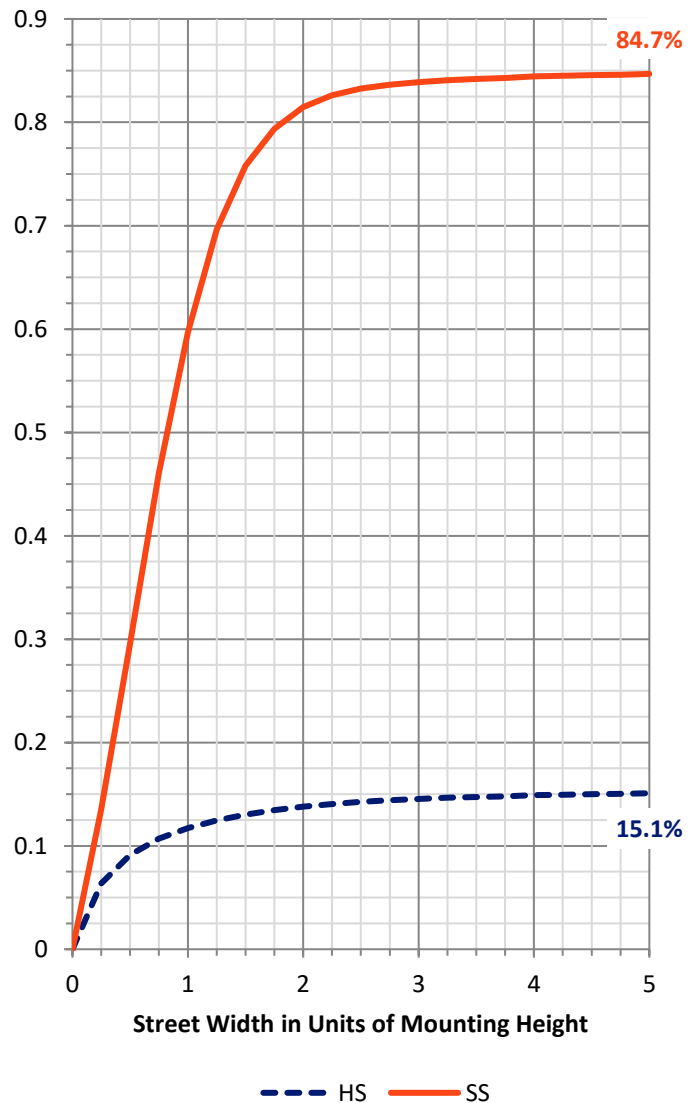
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	876.9	0.0	876.9
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	4887.5	0.0	4887.5
	% Fixture	84.8	0.0	84.8
Total	Lumens	5764.4	0.0	5764.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.2	1.3
10°-20°	241.3	4.2
20°-30°	448.8	7.8
30°-40°	756.9	13.1
40°-50°	1073.0	18.6
50°-60°	1233.3	21.4
60°-70°	1150.7	20.0
70°-80°	713.6	12.4
80°-90°	74.6	1.3
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°	5764.4	100.0
0°-180°	5764.4	100.0

Coefficient of Utilization



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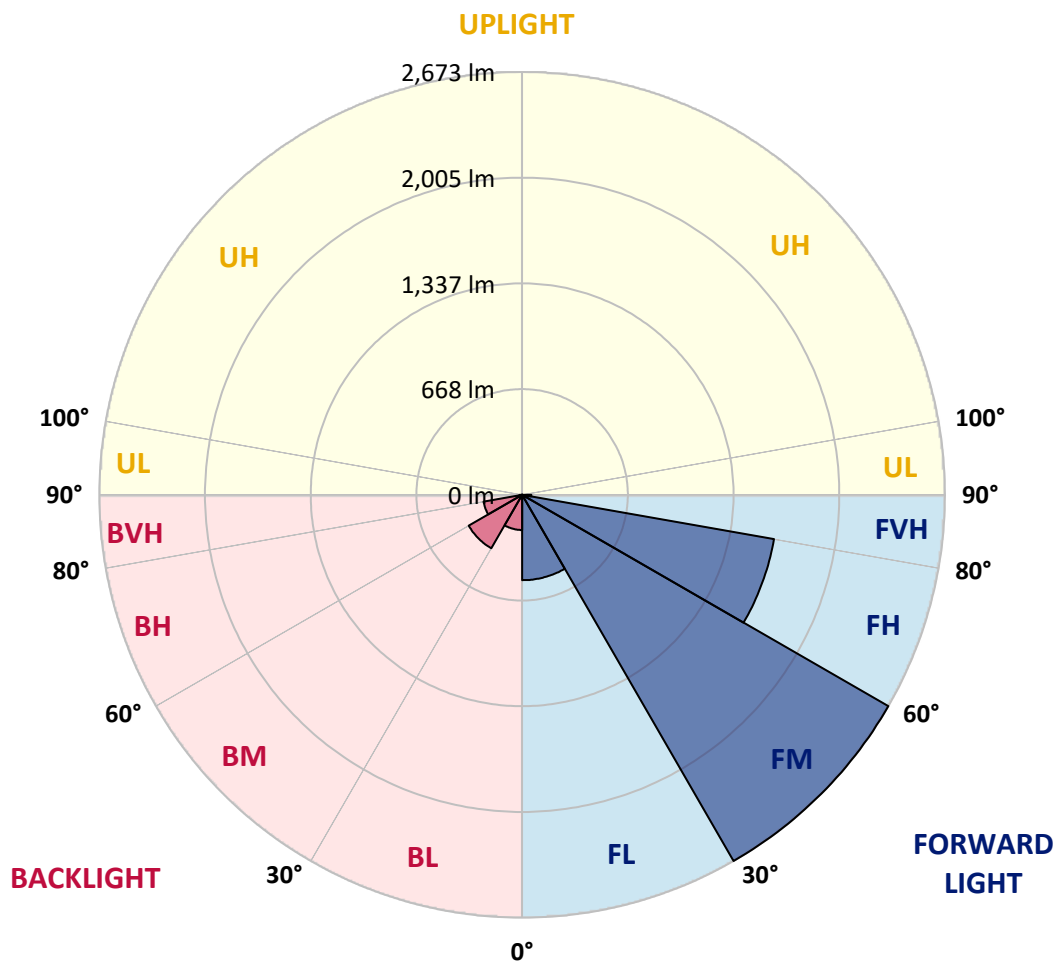
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	539.8	9.4			
FM	(30°-60°)	2673.2	46.4			
FH	(60°-80°)	1616.8	28.0			G1/1800
FVH	(80°-90°)	57.8	1.0			G1/100
BL	(0°-30°)	222.5	3.9	B1/500		
BM	(30°-60°)	390.0	6.8	B1/1000		
BH	(60°-80°)	247.5	4.3	B1/500		G1/500
BVH	(80°-90°)	16.8	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	688.5	688.5	688.5	688.5	688.5	688.5	688.5	688.5	688.5	688.5	688.5
2.5°	862.6	867.6	863.8	856.1	842.0	812.6	793.4	771.6	735.9	735.9	708.9
5°	981.6	981.6	975.1	967.5	954.6	923.9	894.5	849.7	797.3	792.2	733.3
7.5°	1036.5	1036.5	1036.5	1035.3	1030.2	1005.8	972.6	917.5	856.1	851.0	757.6
10°	1083.9	1080.1	1081.3	1083.9	1078.8	1076.2	1048.0	995.6	923.9	916.3	803.7
12.5°	1132.5	1124.9	1127.4	1132.5	1136.4	1127.4	1106.9	1064.7	985.4	980.2	843.3
15°	1165.8	1165.8	1169.6	1179.9	1185.0	1186.2	1170.9	1139.0	1055.7	1043.0	891.9
17.5°	1190.2	1188.8	1196.5	1214.4	1233.6	1241.3	1246.5	1210.6	1113.3	1108.3	938.0
20°	1219.5	1219.5	1229.8	1255.4	1279.7	1301.4	1315.5	1300.2	1205.5	1187.6	998.2
22.5°	1304.0	1304.0	1302.8	1316.8	1341.1	1357.8	1380.8	1379.5	1286.1	1264.3	1054.5
25°	1507.5	1516.4	1476.7	1430.7	1429.4	1435.8	1441.0	1480.7	1377.0	1360.3	1114.6
27.5°	1800.5	1809.5	1749.4	1676.4	1575.3	1527.9	1507.5	1575.3	1467.8	1452.5	1170.9
30°	2075.7	2059.1	2027.0	1947.7	1805.7	1673.8	1594.5	1668.7	1574.1	1542.0	1217.0
32.5°	2262.5	2251.0	2222.9	2148.6	2032.2	1873.5	1704.6	1757.1	1695.6	1666.1	1289.9
35°	2366.1	2362.3	2332.9	2297.1	2233.1	2103.8	1859.4	1864.6	1839.0	1813.3	1373.1
37.5°	2453.2	2444.2	2413.5	2379.0	2354.6	2288.1	2064.1	1965.6	2004.0	1955.4	1461.4
40°	2512.0	2504.3	2481.3	2445.5	2441.7	2434.0	2276.6	2098.7	2164.0	2116.6	1563.8
42.5°	2540.2	2532.5	2527.4	2494.2	2501.8	2536.4	2478.8	2256.1	2331.6	2276.6	1679.0
45°	2555.6	2549.1	2545.3	2519.8	2527.4	2599.1	2641.3	2436.5	2499.3	2449.4	1798.0
47.5°	2523.6	2517.2	2540.2	2530.0	2549.1	2640.0	2745.0	2624.7	2673.3	2609.3	1934.9
50°	2370.0	2390.5	2455.7	2495.4	2536.4	2656.6	2843.5	2816.6	2884.4	2806.4	2088.5
52.5°	1951.5	1986.1	2211.3	2377.7	2495.4	2658.0	2908.8	3006.0	3109.7	3055.9	2243.3
55°	1545.9	1585.6	1775.0	2101.3	2377.7	2633.6	2938.2	3126.3	3322.1	3245.3	2404.6
57.5°	1311.7	1334.7	1408.9	1709.7	2128.1	2560.7	2998.3	3218.4	3529.5	3477.0	2569.6
60°	1105.7	1109.5	1187.6	1377.0	1767.2	2384.1	3034.2	3288.8	3767.4	3698.3	2752.6
62.5°	840.8	870.2	949.5	1099.3	1412.8	2088.5	3047.0	3360.5	4031.0	3976.1	2966.3
65°	525.9	545.1	637.3	831.8	1115.9	1698.2	2901.1	3432.1	4281.9	4239.6	3180.1
67.5°	282.8	298.2	364.7	508.0	801.1	1327.0	2550.5	3410.4	4526.3	4493.0	3375.8
70°	195.8	197.1	212.4	285.4	486.3	968.7	2073.1	3228.7	4667.1	4615.9	3452.6
72.5°	162.6	165.1	172.7	189.4	261.1	596.3	1502.3	2878.1	4574.9	4504.5	3290.1
75°	138.2	139.5	147.2	156.1	176.6	314.8	956.0	2372.6	4101.4	4031.0	2774.4
77.5°	113.9	116.4	122.9	134.4	147.2	180.4	497.8	1845.3	3167.2	3081.5	1826.1
80°	80.6	81.9	89.6	102.3	120.3	126.7	192.0	1105.7	1648.3	1513.9	696.2
82.5°	47.4	49.9	60.1	70.4	88.3	75.5	89.6	419.8	463.2	415.9	144.6
85°	11.5	14.1	20.4	28.2	35.9	25.6	39.7	81.9	96.0	88.3	26.9
87.5°	1.3	1.3	1.3	1.3	2.6	3.8	6.4	6.4	6.4	5.1	3.8
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°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	688.5	688.5	688.5	688.5	688.5	688.5	688.5	688.5	688.5	688.5	688.5
2.5°	691.1	678.2	651.4	627.0	609.2	593.7	587.4	573.3	570.7	565.6	566.9
5°	697.4	669.3	621.9	587.4	569.5	555.4	547.7	546.5	547.7	546.5	547.7
7.5°	712.8	671.8	611.7	573.3	560.5	554.1	551.5	551.5	555.4	554.1	552.8
10°	734.5	682.1	607.8	572.1	564.4	561.8	559.2	560.5	561.8	564.4	555.4
12.5°	765.2	694.9	605.3	573.3	564.4	560.5	556.6	556.6	559.2	554.1	556.6
15°	789.6	711.5	607.8	569.5	559.2	552.8	546.5	543.9	541.3	540.0	538.8
17.5°	824.1	729.4	605.3	565.6	549.0	536.2	523.4	518.3	515.7	513.2	511.8
20°	863.8	741.0	601.4	555.4	531.1	511.8	497.8	487.6	478.6	477.3	473.5
22.5°	897.1	760.1	591.2	538.8	508.0	483.7	463.2	453.0	441.5	435.1	431.3
25°	945.7	780.7	575.9	514.4	477.3	454.3	426.1	413.3	400.6	391.6	391.6
27.5°	977.7	787.0	559.2	487.6	446.6	410.8	385.2	368.6	357.0	350.6	350.6
30°	1022.5	802.3	532.4	460.7	410.8	378.8	346.8	331.4	321.2	310.9	307.1
32.5°	1068.6	812.6	509.3	427.4	376.2	337.9	313.5	304.6	287.9	275.1	272.6
35°	1129.9	827.9	479.9	394.2	339.1	309.7	299.4	279.0	256.0	243.1	240.6
37.5°	1204.2	844.6	446.6	357.0	308.4	291.7	286.7	253.4	235.4	230.4	230.4
40°	1288.7	857.4	410.8	322.5	276.4	281.6	268.7	238.0	226.5	223.9	222.7
42.5°	1378.2	868.9	377.5	286.7	257.2	266.1	250.8	232.9	222.7	220.1	217.5
45°	1475.5	871.5	344.2	259.8	240.6	244.5	238.0	226.5	217.5	216.3	215.0
47.5°	1581.7	874.1	308.4	235.4	230.4	223.9	227.8	217.5	212.4	211.2	209.8
50°	1712.3	867.6	275.1	220.1	222.7	211.2	216.3	209.8	208.6	206.0	203.5
52.5°	1827.4	847.1	249.5	212.4	217.5	208.6	207.3	204.8	204.8	199.7	197.1
55°	1937.5	819.0	232.9	208.6	211.2	204.8	203.5	200.9	199.7	193.2	192.0
57.5°	2041.1	778.1	222.7	209.8	208.6	202.2	202.2	198.3	192.0	189.4	186.8
60°	2180.6	743.5	218.8	212.4	206.0	200.9	200.9	194.5	188.2	184.2	183.0
62.5°	2311.2	706.4	217.5	217.5	207.3	199.7	198.3	192.0	183.0	181.7	179.2
65°	2444.2	660.3	216.3	223.9	209.8	199.7	195.8	186.8	176.6	176.6	174.1
67.5°	2472.4	602.8	207.3	225.2	212.4	198.3	190.7	179.2	167.6	170.2	165.1
70°	2379.0	504.2	188.2	216.3	218.8	198.3	181.7	167.6	153.5	165.1	154.9
72.5°	2097.4	398.0	157.4	189.4	213.7	198.3	171.5	152.3	134.4	133.1	124.1
75°	1656.0	267.5	121.6	148.5	194.5	198.3	156.1	133.1	113.9	103.7	103.7
77.5°	1002.0	176.6	93.4	104.9	156.1	183.0	136.9	103.7	85.7	79.3	76.8
80°	330.2	98.5	69.1	73.0	97.2	133.1	116.4	81.9	62.7	55.0	48.6
82.5°	89.6	52.5	44.8	41.0	48.6	98.5	92.2	53.7	38.4	32.0	24.4
85°	21.8	21.8	20.4	17.9	15.3	29.4	35.9	12.8	7.7	3.8	3.8
87.5°	3.8	3.8	3.8	3.8	2.6	1.3	1.3	0.0	1.3	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)