

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: P210497

Luminaire Tested: **CLCSLED-55-SM-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P210497
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P28993)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: CLCSLED-55-SM-UNV
Description: Canopy Wall Pack
Light Source: (1) 4000K CCT, 72 CRI LEDS
CLU038-1210
Ballast/Driver: IPP ELECTRONIC DRIVER
iPP LP1056-36-C1400

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7230 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 0.83' x H: 0.12')
IES Classification: Type V - Short - Cutoff
BUG Rating: B2 - U3 - G1

Input Watts (W): 56.1
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

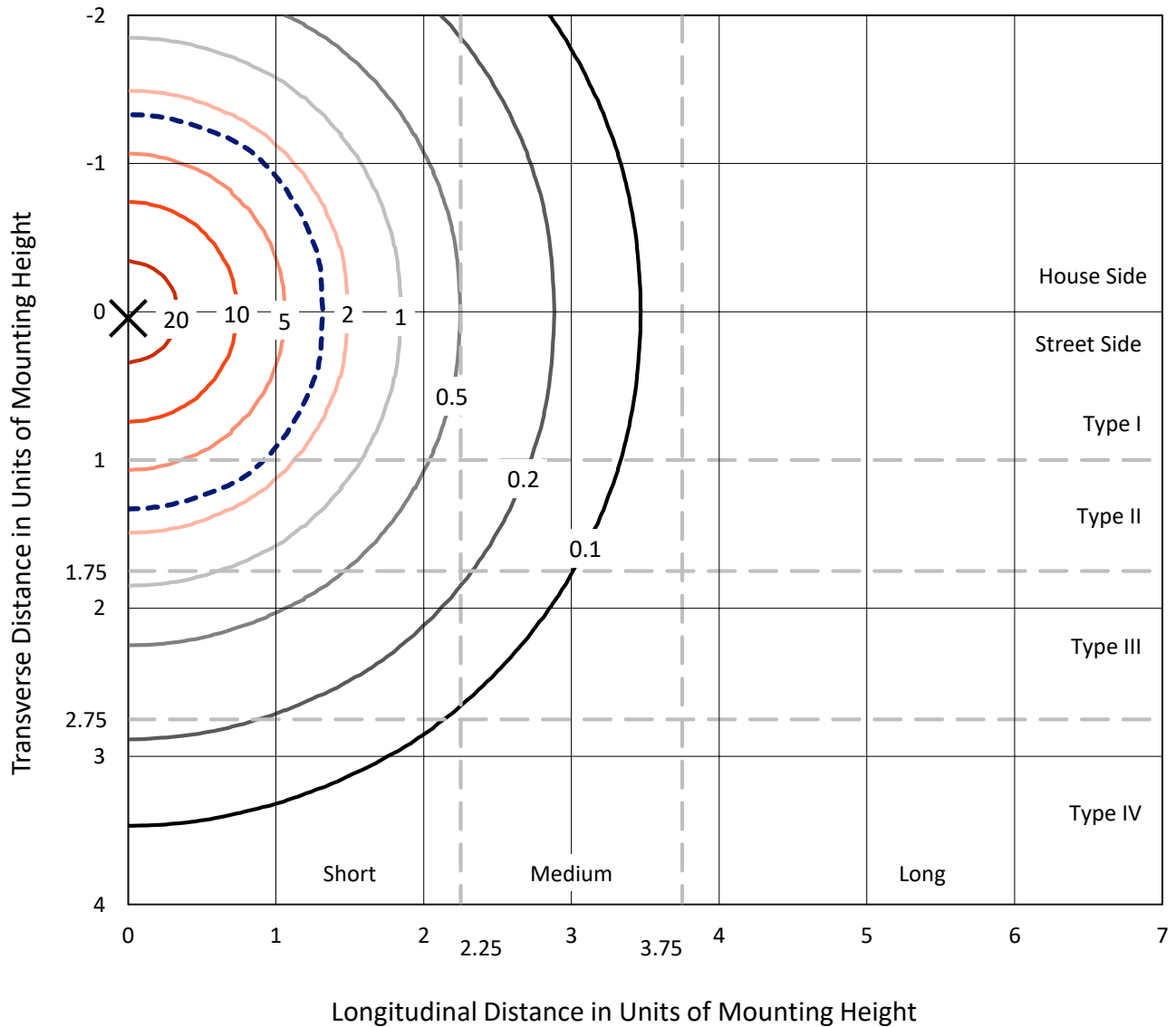


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Iso-Footcandle Lines of Horizontal Illumination

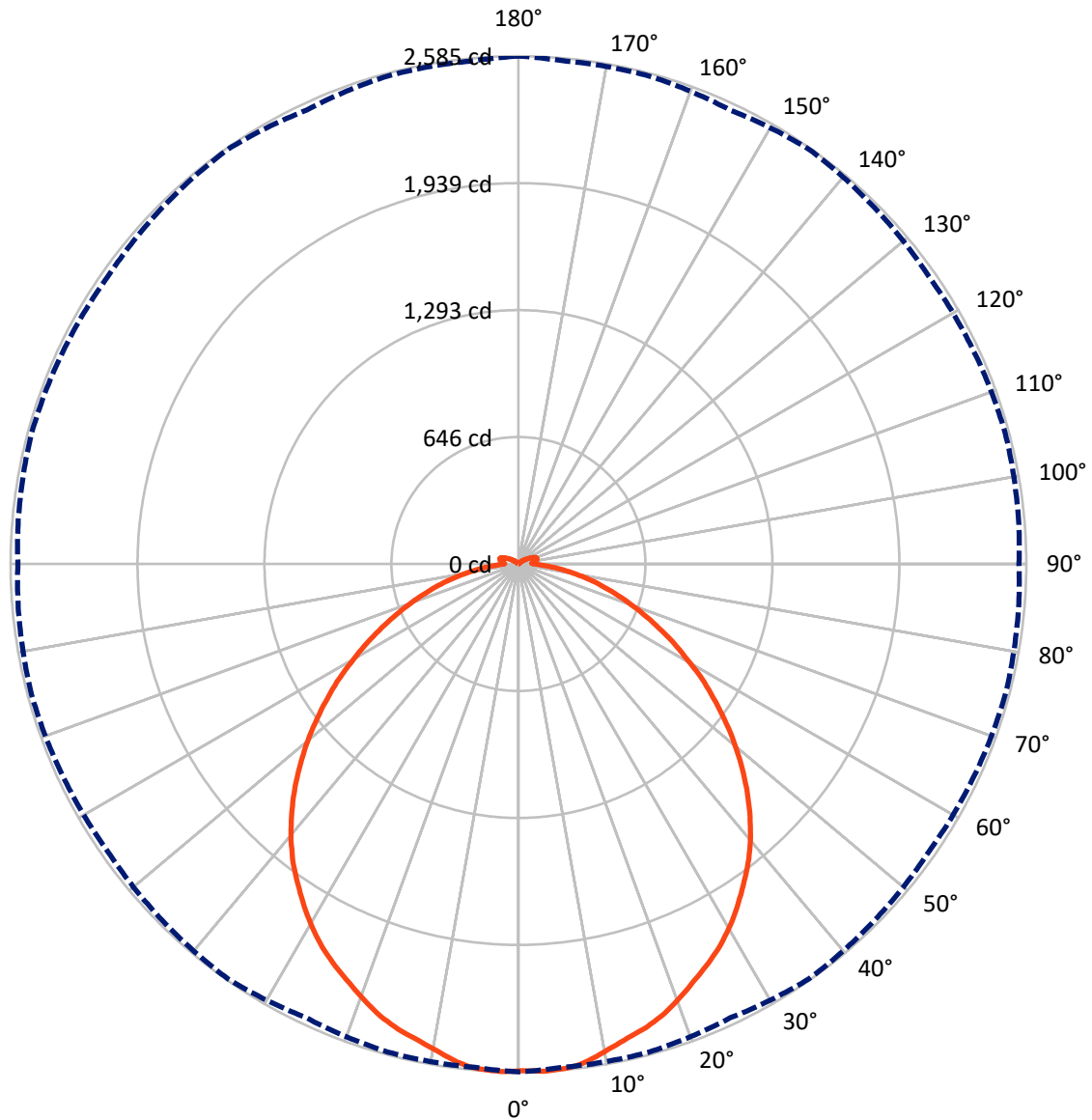
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.8 fc
 Type V - Short - Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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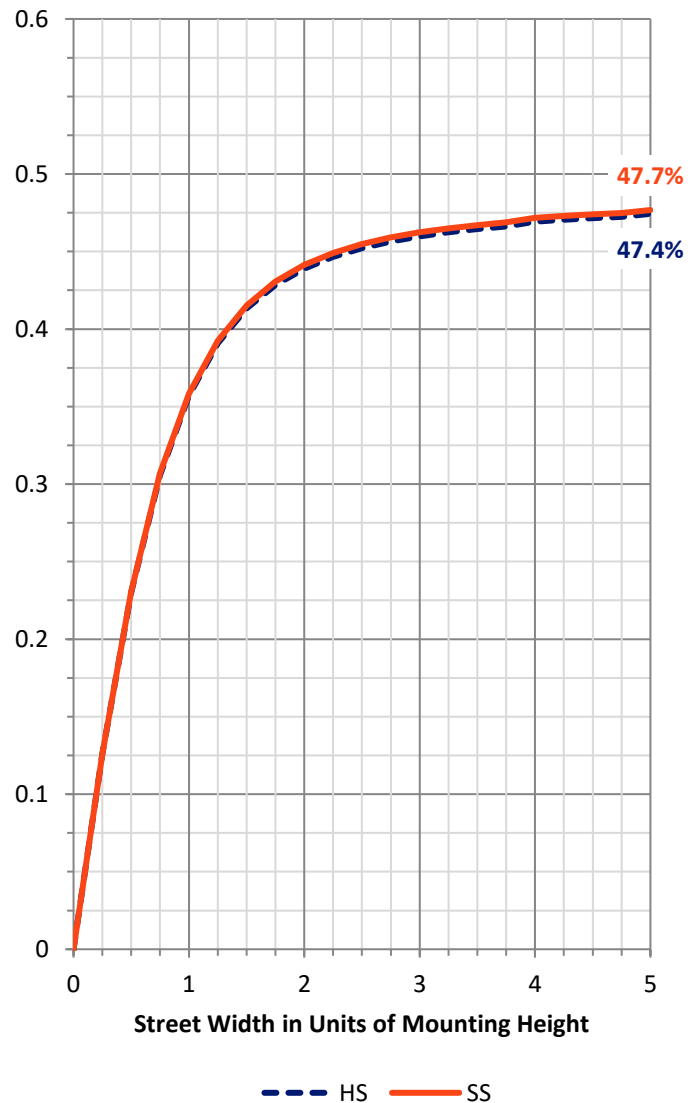
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3481.9	133.1	3615.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	3481.9	133.1	3615.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	6963.8	266.2	7230.0
	% Fixture	96.3	3.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.4	3.4
10°-20°	684.2	9.5
20°-30°	1026.9	14.2
30°-40°	1228.9	17.0
40°-50°	1250.0	17.3
50°-60°	1087.7	15.0
60°-70°	796.7	11.0
70°-80°	465.5	6.4
80°-90°	181.5	2.5
90°-100°	83.1	1.1
100°-110°	93.8	1.3
110°-120°	60.6	0.8
120°-130°	23.0	0.3
130°-140°	5.5	0.1
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6963.8	96.3
0°-180°	7230.0	100.0



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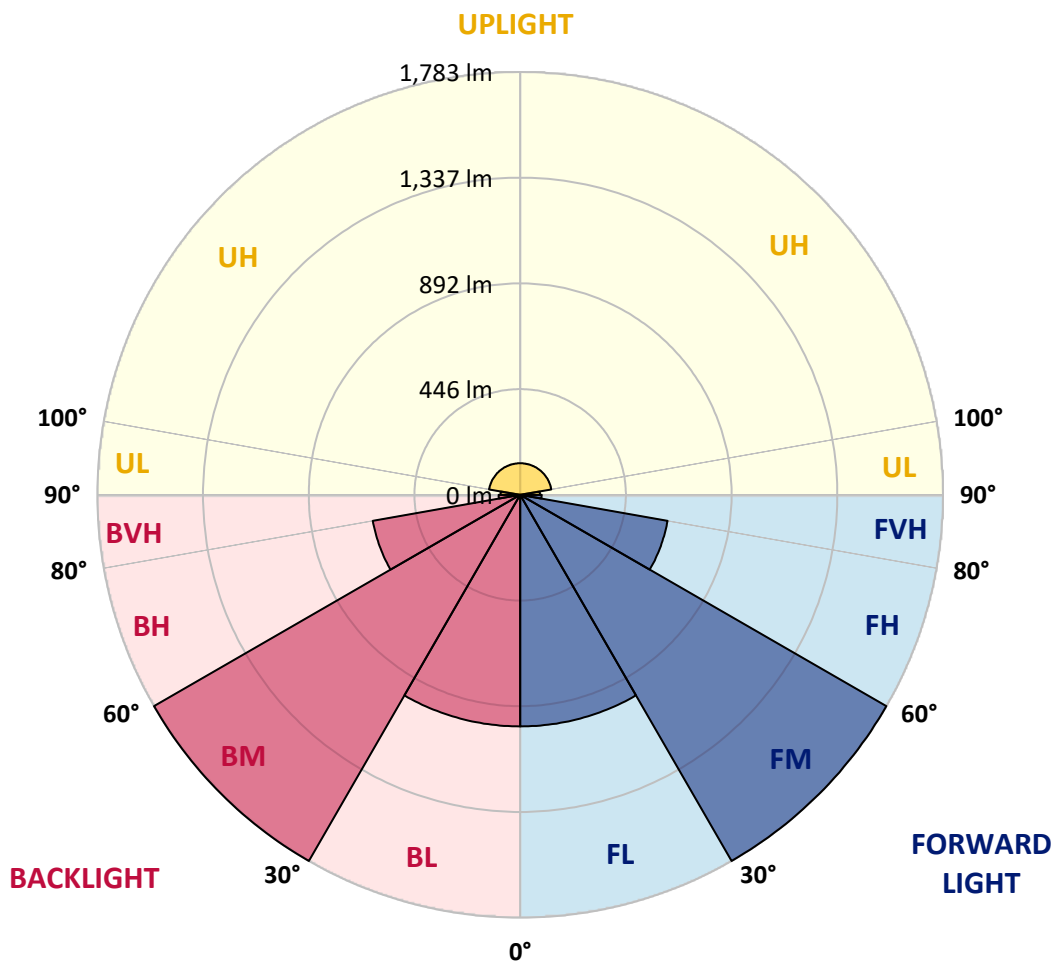
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	976.8	13.5			
FM	(30°-60°)	1783.3	24.7			
FH	(60°-80°)	631.1	8.7			G0/660
FVH	(80°-90°)	90.7	1.3			G1/100
BL	(0°-30°)	976.8	13.5	B2/1000		
BM	(30°-60°)	1783.3	24.7	B2/2500		
BH	(60°-80°)	631.1	8.7	B2/1000		G0/660
BVH	(80°-90°)	90.7	1.3			G1/100
UL	(90°-100°)	83.1	1.1		U3/500	
UH	(100°-180°)	133.1	1.8		U3/500	

BUG Rating: B2-U3-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2579.4	2579.4	2579.4	2579.4	2579.4	2579.4	2579.4	2579.4	2579.4	2579.4	2579.4
2.5°	2585.3	2572.0	2572.0	2549.8	2577.9	2564.6	2551.2	2558.6	2566.0	2555.7	2548.3
5°	2577.9	2566.0	2564.6	2546.8	2573.5	2561.6	2548.3	2555.7	2564.6	2554.2	2546.8
6°	2572.0	2560.1	2558.6	2540.9	2569.0	2555.7	2543.8	2551.2	2560.1	2548.3	2542.3
7.5°	2554.2	2543.8	2542.3	2526.0	2551.2	2539.4	2527.5	2534.9	2545.3	2533.5	2527.5
10°	2512.7	2500.9	2497.9	2481.6	2511.2	2496.4	2484.6	2492.0	2500.9	2487.5	2484.6
12.5°	2475.7	2465.3	2462.3	2446.0	2472.7	2457.9	2447.5	2454.9	2463.8	2450.5	2449.0
15°	2446.0	2437.2	2431.2	2416.4	2441.6	2426.8	2416.4	2423.8	2435.7	2420.9	2417.9
17.5°	2406.0	2397.2	2391.2	2374.9	2400.1	2383.8	2373.4	2382.3	2392.7	2377.9	2376.4
20°	2354.2	2346.8	2339.4	2323.1	2348.3	2332.0	2321.6	2329.0	2340.9	2321.6	2324.6
22.5°	2299.4	2292.0	2283.1	2268.3	2293.4	2274.2	2265.3	2271.2	2284.6	2266.8	2268.3
25°	2249.0	2243.1	2234.2	2217.9	2241.6	2223.8	2216.4	2222.3	2231.2	2214.9	2216.4
27.5°	2194.2	2188.3	2180.8	2166.0	2186.8	2169.0	2161.6	2167.5	2176.4	2161.6	2163.1
30°	2129.0	2126.0	2114.2	2102.3	2123.1	2105.3	2097.9	2103.8	2111.2	2094.9	2099.4
32.5°	2056.4	2053.4	2043.1	2032.7	2050.5	2034.2	2026.8	2031.2	2041.6	2025.3	2028.2
35°	1980.8	1979.4	1967.5	1958.6	1977.9	1960.1	1952.7	1960.1	1967.5	1951.2	1955.6
37.5°	1905.3	1902.3	1891.9	1886.0	1902.3	1886.0	1878.6	1886.0	1891.9	1875.6	1878.6
40°	1819.3	1817.9	1809.0	1800.1	1817.9	1804.5	1797.1	1804.5	1806.0	1789.7	1794.2
42.5°	1726.0	1724.5	1718.6	1714.2	1730.5	1718.6	1709.7	1711.2	1721.6	1697.9	1703.8
45°	1628.2	1628.2	1622.3	1619.3	1637.1	1626.7	1617.9	1616.4	1620.8	1601.6	1607.5
47.5°	1526.0	1526.0	1523.0	1521.6	1542.3	1531.9	1524.5	1524.5	1521.6	1502.3	1508.2
50°	1420.8	1422.3	1420.8	1422.3	1443.0	1434.1	1426.7	1423.8	1423.8	1401.5	1406.0
52.5°	1312.7	1314.1	1315.6	1320.1	1342.3	1333.4	1326.0	1317.1	1321.5	1297.8	1300.8
55°	1204.5	1207.5	1208.9	1216.4	1238.6	1232.7	1223.8	1214.9	1217.8	1189.7	1195.6
57.5°	1100.8	1099.3	1100.8	1109.7	1133.4	1128.9	1123.0	1117.1	1109.7	1084.5	1090.4
60°	988.2	991.2	994.1	1004.5	1029.7	1026.7	1020.8	1010.4	1004.5	982.3	985.2
62.5°	887.4	887.4	890.4	900.8	924.5	924.5	920.0	908.2	900.8	881.5	883.0
65°	786.7	788.2	789.7	798.6	822.3	823.7	817.8	808.9	800.0	780.8	783.7
67.5°	690.4	690.4	691.9	699.3	718.6	721.5	718.6	709.7	702.3	687.4	688.9
70°	600.0	598.5	600.0	606.0	622.3	622.3	620.8	614.8	608.9	597.1	598.5
72.5°	514.1	514.1	514.1	515.6	527.4	527.4	527.4	524.5	523.0	514.1	514.1
75°	435.6	435.6	432.6	435.6	440.0	438.5	440.0	440.0	440.0	435.6	435.6
77.5°	360.0	360.0	358.5	357.1	358.5	355.6	358.5	361.5	364.5	360.0	361.5
80°	283.0	284.5	284.5	284.5	280.0	278.5	281.5	285.9	291.9	287.4	287.4
82.5°	216.3	217.8	217.8	217.8	211.9	211.9	214.8	219.3	223.7	220.8	220.8
85°	157.0	158.5	158.5	158.5	154.1	152.6	155.6	160.0	163.0	160.0	161.5
87.5°	109.6	111.1	111.1	109.6	106.7	105.2	108.2	112.6	114.1	111.1	112.6
90°	78.5	78.5	78.5	78.5	75.6	75.6	77.0	80.0	81.5	78.5	78.5
92.5°	69.6	69.6	69.6	69.6	69.6	69.6	69.6	71.1	71.1	68.2	69.6
95°	74.1	74.1	74.1	72.6	72.6	72.6	72.6	74.1	74.1	72.6	74.1
97.5°	80.0	80.0	80.0	78.5	78.5	78.5	78.5	80.0	81.5	80.0	81.5
100°	87.4	87.4	85.9	84.4	83.0	83.0	84.4	87.4	88.9	88.9	90.4
102.5°	94.8	93.3	91.9	88.9	85.9	85.9	87.4	91.9	96.3	96.3	97.8
105°	97.8	97.8	93.3	90.4	84.4	83.0	85.9	93.3	97.8	100.7	102.2
107.5°	97.8	96.3	91.9	85.9	78.5	77.0	80.0	88.9	96.3	99.3	100.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	93.3	91.9	85.9	78.5	71.1	66.7	71.1	81.5	88.9	93.3	96.3
112.5°	84.4	84.4	77.0	69.6	60.7	57.8	60.7	69.6	80.0	85.9	87.4
115°	74.1	72.6	66.7	57.8	50.4	47.4	50.4	59.3	68.2	74.1	75.6
117.5°	62.2	62.2	56.3	47.4	40.0	37.0	40.0	47.4	56.3	62.2	63.7
120°	51.9	50.4	44.4	37.0	31.1	29.6	31.1	37.0	45.9	50.4	51.9
122.5°	41.5	41.5	37.0	29.6	25.2	22.2	23.7	29.6	37.0	40.0	41.5
125°	32.6	32.6	28.1	22.2	17.8	16.3	17.8	22.2	29.6	32.6	32.6
127.5°	25.2	25.2	22.2	17.8	13.3	11.9	11.9	17.8	22.2	25.2	25.2
130°	19.3	19.3	16.3	13.3	8.9	7.4	8.9	13.3	16.3	19.3	19.3
132.5°	14.8	14.8	11.9	10.4	5.9	3.0	5.9	8.9	11.9	13.3	14.8
135°	10.4	10.4	8.9	5.9	3.0	0.0	3.0	5.9	8.9	10.4	10.4
137.5°	7.4	7.4	5.9	4.4	1.5	0.0	1.5	4.4	5.9	7.4	7.4
140°	4.4	4.4	3.0	1.5	0.0	0.0	0.0	1.5	3.0	4.4	4.4
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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)