

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: P210498

Luminaire Tested: **CLCSLED-55-SM-UNV-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P210498
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-7050
Description: Canopy Wall Pack
Light Source: (1) 5000K CCT, 72 CRI LEDS
CLU038-1210
Ballast/Driver: IPP ELECTRONIC DRIVER
iPP LP1056-36-C1400

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6878 lumens
Efficiency: N/A
Efficacy: 122.6 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

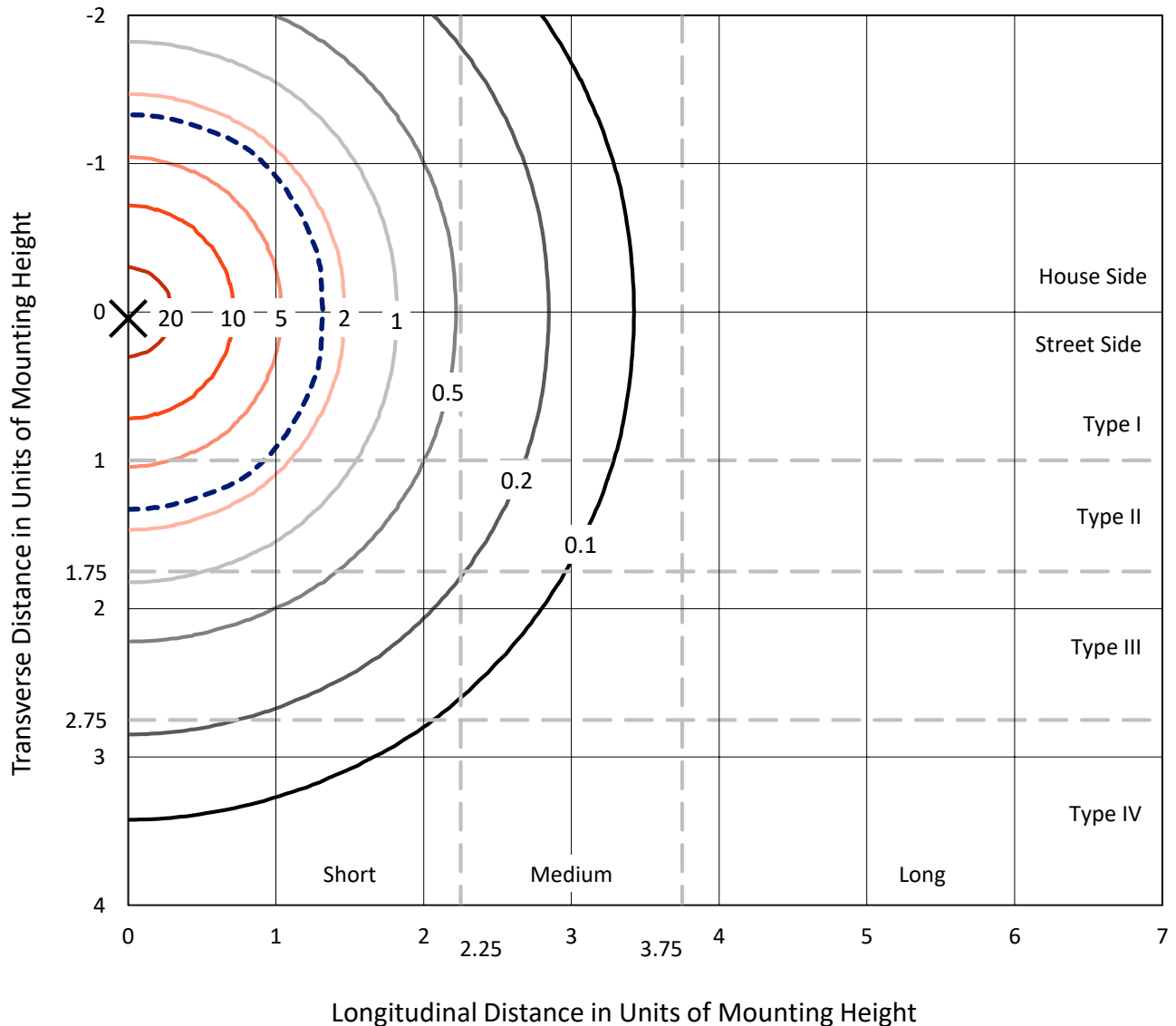
Input Watts (W): 56.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P210498
 CATALOG NUMBER: CLCSLED-55-SM-UNV-7050

Iso-Footcandle Lines of Horizontal Illumination

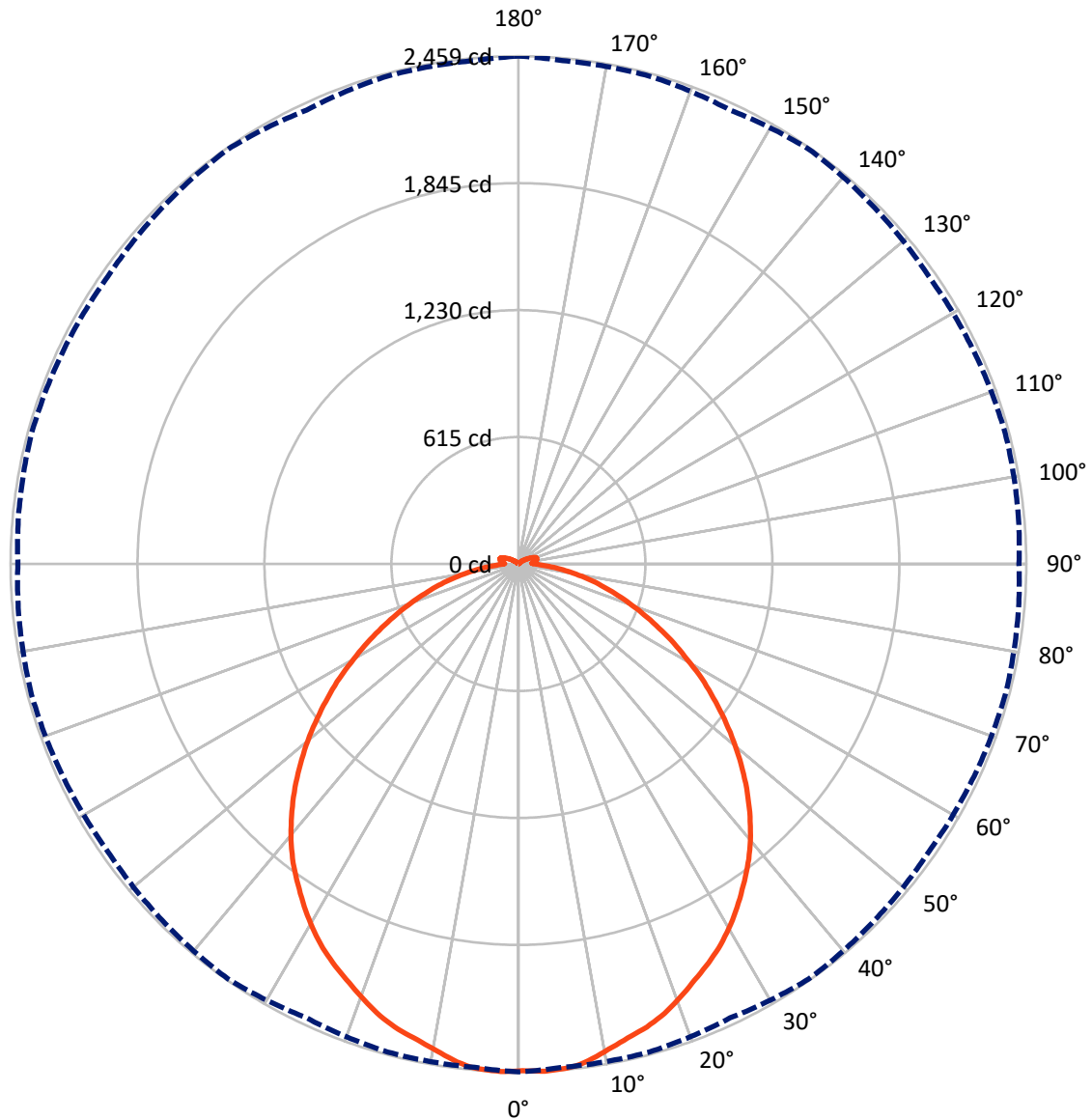
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.5 fc
 Type V - Short - Cutoff

REPORT NUMBER: P210498
CATALOG NUMBER: CLCSLED-55-SM-UNV-7050

Luminous Intensity Polar Plot



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

REPORT NUMBER: P210498

CATALOG NUMBER: CLCSLED-55-SM-UNV-7050

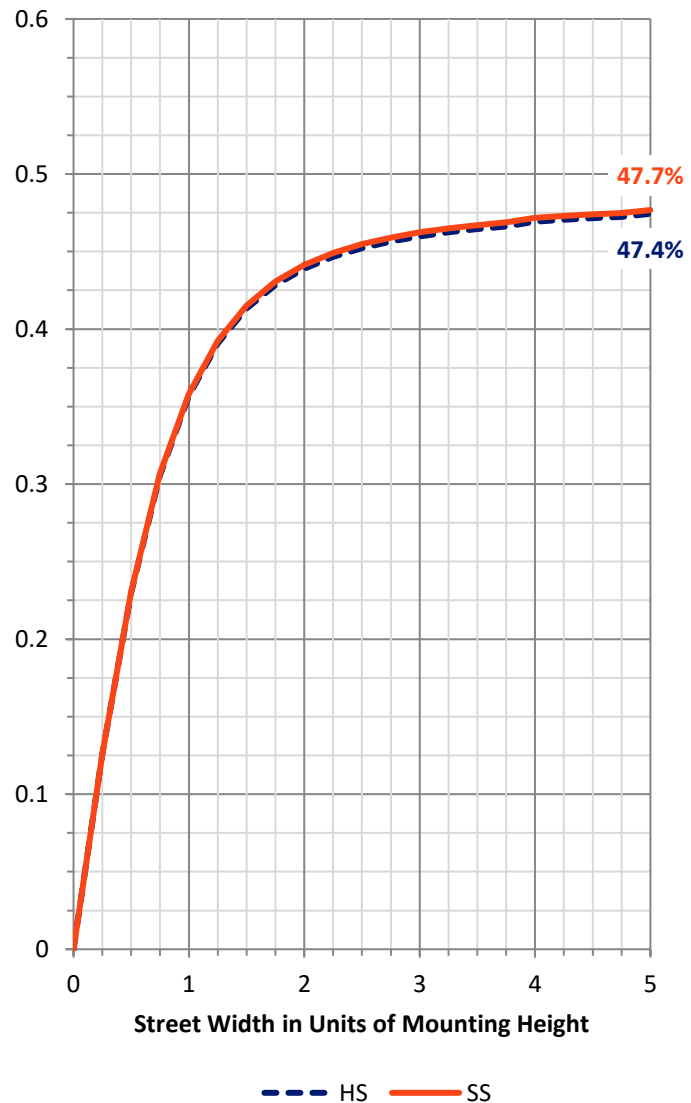
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3312.4	126.6	3439.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	3312.4	126.6	3439.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	6624.8	253.2	6878.0
	% Fixture	96.3	3.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.6	3.4
10°-20°	650.9	9.5
20°-30°	976.9	14.2
30°-40°	1169.0	17.0
40°-50°	1189.1	17.3
50°-60°	1034.7	15.0
60°-70°	757.9	11.0
70°-80°	442.9	6.4
80°-90°	172.6	2.5
90°-100°	79.1	1.1
100°-110°	89.3	1.3
110°-120°	57.6	0.8
120°-130°	21.9	0.3
130°-140°	5.3	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°	6624.8	96.3
0°-180°	6878.0	100.0



REPORT NUMBER: P210498

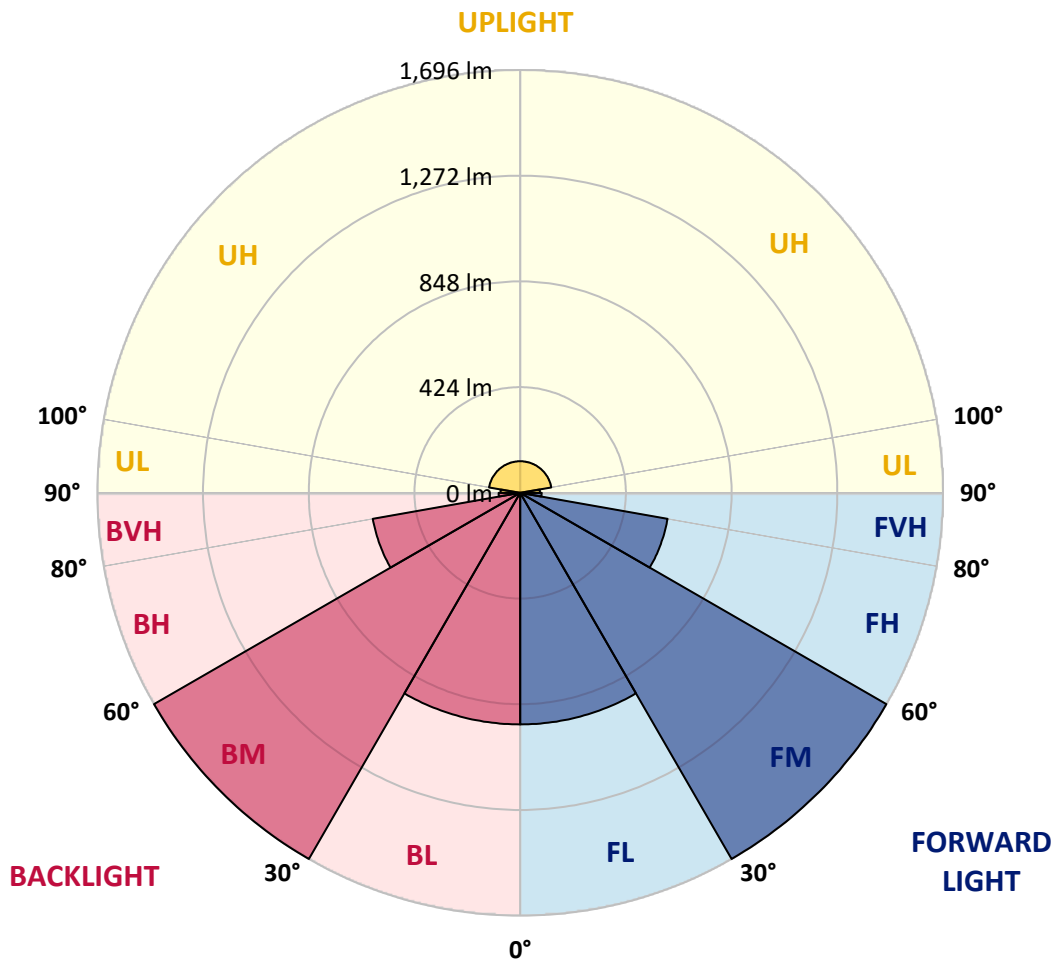
CATALOG NUMBER: CLCSLED-55-SM-UNV-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	929.2	13.5			
FM (30°-60°)	1696.5	24.7			
FH (60°-80°)	600.4	8.7			G0/660
FVH (80°-90°)	86.3	1.3			G1/100
BL (0°-30°)	929.2	13.5	B2/1000		
BM (30°-60°)	1696.5	24.7	B2/2500		
BH (60°-80°)	600.4	8.7	B2/1000		G0/660
BVH (80°-90°)	86.3	1.3			G1/100
UL (90°-100°)	79.1	1.1		U3/500	
UH (100°-180°)	126.6	1.8		U3/500	

BUG Rating: B2-U3-G1

Type V Short





REPORT NUMBER: P210498

CATALOG NUMBER: CLCSLED-55-SM-UNV-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2453.8	2453.8	2453.8	2453.8	2453.8	2453.8	2453.8	2453.8	2453.8	2453.8	2453.8
2.5°	2459.4	2446.8	2446.8	2425.6	2452.4	2439.7	2427.0	2434.1	2441.1	2431.3	2424.2
5°	2452.4	2441.1	2439.7	2422.8	2448.2	2436.9	2424.2	2431.3	2439.7	2429.8	2422.8
6°	2446.8	2435.5	2434.1	2417.2	2443.9	2431.3	2420.0	2427.0	2435.5	2424.2	2418.6
7.5°	2429.8	2420.0	2418.6	2403.1	2427.0	2415.7	2404.5	2411.5	2421.4	2410.1	2404.5
10°	2390.4	2379.1	2376.3	2360.8	2389.0	2374.9	2363.6	2370.6	2379.1	2366.4	2363.6
12.5°	2355.1	2345.3	2342.5	2327.0	2352.3	2338.2	2328.4	2335.4	2343.9	2331.2	2329.8
15°	2327.0	2318.5	2312.9	2298.8	2322.7	2308.6	2298.8	2305.8	2317.1	2303.0	2300.2
17.5°	2288.9	2280.4	2274.8	2259.3	2283.3	2267.8	2257.9	2266.3	2276.2	2262.1	2260.7
20°	2239.6	2232.5	2225.5	2210.0	2233.9	2218.4	2208.6	2215.6	2226.9	2208.6	2211.4
22.5°	2187.4	2180.4	2171.9	2157.8	2181.8	2163.5	2155.0	2160.6	2173.3	2156.4	2157.8
25°	2139.5	2133.9	2125.4	2109.9	2132.5	2115.5	2108.5	2114.1	2122.6	2107.1	2108.5
27.5°	2087.4	2081.7	2074.7	2060.6	2080.3	2063.4	2056.3	2062.0	2070.4	2056.3	2057.8
30°	2025.3	2022.5	2011.2	2000.0	2019.7	2002.8	1995.7	2001.4	2008.4	1992.9	1997.1
32.5°	1956.3	1953.5	1943.6	1933.7	1950.6	1935.1	1928.1	1932.3	1942.2	1926.7	1929.5
35°	1884.4	1883.0	1871.7	1863.3	1881.6	1864.7	1857.6	1864.7	1871.7	1856.2	1860.4
37.5°	1812.5	1809.7	1799.8	1794.2	1809.7	1794.2	1787.1	1794.2	1799.8	1784.3	1787.1
40°	1730.8	1729.4	1720.9	1712.4	1729.4	1716.7	1709.6	1716.7	1718.1	1702.6	1706.8
42.5°	1642.0	1640.6	1634.9	1630.7	1646.2	1634.9	1626.5	1627.9	1637.7	1615.2	1620.8
45°	1549.0	1549.0	1543.3	1540.5	1557.4	1547.5	1539.1	1537.7	1541.9	1523.6	1529.2
47.5°	1451.7	1451.7	1448.9	1447.5	1467.2	1457.3	1450.3	1450.3	1447.5	1429.2	1434.8
50°	1351.6	1353.0	1351.6	1353.0	1372.8	1364.3	1357.3	1354.5	1354.5	1333.3	1337.5
52.5°	1248.7	1250.2	1251.6	1255.8	1276.9	1268.5	1261.4	1253.0	1257.2	1234.7	1237.5
55°	1145.9	1148.7	1150.1	1157.1	1178.3	1172.6	1164.2	1155.7	1158.5	1131.8	1137.4
57.5°	1047.2	1045.8	1047.2	1055.7	1078.2	1074.0	1068.3	1062.7	1055.7	1031.7	1037.3
60°	940.1	942.9	945.7	955.6	979.5	976.7	971.1	961.2	955.6	934.4	937.3
62.5°	844.2	844.2	847.1	856.9	879.5	879.5	875.3	864.0	856.9	838.6	840.0
65°	748.4	749.8	751.2	759.7	782.2	783.6	778.0	769.5	761.1	742.8	745.6
67.5°	656.8	656.8	658.2	665.2	683.6	686.4	683.6	675.1	668.1	654.0	655.4
70°	570.8	569.4	570.8	576.5	592.0	592.0	590.5	584.9	579.3	568.0	569.4
72.5°	489.1	489.1	489.1	490.5	501.8	501.8	501.8	498.9	497.5	489.1	489.1
75°	414.4	414.4	411.6	414.4	418.6	417.2	418.6	418.6	418.6	414.4	414.4
77.5°	342.5	342.5	341.1	339.7	341.1	338.3	341.1	343.9	346.7	342.5	343.9
80°	269.2	270.6	270.6	270.6	266.4	265.0	267.8	272.0	277.7	273.4	273.4
82.5°	205.8	207.2	207.2	207.2	201.5	201.5	204.4	208.6	212.8	210.0	210.0
85°	149.4	150.8	150.8	150.8	146.6	145.2	148.0	152.2	155.0	152.2	153.6
87.5°	104.3	105.7	105.7	104.3	101.5	100.1	102.9	107.1	108.5	105.7	107.1
90°	74.7	74.7	74.7	74.7	71.9	71.9	73.3	76.1	77.5	74.7	74.7
92.5°	66.2	66.2	66.2	66.2	66.2	66.2	66.2	67.7	67.7	64.8	66.2
95°	70.5	70.5	70.5	69.1	69.1	69.1	69.1	70.5	70.5	69.1	70.5
97.5°	76.1	76.1	76.1	74.7	74.7	74.7	74.7	76.1	77.5	76.1	77.5
100°	83.2	83.2	81.7	80.3	78.9	78.9	80.3	83.2	84.6	84.6	86.0
102.5°	90.2	88.8	87.4	84.6	81.7	81.7	83.2	87.4	91.6	91.6	93.0
105°	93.0	93.0	88.8	86.0	80.3	78.9	81.7	88.8	93.0	95.8	97.3
107.5°	93.0	91.6	87.4	81.7	74.7	73.3	76.1	84.6	91.6	94.4	95.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	88.8	87.4	81.7	74.7	67.7	63.4	67.7	77.5	84.6	88.8	91.6
112.5°	80.3	80.3	73.3	66.2	57.8	55.0	57.8	66.2	76.1	81.7	83.2
115°	70.5	69.1	63.4	55.0	47.9	45.1	47.9	56.4	64.8	70.5	71.9
117.5°	59.2	59.2	53.6	45.1	38.1	35.2	38.1	45.1	53.6	59.2	60.6
120°	49.3	47.9	42.3	35.2	29.6	28.2	29.6	35.2	43.7	47.9	49.3
122.5°	39.5	39.5	35.2	28.2	24.0	21.1	22.6	28.2	35.2	38.1	39.5
125°	31.0	31.0	26.8	21.1	16.9	15.5	16.9	21.1	28.2	31.0	31.0
127.5°	24.0	24.0	21.1	16.9	12.7	11.3	11.3	16.9	21.1	24.0	24.0
130°	18.3	18.3	15.5	12.7	8.5	7.0	8.5	12.7	15.5	18.3	18.3
132.5°	14.1	14.1	11.3	9.9	5.6	2.8	5.6	8.5	11.3	12.7	14.1
135°	9.9	9.9	8.5	5.6	2.8	0.0	2.8	5.6	8.5	9.9	9.9
137.5°	7.0	7.0	5.6	4.2	1.4	0.0	1.4	4.2	5.6	7.0	7.0
140°	4.2	4.2	2.8	1.4	0.0	0.0	0.0	1.4	2.8	4.2	4.2
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)