

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: STREETWORKS

Report Number: P416428

Luminaire Tested: **LXF.LXT-PA1-70-760-U-5WQ-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416428
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-21)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-760-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8358 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U3 - G3

Input Watts (W): 74
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

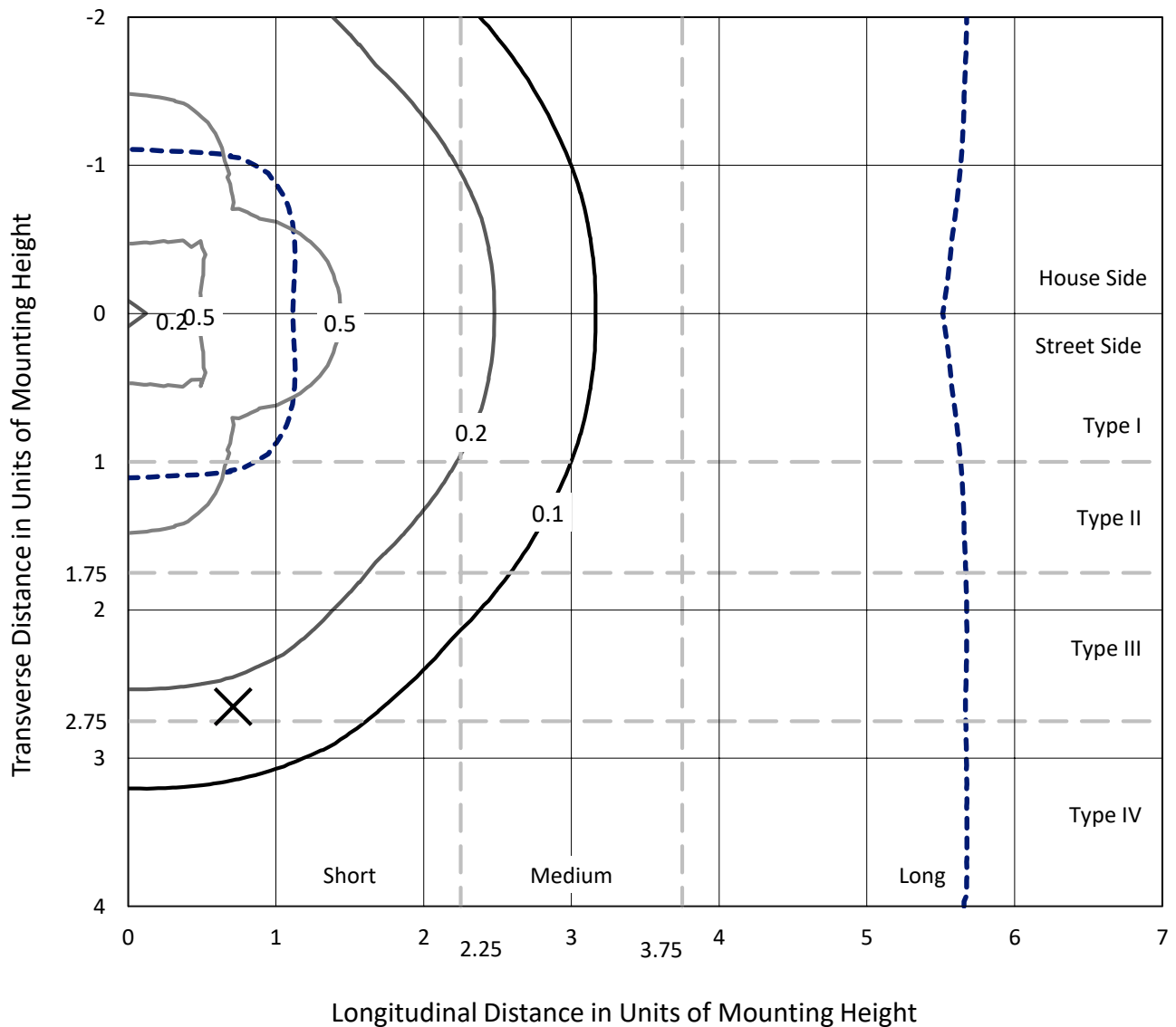


REPORT NUMBER: P416428

CATALOG NUMBER: LXF.LXT-PA1-70-760-U-5WQ-TL

Iso-Footcandle Lines of Horizontal Illumination

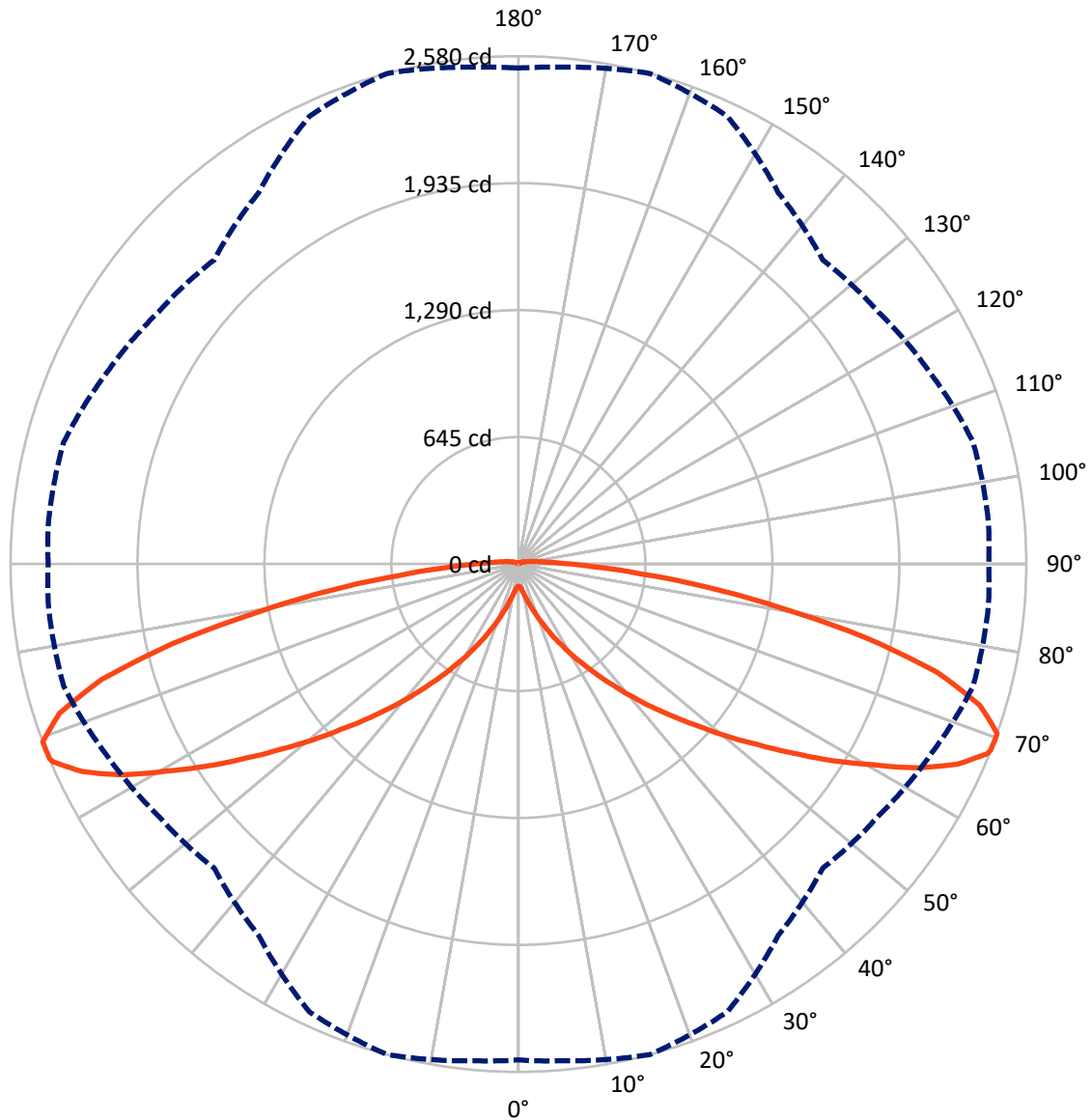
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P416428
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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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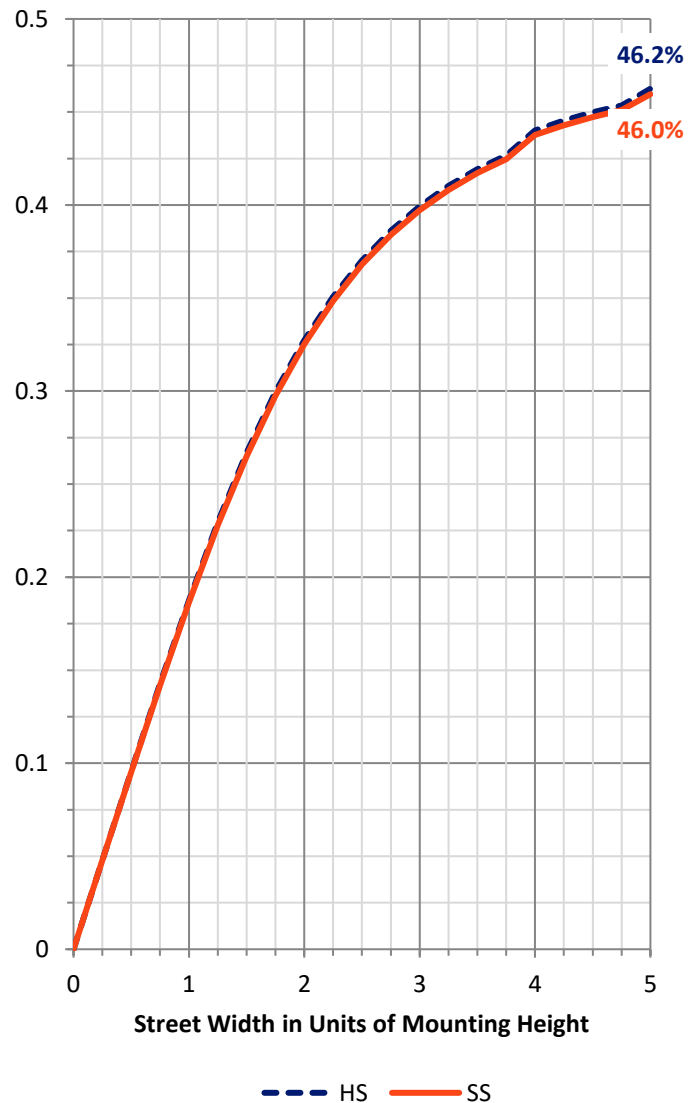
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4031.8	147.2	4179.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	4031.8	147.2	4179.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	8063.7	294.4	8358.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.5	0.1
10°-20°	60.4	0.7
20°-30°	181.5	2.2
30°-40°	417.4	5.0
40°-50°	802.6	9.6
50°-60°	1419.0	17.0
60°-70°	2199.0	26.3
70°-80°	2134.2	25.5
80°-90°	837.1	10.0
90°-100°	180.2	2.2
100°-110°	61.5	0.7
110°-120°	27.1	0.3
120°-130°	13.7	0.2
130°-140°	7.4	0.1
140°-150°	3.5	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8063.7	96.5
0°-180°	8358.0	100.0



REPORT NUMBER: P416428

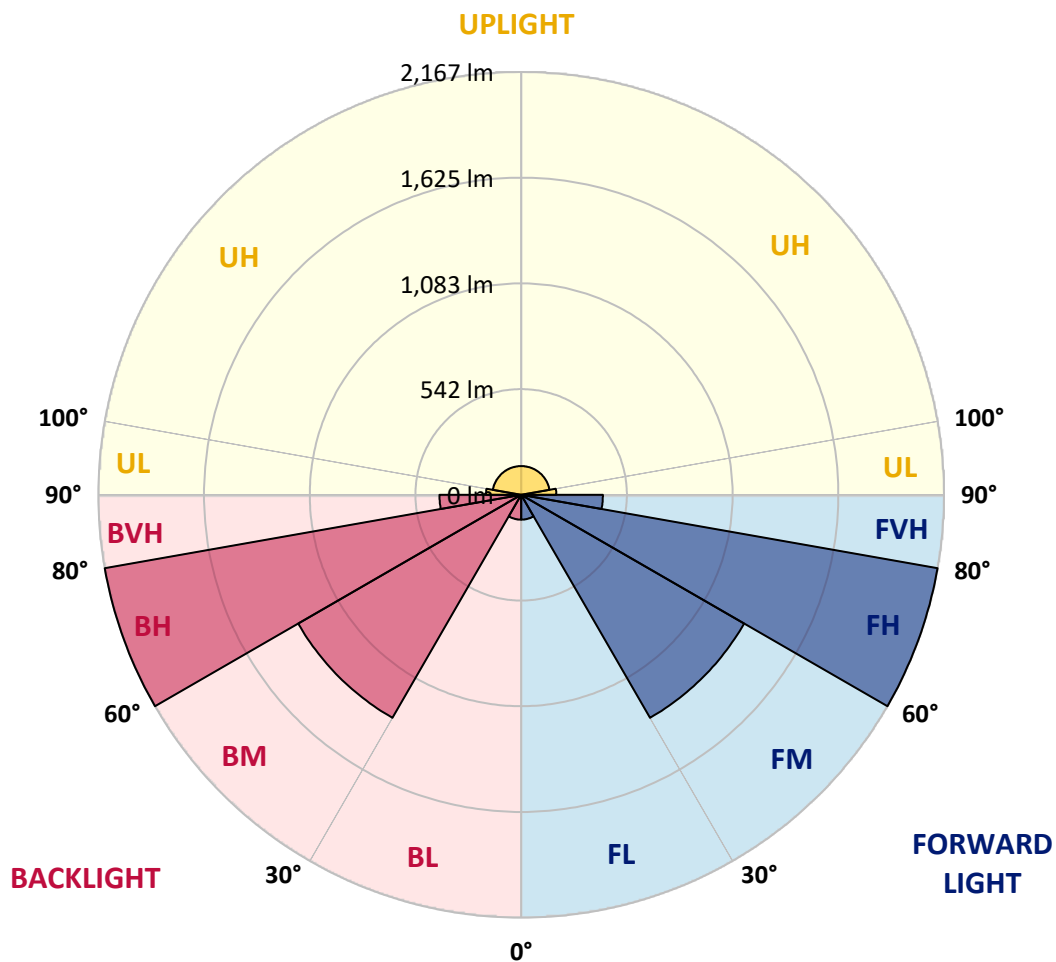
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	127.2	1.5			
FM	(30°-60°)	1319.5	15.8			
FH	(60°-80°)	2166.6	25.9			G2/5000
FVH	(80°-90°)	418.6	5.0			G3/500
BL	(0°-30°)	127.2	1.5	B1/500		
BM	(30°-60°)	1319.5	15.8	B2/2500		
BH	(60°-80°)	2166.6	25.9	B3/2500		G2/5000
BVH	(80°-90°)	418.6	5.0			G3/500
UL	(90°-100°)	180.2	2.2		U3/500	
UH	(100°-180°)	147.2	1.8		U3/500	

BUG Rating: B3-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5
2.5°	114.4	114.4	114.4	115.3	115.3	116.2	115.3	114.4	114.4	113.4	113.4
5°	122.6	122.6	122.6	122.6	123.5	123.5	121.7	120.8	119.8	119.8	119.8
7.5°	135.4	135.4	136.3	135.4	135.4	134.5	132.7	130.8	130.8	129.9	129.9
10°	155.5	153.7	153.7	152.8	151.9	150.0	148.2	147.3	145.5	145.5	143.6
12.5°	183.0	182.1	179.3	176.6	172.9	170.2	168.3	167.4	167.4	167.4	169.3
15°	215.0	215.9	214.1	207.7	200.4	194.9	194.0	194.0	195.8	197.6	197.6
17.5°	257.1	255.3	250.7	243.4	234.2	228.7	225.1	227.8	232.4	235.1	237.0
20°	302.8	301.9	295.5	283.6	273.5	266.2	263.5	267.1	275.4	282.7	281.8
22.5°	355.9	355.0	344.9	329.4	315.6	307.4	304.7	312.0	329.4	338.5	340.3
25°	416.3	413.5	404.4	383.3	364.1	351.3	353.1	366.0	388.8	407.1	406.2
27.5°	484.9	481.2	463.8	440.1	414.4	401.6	405.3	426.3	457.4	478.5	481.2
30°	559.9	554.4	536.1	501.4	472.1	453.8	462.9	492.2	531.5	561.7	565.4
32.5°	632.2	638.6	607.5	572.7	532.5	508.7	520.6	560.8	609.3	651.4	655.1
35°	723.7	718.2	691.7	645.9	596.5	571.8	587.4	636.8	691.7	741.1	742.9
37.5°	821.6	816.1	781.3	725.5	667.9	638.6	658.7	711.8	782.2	831.6	842.6
40°	926.8	915.8	883.8	815.2	744.7	714.5	733.7	800.5	876.5	930.4	937.8
42.5°	1030.2	1023.8	990.8	912.1	831.6	793.2	821.6	887.4	975.3	1028.3	1037.5
45°	1142.7	1141.8	1106.1	1020.1	929.5	886.5	915.8	989.0	1073.2	1134.5	1139.9
47.5°	1261.6	1262.5	1231.4	1145.4	1035.6	987.2	1015.5	1097.9	1196.7	1251.6	1257.0
50°	1402.5	1397.0	1376.0	1275.3	1160.1	1105.2	1141.8	1227.8	1319.3	1377.8	1383.3
52.5°	1550.7	1550.7	1526.0	1433.6	1299.1	1242.4	1273.5	1361.3	1463.8	1516.9	1527.9
55°	1715.4	1708.1	1698.0	1597.4	1460.2	1394.3	1425.4	1525.1	1619.3	1665.1	1666.0
57.5°	1893.8	1886.5	1884.7	1794.1	1637.6	1551.6	1587.3	1681.6	1788.6	1818.8	1827.9
60°	2066.7	2079.5	2072.2	1992.6	1816.0	1719.1	1759.3	1858.1	1961.5	1989.0	1998.1
62.5°	2255.2	2261.6	2281.7	2184.7	1994.4	1891.1	1931.3	2019.1	2124.4	2147.2	2150.9
65°	2418.0	2424.4	2451.0	2359.5	2143.6	2034.7	2080.4	2172.8	2278.1	2298.2	2286.3
67.5°	2515.0	2529.6	2569.9	2483.0	2260.7	2140.8	2187.5	2274.4	2365.9	2384.2	2368.6
68°	2529.6	2541.5	2579.1	2500.4	2275.3	2153.6	2203.0	2289.0	2382.4	2397.0	2385.1
70°	2519.6	2533.3	2580.0	2510.4	2301.8	2185.7	2232.3	2305.5	2391.5	2397.0	2388.8
72.5°	2380.5	2405.2	2451.0	2426.3	2257.0	2151.8	2191.1	2236.0	2295.4	2294.5	2284.5
75°	2114.3	2103.3	2197.5	2209.4	2097.8	2037.4	2056.7	2057.6	2069.5	2053.0	2020.1
77.5°	1690.7	1716.3	1807.8	1887.4	1849.9	1826.1	1829.8	1775.8	1752.0	1681.6	1659.6
80°	1233.3	1253.4	1351.3	1472.0	1526.0	1553.5	1522.4	1420.8	1337.6	1265.3	1240.6
82.5°	841.7	849.0	964.3	1080.5	1188.4	1221.4	1193.9	1055.8	940.5	863.6	829.8
85°	517.8	529.7	612.1	727.3	854.5	929.5	865.5	727.3	611.1	550.8	537.0
87.5°	304.7	323.0	377.8	464.8	586.4	650.5	600.2	480.3	387.0	343.1	326.6
90°	190.3	201.3	236.0	299.2	393.4	440.1	406.2	312.0	249.8	212.3	200.4
92.5°	132.7	136.3	160.1	200.4	268.1	300.1	271.7	214.1	171.1	142.7	138.1
95°	98.8	101.6	116.2	141.8	184.8	209.5	190.3	151.0	121.7	102.5	99.7
97.5°	77.8	79.6	91.5	108.0	135.4	152.8	140.9	115.3	94.2	78.7	75.9
100°	60.4	62.2	73.2	86.0	106.1	115.3	108.0	90.6	74.1	60.4	58.6
102.5°	47.6	48.5	58.6	70.4	85.1	91.5	86.0	73.2	58.6	46.7	45.7
105°	37.5	38.4	47.6	58.6	70.4	75.0	71.4	60.4	46.7	35.7	34.8
107.5°	29.3	30.2	37.5	48.5	58.6	62.2	58.6	49.4	36.6	28.4	27.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	23.8	23.8	31.1	40.3	49.4	52.1	49.4	40.3	29.3	22.9	22.0
112.5°	20.1	20.1	25.6	33.9	41.2	44.8	41.2	32.9	23.8	18.3	18.3
115°	16.5	17.4	21.0	28.4	34.8	37.5	34.8	27.4	20.1	15.6	15.6
117.5°	14.6	15.6	18.3	23.8	30.2	32.0	29.3	22.9	16.5	13.7	13.7
120°	13.7	13.7	15.6	20.1	25.6	27.4	24.7	20.1	14.6	12.8	12.8
122.5°	12.8	12.8	13.7	17.4	22.0	23.8	21.0	16.5	12.8	11.9	11.0
125°	11.9	11.9	12.8	15.6	19.2	20.1	18.3	14.6	11.0	10.1	10.1
127.5°	11.0	11.0	11.9	13.7	16.5	17.4	16.5	12.8	10.1	10.1	10.1
130°	10.1	10.1	11.0	11.9	14.6	15.6	13.7	11.0	9.1	9.1	9.1
132.5°	9.1	9.1	9.1	11.0	12.8	12.8	11.9	10.1	9.1	8.2	8.2
135°	9.1	9.1	9.1	9.1	11.0	11.9	10.1	9.1	8.2	8.2	8.2
137.5°	8.2	8.2	8.2	8.2	9.1	10.1	9.1	8.2	7.3	7.3	7.3
140°	7.3	7.3	7.3	7.3	8.2	8.2	8.2	6.4	6.4	6.4	6.4
142.5°	6.4	6.4	6.4	6.4	6.4	7.3	6.4	5.5	5.5	5.5	5.5
145°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
147.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
150°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
152.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
155°	1.8	1.8	1.8	1.8	2.7	1.8	2.7	1.8	1.8	1.8	1.8
157.5°	0.9	0.9	1.8	1.8	1.8	2.7	1.8	1.8	0.9	0.9	0.9
160°	0.0	0.9	0.9	0.9	1.8	1.8	1.8	0.9	0.9	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)