

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: P254534

Luminaire Tested: **LXF.LXT-AF24-100-D-U-5WQ-CL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254534
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-23)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-100-D-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9091.9 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U3 - G3

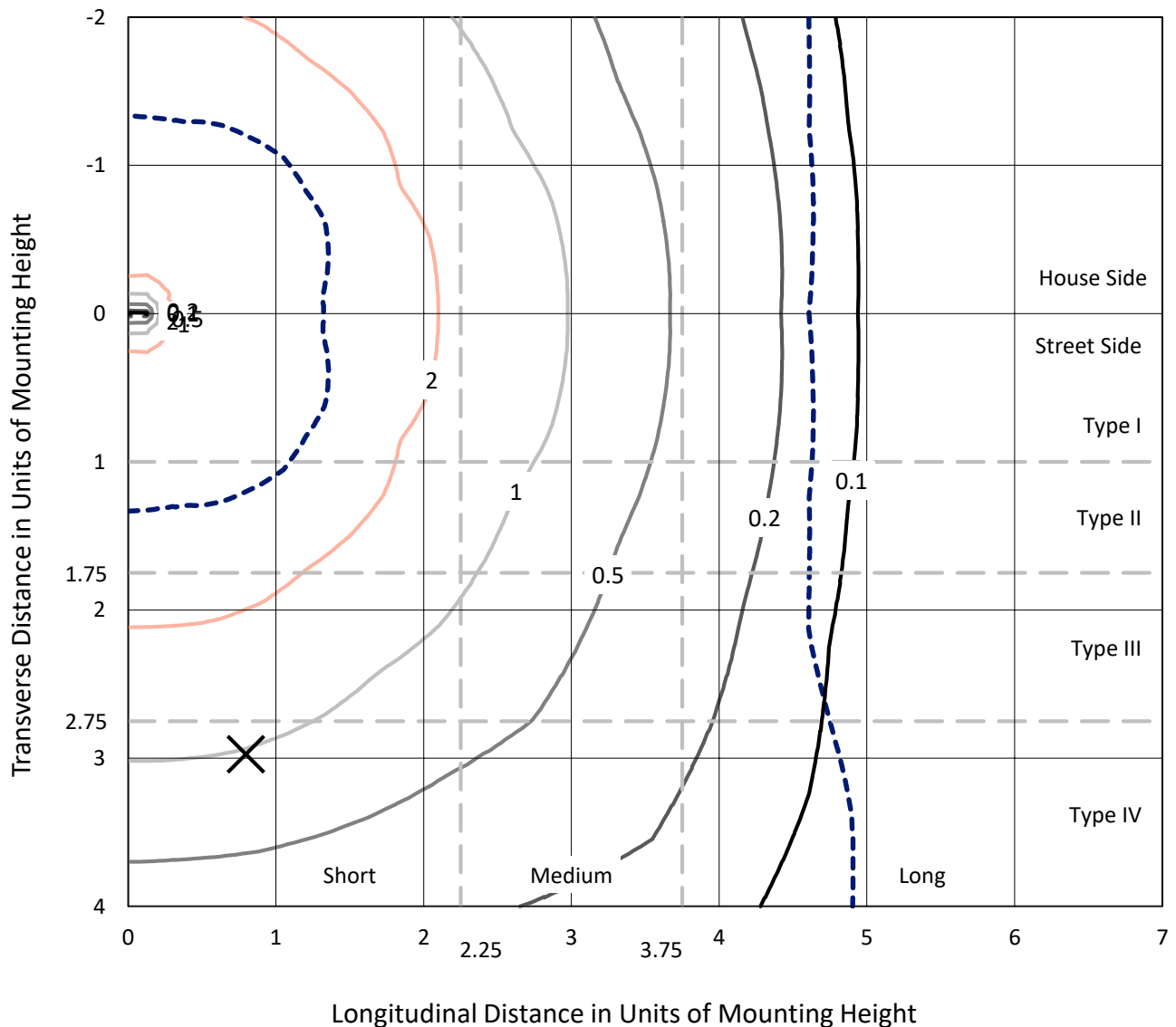
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

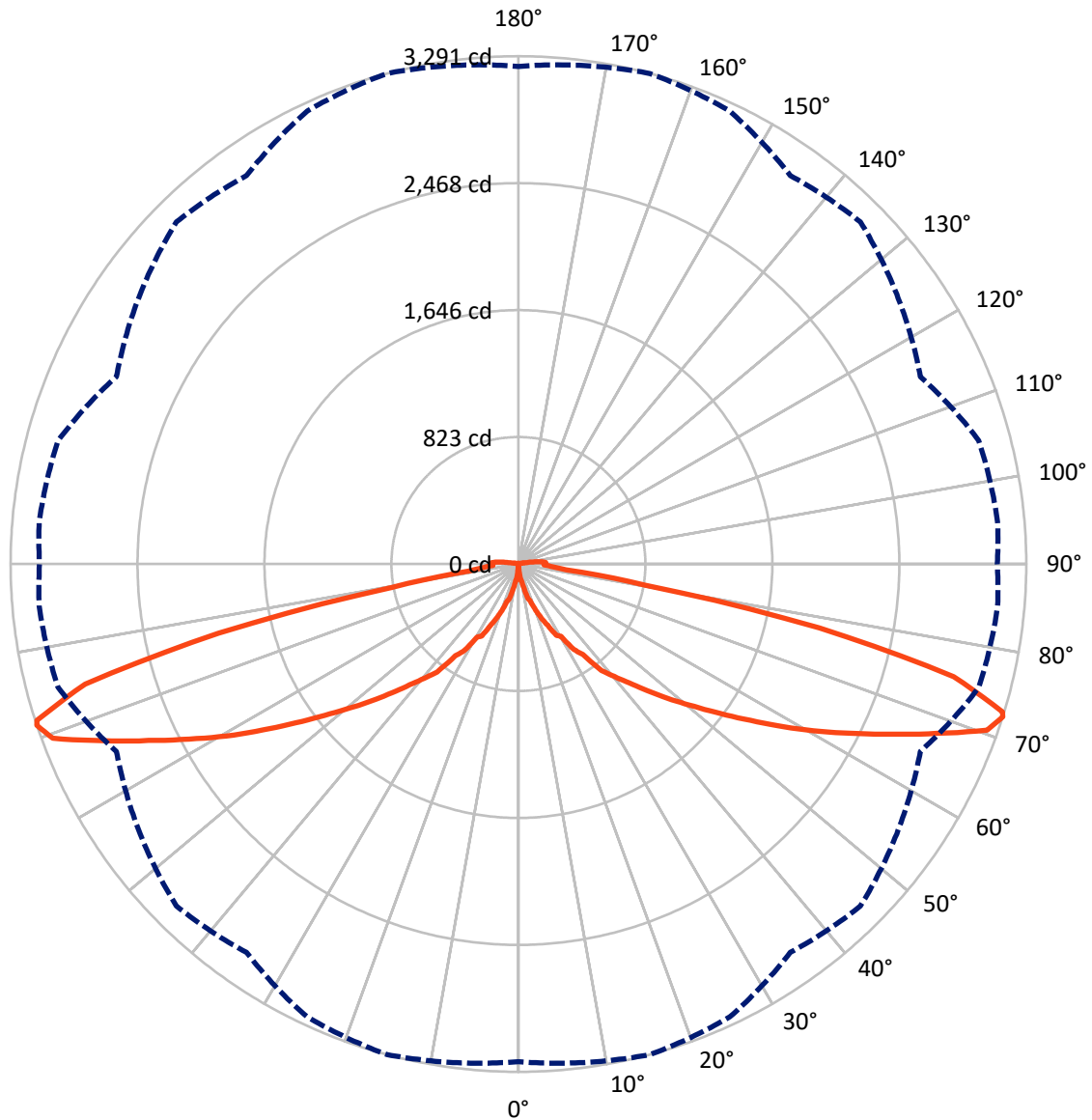
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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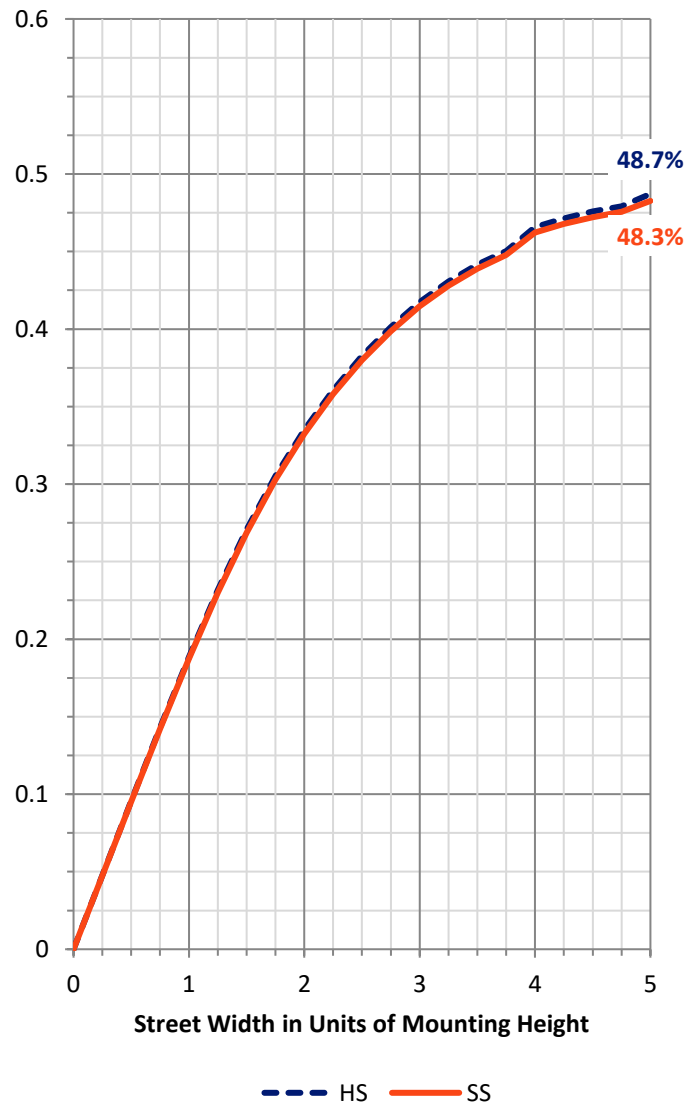
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4443.4	102.5	4546.0
	% Fixture	48.9	1.1	50.0
Street Side	Lumens	4443.4	102.5	4546.0
	% Fixture	48.9	1.1	50.0
Total	Lumens	8886.9	205.0	9091.9
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	0.0
10°-20°	54.7	0.6
20°-30°	205.8	2.3
30°-40°	465.2	5.1
40°-50°	845.3	9.3
50°-60°	1515.7	16.7
60°-70°	2561.7	28.2
70°-80°	2752.1	30.3
80°-90°	482.5	5.3
90°-100°	167.7	1.8
100°-110°	22.2	0.2
110°-120°	6.3	0.1
120°-130°	4.0	0.0
130°-140°	2.4	0.0
140°-150°	1.9	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8886.9	97.7
0°-180°	9091.9	100.0



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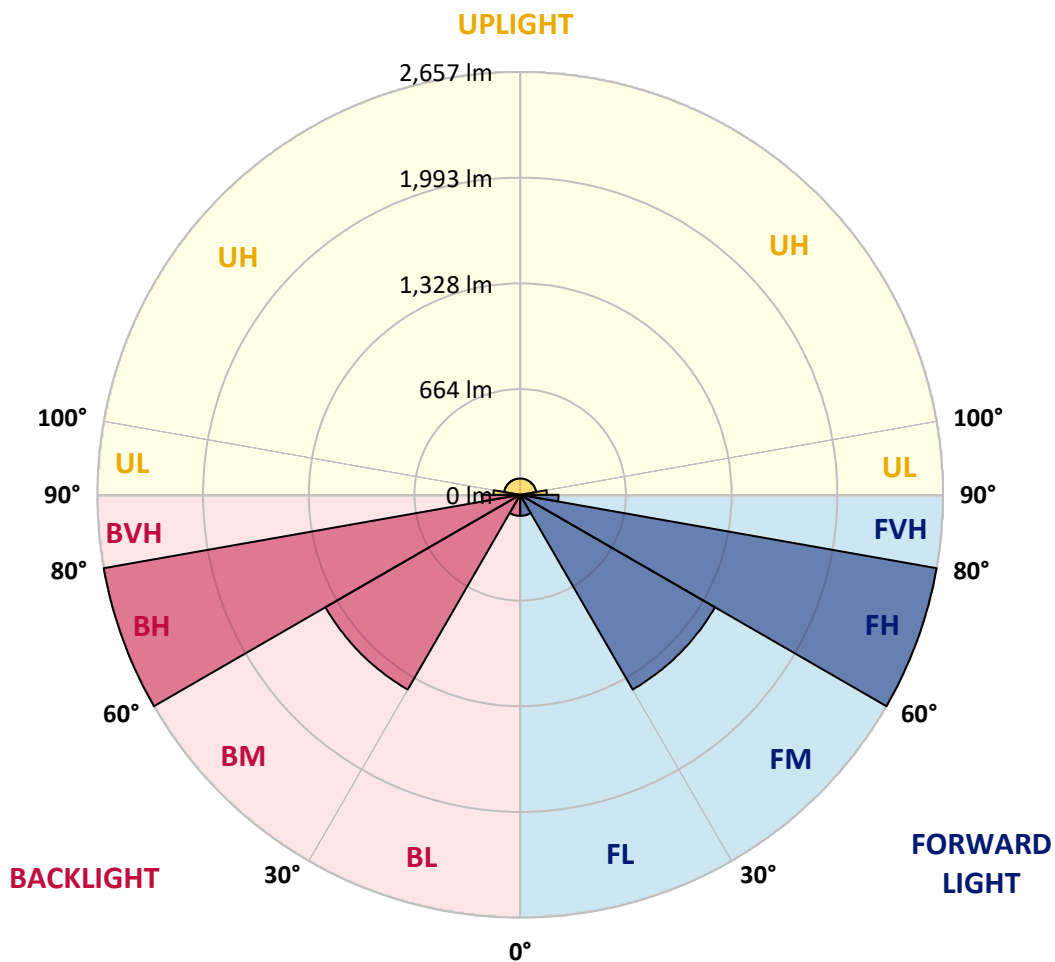
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	132.3	1.5			
FM (30°-60°)	1413.1	15.5			
FH (60°-80°)	2656.9	29.2			G2/5000
FVH (80°-90°)	241.2	2.7			G3/500
BL (0°-30°)	132.3	1.5	B1/500		
BM (30°-60°)	1413.1	15.5	B2/2500		
BH (60°-80°)	2656.9	29.2	B4/5000		G2/5000
BVH (80°-90°)	241.2	2.7			G3/500
UL (90°-100°)	167.7	1.8		U3/500	
UH (100°-180°)	102.5	1.1		U3/500	

BUG Rating: B4-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
2.5°	8.2	8.2	8.2	7.2	7.2	7.2	7.2	6.1	7.2	7.2	7.2
5°	46.0	48.1	43.0	41.9	19.4	15.3	9.2	7.2	7.2	7.2	7.2
7.5°	103.3	103.3	100.2	90.0	66.5	55.2	30.7	11.3	8.2	7.2	7.2
10°	118.7	116.6	111.5	111.5	107.4	98.2	58.3	27.6	12.3	11.3	11.3
12.5°	180.0	180.0	164.7	151.4	119.7	108.4	92.1	65.5	67.5	108.4	123.8
15°	240.4	240.4	231.2	214.8	170.8	126.8	165.7	194.4	164.7	177.0	178.0
17.5°	267.0	266.0	253.7	239.4	221.0	243.5	230.2	223.0	194.4	195.4	199.5
20°	370.3	366.2	320.2	293.6	257.8	312.0	274.2	256.8	328.4	352.9	361.1
22.5°	395.9	392.8	380.5	356.0	372.4	334.5	337.6	371.3	377.5	389.7	392.8
25°	468.5	467.5	438.8	394.9	428.6	382.6	434.8	396.9	421.5	491.0	517.6
27.5°	535.0	533.0	522.7	472.6	452.1	496.1	463.4	515.6	569.8	585.1	597.4
30°	599.4	596.4	544.2	551.4	504.3	525.8	564.7	573.9	594.3	634.2	636.3
32.5°	702.8	695.6	660.8	613.8	600.5	562.6	606.6	608.7	750.8	824.5	841.9
35°	806.1	798.9	721.2	699.7	653.7	668.0	649.6	742.7	801.0	870.5	882.8
37.5°	941.1	934.0	875.6	774.4	729.4	708.9	756.0	793.8	843.9	937.0	936.0
40°	1014.9	1011.8	958.5	878.7	803.0	779.5	804.0	837.8	915.5	999.5	1008.7
42.5°	1102.8	1095.7	1053.7	960.7	897.1	861.3	856.2	922.7	1005.7	1094.7	1096.7
45°	1209.2	1199.0	1169.3	1046.6	984.2	955.4	954.4	1024.1	1120.2	1209.2	1219.5
47.5°	1328.9	1319.7	1300.3	1157.1	1096.7	1059.9	1083.4	1127.4	1225.6	1332.0	1343.2
50°	1457.8	1452.7	1436.3	1299.2	1249.1	1189.8	1216.4	1244.0	1361.6	1463.9	1467.0
52.5°	1595.9	1599.0	1591.8	1458.8	1403.6	1360.6	1390.3	1385.2	1499.7	1618.4	1615.3
55°	1768.8	1768.8	1771.9	1663.4	1609.2	1534.5	1585.7	1573.4	1677.7	1783.1	1780.0
57.5°	1963.1	1964.2	1973.4	1887.4	1841.4	1780.0	1813.8	1790.3	1856.8	1948.8	1939.6
60°	2158.5	2166.7	2195.4	2158.5	2099.2	2047.0	2094.1	1976.4	2057.3	2142.2	2128.9
62.5°	2360.0	2372.3	2415.3	2408.1	2344.7	2322.2	2361.1	2207.6	2315.0	2334.5	2321.2
65°	2593.3	2596.4	2656.7	2659.8	2564.6	2608.6	2595.3	2424.5	2575.9	2558.5	2556.5
67.5°	2852.1	2873.6	2928.9	2903.3	2776.4	2813.2	2791.7	2629.1	2787.6	2782.5	2773.3
70°	3169.3	3178.5	3222.5	3128.4	2946.3	2996.4	2936.1	2798.9	3016.9	3053.7	3044.5
72°	3224.5	3247.1	3291.0	3238.9	3072.1	3134.5	3004.6	2873.6	3088.5	3117.1	3103.8
72.5°	3210.2	3228.6	3279.8	3235.8	3087.5	3155.0	3012.8	2871.5	3070.1	3099.7	3083.4
75°	2797.9	2795.8	2913.6	2995.4	3048.6	3248.1	2972.9	2711.9	2738.5	2733.4	2707.9
77.5°	1781.1	1836.3	1993.8	2262.9	2658.8	3022.0	2634.2	2172.8	1946.8	1814.8	1758.6
80°	620.9	663.9	833.7	1193.9	1854.7	2305.8	1845.5	1199.0	797.9	619.9	611.7
82.5°	246.5	282.3	311.0	412.2	868.5	1349.4	862.3	446.0	358.0	323.3	313.0
85°	195.4	200.5	221.0	235.3	315.1	435.8	382.6	270.1	251.6	226.1	221.0
87.5°	171.9	175.9	165.7	169.8	219.9	244.5	240.4	173.9	155.5	170.8	164.7
90°	180.0	182.1	166.7	168.8	223.0	250.6	232.2	163.7	161.6	179.0	172.9
92.5°	192.3	195.4	179.0	180.0	230.2	259.8	233.2	162.6	175.9	192.3	186.2
95°	157.5	161.6	150.4	154.5	200.5	232.2	207.7	145.3	156.5	187.2	181.1
97.5°	93.1	97.2	96.2	122.8	132.0	145.3	135.0	100.2	96.2	105.4	99.2
100°	16.4	20.5	43.0	80.8	74.7	63.4	69.6	62.4	40.9	21.5	15.3
102.5°	15.3	16.4	31.7	44.0	31.7	22.5	30.7	36.8	23.5	14.3	14.3
105°	15.3	16.4	17.4	18.4	10.2	9.2	13.3	21.5	14.3	14.3	14.3
107.5°	14.3	14.3	9.2	8.2	8.2	9.2	8.2	9.2	10.2	13.3	14.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	12.3	12.3	8.2	7.2	7.2	8.2	7.2	8.2	8.2	10.2	10.2
112.5°	9.2	9.2	6.1	6.1	6.1	7.2	6.1	6.1	7.2	8.2	8.2
115°	9.2	9.2	6.1	5.1	5.1	6.1	5.1	5.1	6.1	8.2	8.2
117.5°	8.2	8.2	5.1	4.1	4.1	4.1	4.1	4.1	6.1	8.2	8.2
120°	8.2	8.2	5.1	4.1	4.1	3.1	4.1	4.1	5.1	8.2	8.2
122.5°	8.2	8.2	5.1	3.1	3.1	3.1	3.1	4.1	5.1	7.2	8.2
125°	8.2	7.2	5.1	3.1	3.1	3.1	3.1	3.1	5.1	7.2	7.2
127.5°	7.2	7.2	5.1	3.1	3.1	2.0	2.0	3.1	4.1	6.1	7.2
130°	7.2	7.2	5.1	3.1	3.1	2.0	2.0	2.0	4.1	6.1	6.1
132.5°	6.1	6.1	4.1	2.0	2.0	2.0	2.0	2.0	3.1	5.1	5.1
135°	5.1	5.1	4.1	2.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1
137.5°	5.1	5.1	4.1	3.1	2.0	2.0	2.0	2.0	2.0	3.1	3.1
140°	5.1	5.1	4.1	3.1	2.0	2.0	2.0	2.0	3.1	3.1	3.1
142.5°	5.1	5.1	4.1	3.1	2.0	2.0	2.0	2.0	3.1	3.1	3.1
145°	5.1	5.1	4.1	3.1	2.0	2.0	2.0	3.1	3.1	4.1	4.1
147.5°	5.1	5.1	4.1	3.1	2.0	1.0	2.0	3.1	4.1	4.1	4.1
150°	5.1	5.1	4.1	2.0	1.0	0.0	1.0	2.0	3.1	4.1	4.1
152.5°	4.1	4.1	3.1	1.0	1.0	0.0	0.0	1.0	3.1	3.1	3.1
155°	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
157.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
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)