

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: P254533

Luminaire Tested: **LXF.LXT-AF24-90-D-U-5WQ-CL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254533
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-AF24-90-D-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1180mA 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: 8978.5 lumens
Efficiency: N/A
Efficacy: 95.5 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): 94
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

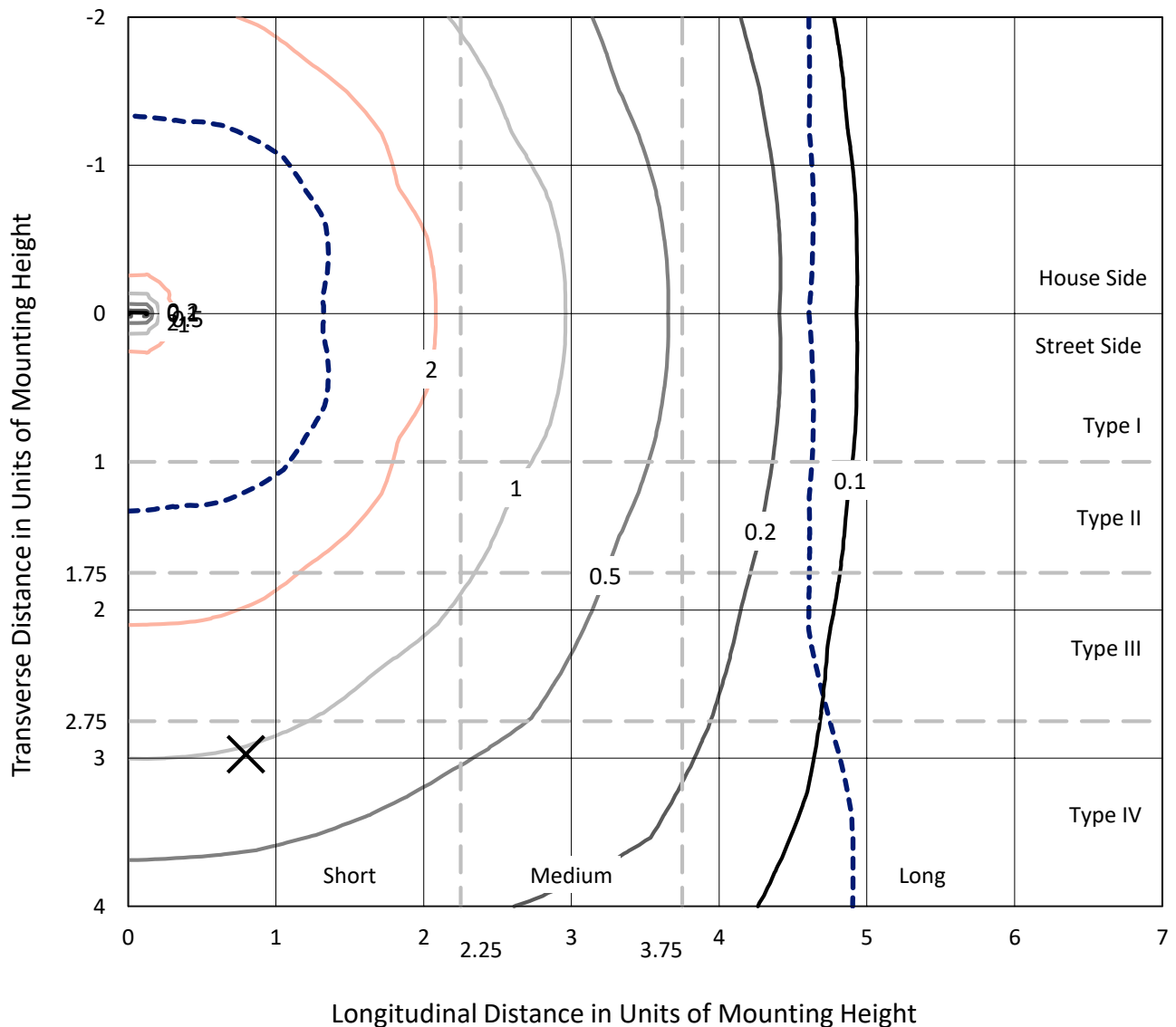


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

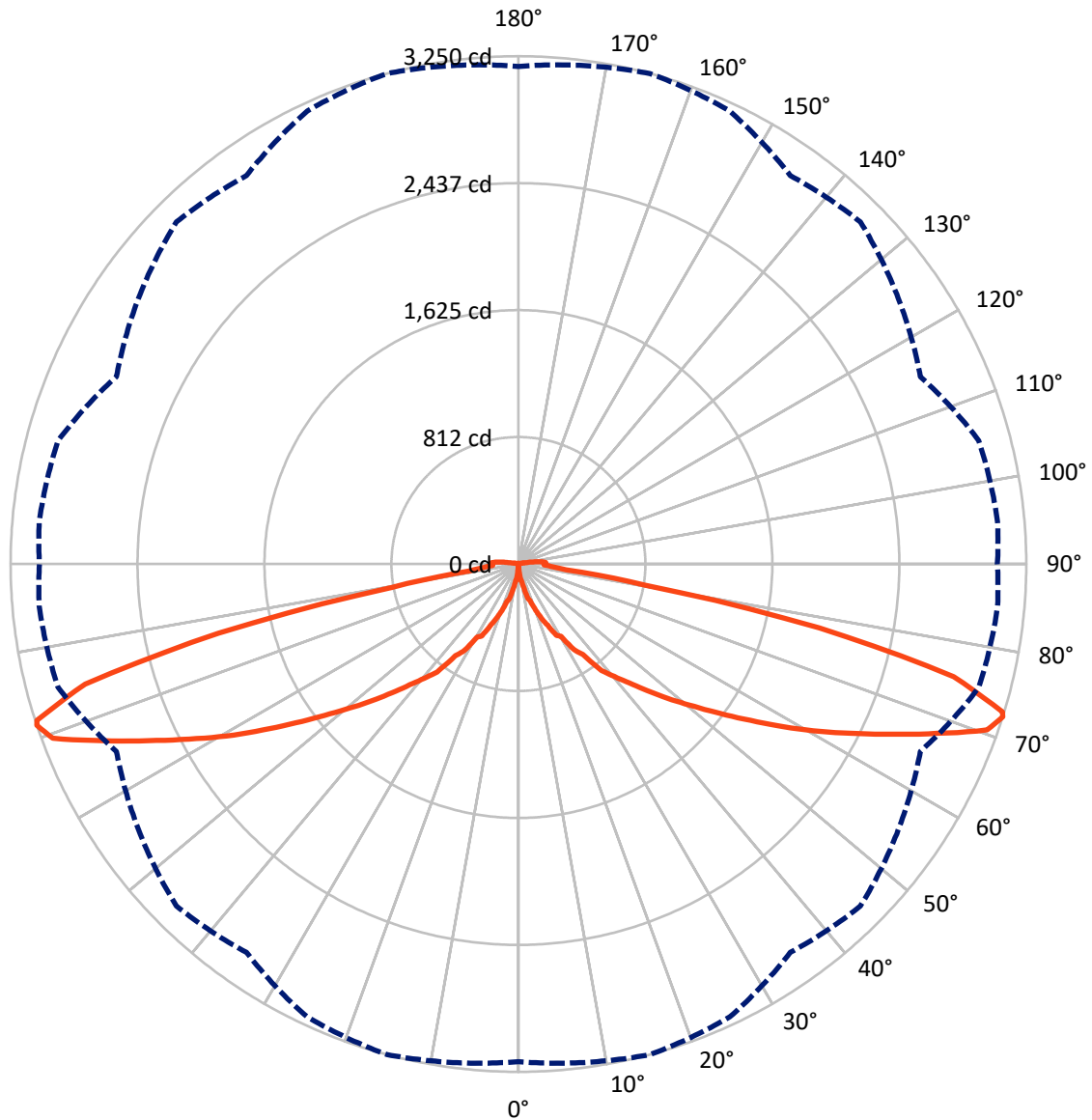


Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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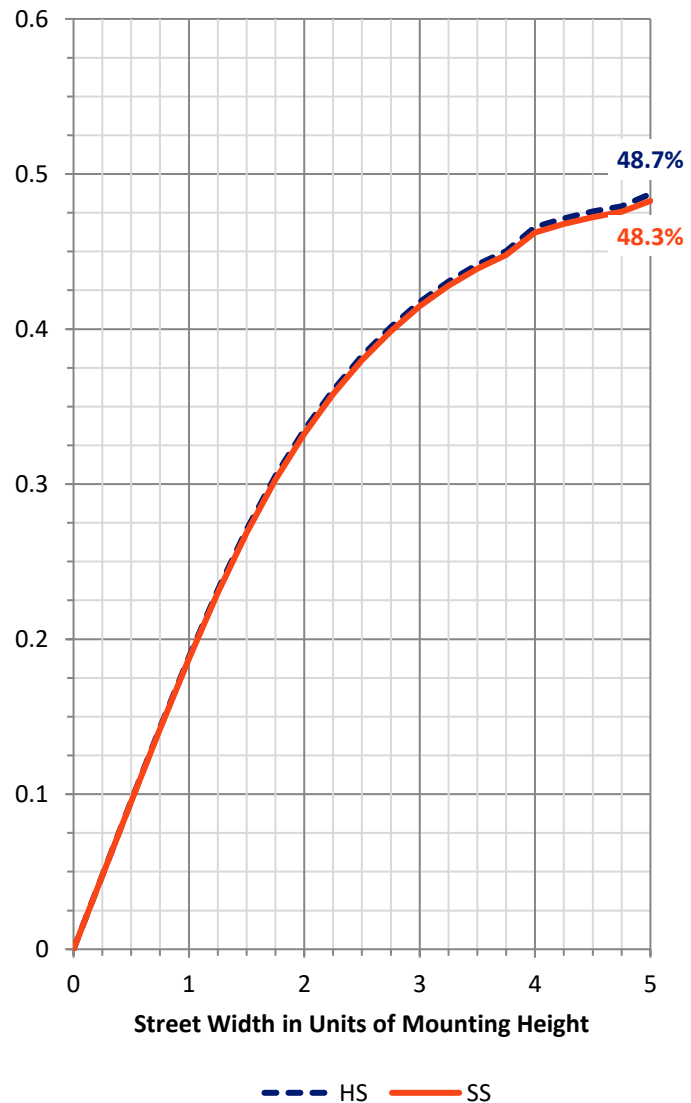
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4388.0	101.3	4489.2
	% Fixture	48.9	1.1	50.0
Street Side	Lumens	4388.0	101.3	4489.2
	% Fixture	48.9	1.1	50.0
Total	Lumens	8776.0	202.5	8978.5
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	0.0
10°-20°	54.0	0.6
20°-30°	203.2	2.3
30°-40°	459.4	5.1
40°-50°	834.7	9.3
50°-60°	1496.7	16.7
60°-70°	2529.7	28.2
70°-80°	2717.7	30.3
80°-90°	476.5	5.3
90°-100°	165.6	1.8
100°-110°	22.0	0.2
110°-120°	6.2	0.1
120°-130°	3.9	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°	8776.0	97.7
0°-180°	8978.5	100.0



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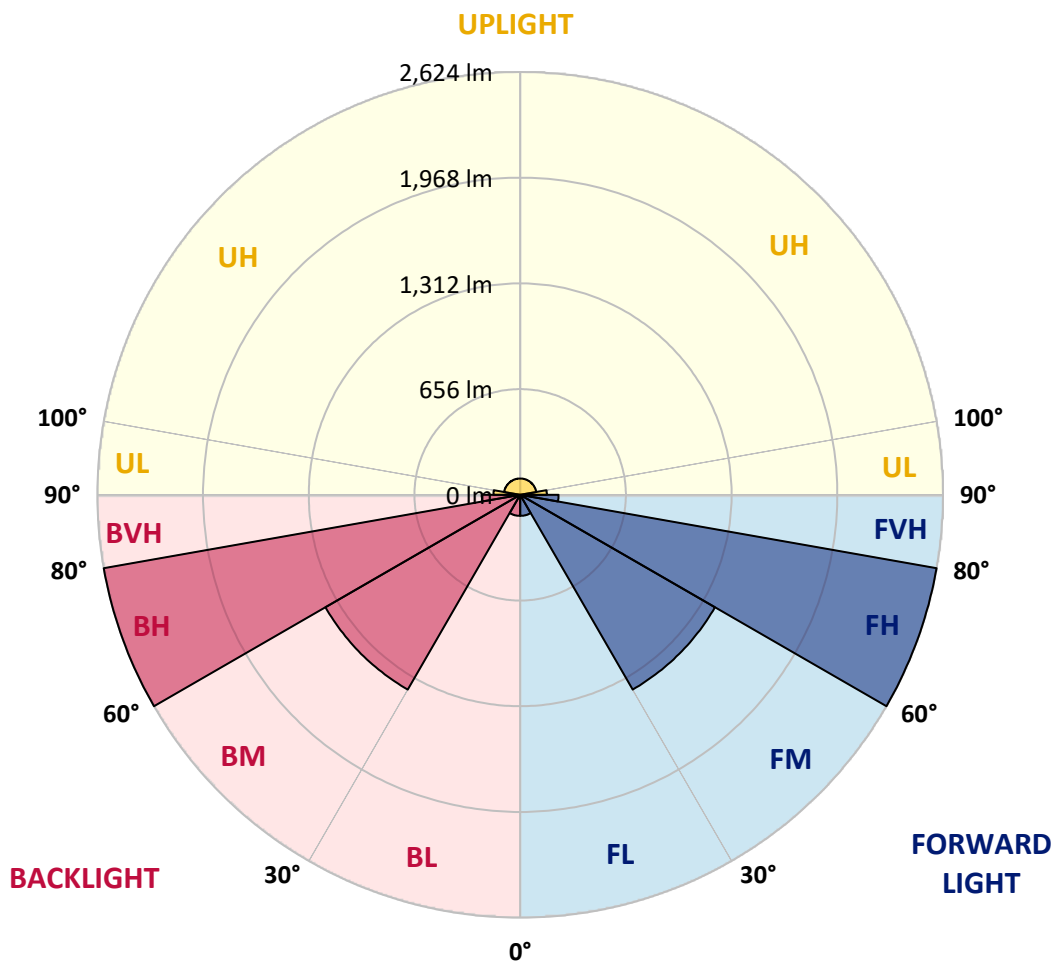
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	130.6	1.5			
FM (30°-60°)	1395.4	15.5			
FH (60°-80°)	2623.7	29.2			G2/5000
FVH (80°-90°)	238.2	2.7			G3/500
BL (0°-30°)	130.6	1.5	B1/500		
BM (30°-60°)	1395.4	15.5	B2/2500		
BH (60°-80°)	2623.7	29.2	B4/5000		G2/5000
BVH (80°-90°)	238.2	2.7			G3/500
UL (90°-100°)	165.6	1.8		U3/500	
UH (100°-180°)	101.3	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°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
2.5°	8.1	8.1	8.1	7.1	7.1	7.1	7.1	6.0	7.1	7.1	7.1
5°	45.4	47.5	42.5	41.4	19.2	15.1	9.1	7.1	7.1	7.1	7.1
7.5°	102.0	102.0	99.0	88.9	65.7	54.5	30.3	11.2	8.1	7.1	7.1
10°	117.2	115.2	110.1	110.1	106.1	97.0	57.6	27.3	12.2	11.2	11.2
12.5°	177.8	177.8	162.6	149.6	118.2	107.1	90.9	64.7	66.7	107.1	122.2
15°	237.4	237.4	228.3	212.2	168.7	125.3	163.7	191.9	162.6	174.7	175.7
17.5°	263.7	262.7	250.5	236.4	218.2	240.4	227.3	220.2	191.9	192.9	197.0
20°	365.7	361.6	316.2	289.9	254.6	308.1	270.8	253.6	324.3	348.5	356.6
22.5°	391.0	387.9	375.8	351.6	367.8	330.3	333.4	366.7	372.8	384.9	387.9
25°	462.7	461.7	433.4	389.9	423.3	377.8	429.3	392.0	416.2	484.9	511.2
27.5°	528.4	526.3	516.2	466.8	446.5	490.0	457.7	509.1	562.7	577.9	589.9
30°	592.0	588.9	537.5	544.5	498.1	519.2	557.6	566.7	587.0	626.4	628.4
32.5°	694.1	686.9	652.6	606.1	593.0	555.7	599.0	601.1	741.5	814.3	831.5
35°	796.1	789.0	712.2	691.0	645.6	659.7	641.5	733.5	791.0	859.7	871.9
37.5°	929.5	922.3	864.8	764.8	720.3	700.1	746.5	783.9	833.4	925.4	924.3
40°	1002.2	999.1	946.5	867.8	793.0	769.8	794.0	827.4	904.2	986.9	996.0
42.5°	1089.0	1082.0	1040.5	948.6	886.0	850.6	845.6	911.2	993.1	1081.0	1083.0
45°	1194.1	1184.0	1154.7	1033.5	971.8	943.6	942.5	1011.3	1106.2	1194.1	1204.2
47.5°	1312.2	1303.2	1284.0	1142.5	1083.0	1046.6	1069.8	1113.3	1210.3	1315.3	1326.5
50°	1439.6	1434.5	1418.3	1283.0	1233.5	1174.9	1201.1	1228.5	1344.6	1445.6	1448.7
52.5°	1576.0	1579.0	1571.9	1440.6	1386.0	1343.6	1372.9	1367.9	1481.0	1598.2	1595.2
55°	1746.7	1746.7	1749.8	1642.7	1589.1	1515.3	1565.8	1553.8	1656.8	1760.8	1757.8
57.5°	1938.6	1939.6	1948.7	1863.9	1818.4	1757.8	1791.2	1767.9	1833.5	1924.5	1915.4
60°	2131.6	2139.7	2167.9	2131.6	2073.0	2021.5	2067.9	1951.8	2031.6	2115.5	2102.3
62.5°	2330.6	2342.8	2385.1	2378.1	2315.4	2293.3	2331.6	2180.1	2286.2	2305.3	2292.2
65°	2561.0	2563.9	2623.6	2626.6	2532.6	2576.1	2562.9	2394.2	2543.8	2526.6	2524.5
67.5°	2816.5	2837.8	2892.3	2867.0	2741.7	2778.1	2757.0	2596.2	2752.9	2747.9	2738.7
70°	3129.7	3138.8	3182.2	3089.3	2909.5	2959.0	2899.3	2764.0	2979.1	3015.6	3006.5
72°	3184.2	3206.4	3249.9	3198.4	3033.8	3095.3	2967.1	2837.8	3049.9	3078.2	3065.1
72.5°	3170.1	3188.3	3238.8	3195.4	3048.9	3115.5	2975.2	2835.7	3031.7	3061.0	3044.8
75°	2763.0	2760.9	2877.2	2958.0	3010.4	3207.5	2935.8	2678.1	2704.4	2699.4	2674.1
77.5°	1758.8	1813.4	1969.0	2234.6	2625.6	2984.3	2601.4	2145.7	1922.4	1792.1	1736.6
80°	613.3	655.6	823.4	1179.0	1831.6	2277.1	1822.5	1184.0	788.0	612.2	604.2
82.5°	243.5	278.9	307.1	407.1	857.6	1332.5	851.6	440.5	353.5	319.3	309.1
85°	192.9	198.0	218.2	232.3	311.2	430.4	377.8	266.7	248.5	223.3	218.2
87.5°	169.7	173.8	163.7	167.7	217.2	241.4	237.4	171.8	153.5	168.7	162.6
90°	177.8	179.8	164.7	166.6	220.2	247.6	229.3	161.6	159.6	176.8	170.7
92.5°	190.0	192.9	176.8	177.8	227.3	256.6	230.4	160.6	173.8	190.0	183.8
95°	155.6	159.6	148.5	152.5	198.0	229.3	205.1	143.4	154.6	184.8	178.8
97.5°	92.0	96.0	94.9	121.2	130.3	143.4	133.4	99.0	94.9	104.0	98.0
100°	16.2	20.3	42.5	79.8	73.8	62.6	68.7	61.6	40.4	21.2	15.1
102.5°	15.1	16.2	31.3	43.5	31.3	22.2	30.3	36.4	23.2	14.1	14.1
105°	15.1	16.2	17.2	18.2	10.1	9.1	13.1	21.2	14.1	14.1	14.1
107.5°	14.1	14.1	9.1	8.1	8.1	9.1	8.1	9.1	10.1	13.1	14.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	12.2	12.2	8.1	7.1	7.1	8.1	7.1	8.1	8.1	10.1	10.1
112.5°	9.1	9.1	6.0	6.0	6.0	7.1	6.0	6.0	7.1	8.1	8.1
115°	9.1	9.1	6.0	5.0	5.0	6.0	5.0	5.0	6.0	8.1	8.1
117.5°	8.1	8.1	5.0	4.1	4.1	4.1	4.1	4.1	6.0	8.1	8.1
120°	8.1	8.1	5.0	4.1	4.1	3.1	4.1	4.1	5.0	8.1	8.1
122.5°	8.1	8.1	5.0	3.1	3.1	3.1	3.1	4.1	5.0	7.1	8.1
125°	8.1	7.1	5.0	3.1	3.1	3.1	3.1	3.1	5.0	7.1	7.1
127.5°	7.1	7.1	5.0	3.1	3.1	2.0	2.0	3.1	4.1	6.0	7.1
130°	7.1	7.1	5.0	3.1	3.1	2.0	2.0	2.0	4.1	6.0	6.0
132.5°	6.0	6.0	4.1	2.0	2.0	2.0	2.0	2.0	3.1	5.0	5.0
135°	5.0	5.0	4.1	2.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1
137.5°	5.0	5.0	4.1	3.1	2.0	2.0	2.0	2.0	2.0	3.1	3.1
140°	5.0	5.0	4.1	3.1	2.0	2.0	2.0	2.0	3.1	3.1	3.1
142.5°	5.0	5.0	4.1	3.1	2.0	2.0	2.0	2.0	3.1	3.1	3.1
145°	5.0	5.0	4.1	3.1	2.0	2.0	2.0	3.1	3.1	4.1	4.1
147.5°	5.0	5.0	4.1	3.1	2.0	1.0	2.0	3.1	4.1	4.1	4.1
150°	5.0	5.0	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)