

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: P254524

Luminaire Tested: **LXF.LXT-AF24-90-D-U-5WQ-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254524
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-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 8489.4 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - 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

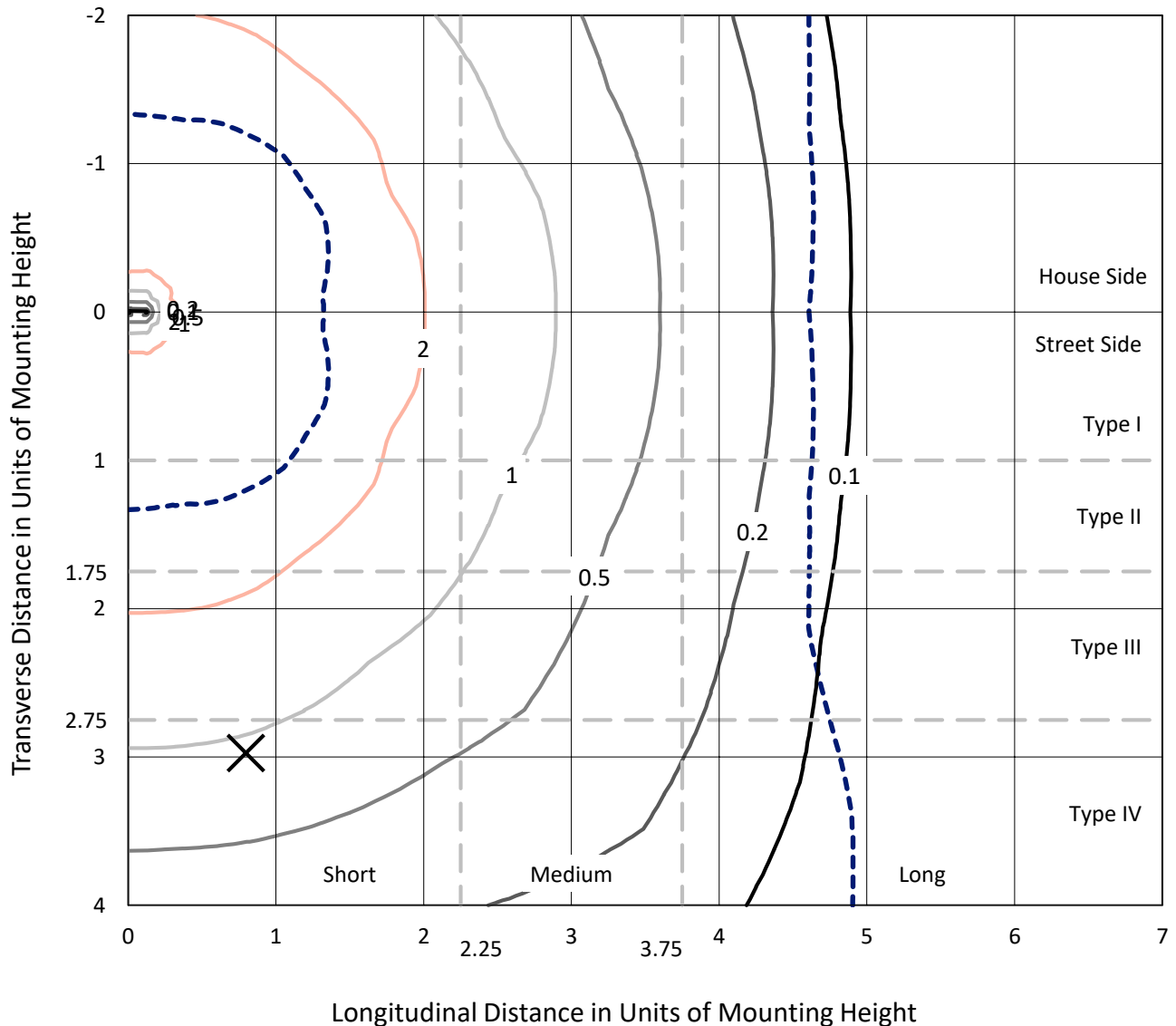


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

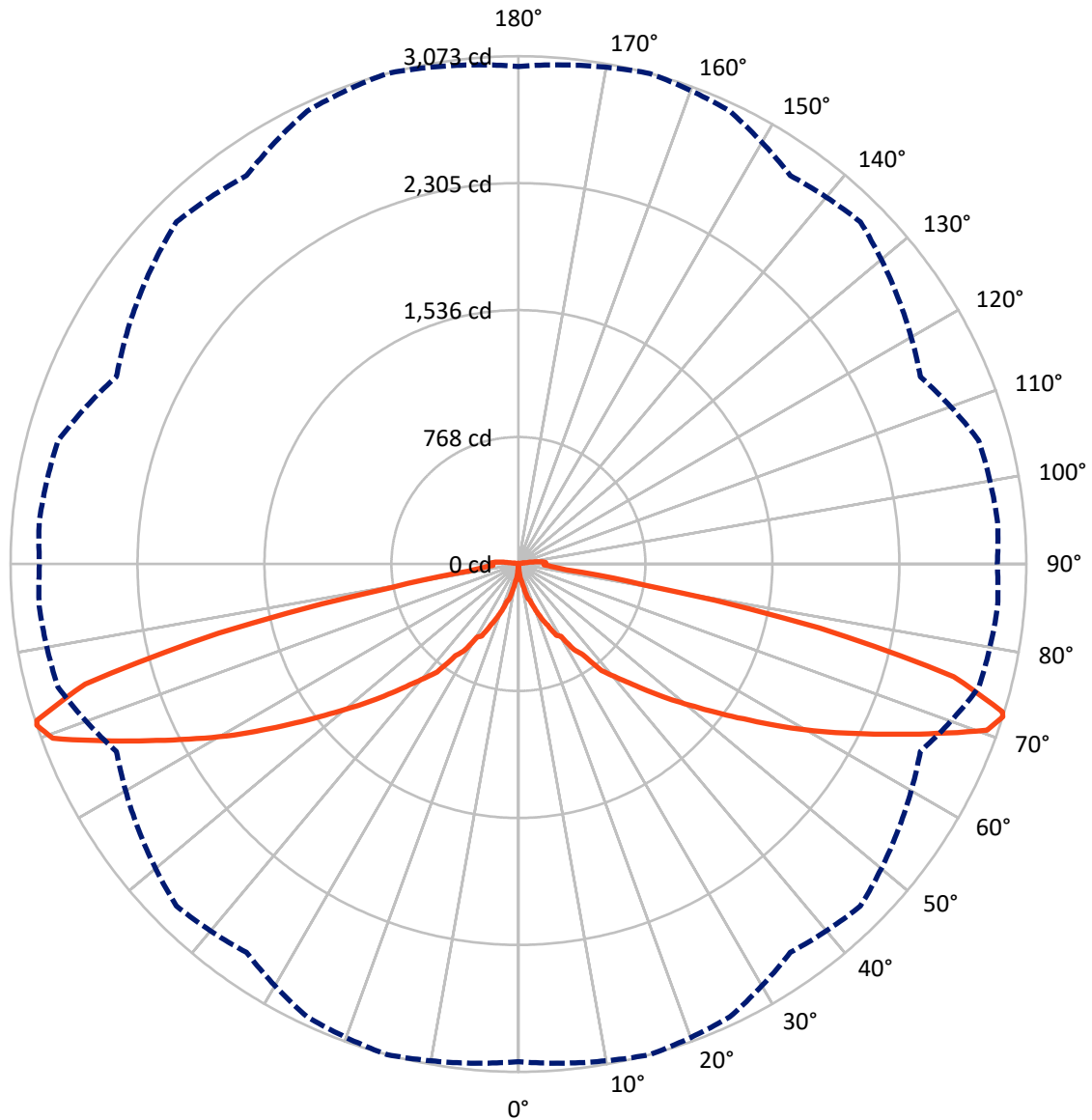


Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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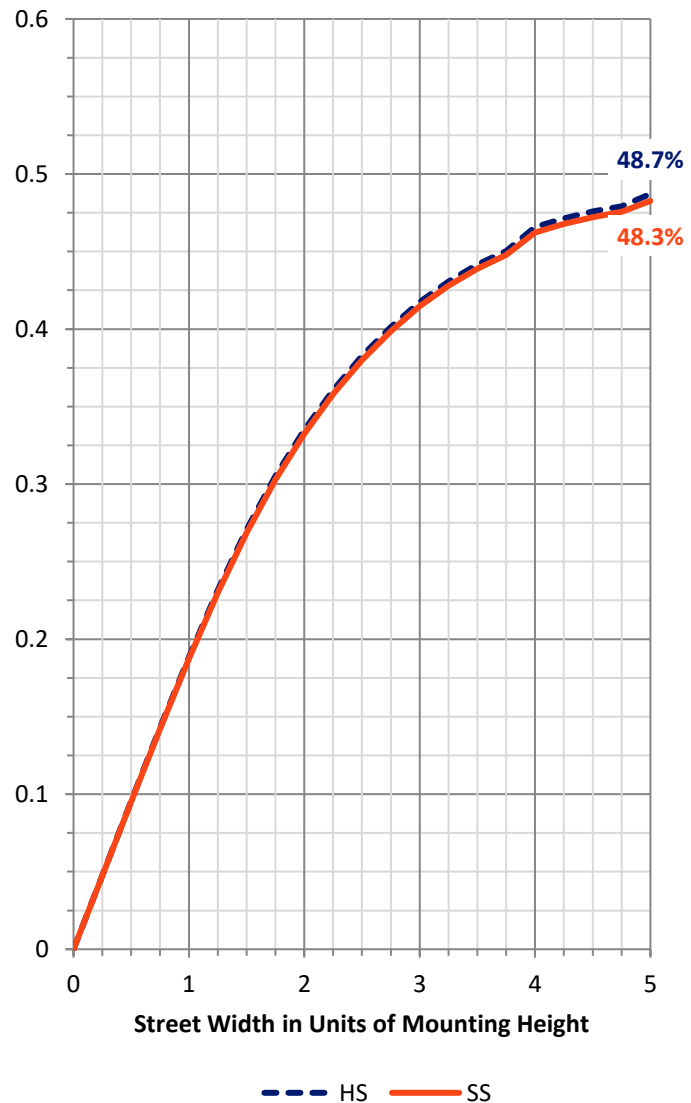
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4149.0	95.7	4244.7
	% Fixture	48.9	1.1	50.0
Street Side	Lumens	4149.0	95.7	4244.7
	% Fixture	48.9	1.1	50.0
Total	Lumens	8298.0	191.4	8489.4
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.0
10°-20°	51.1	0.6
20°-30°	192.1	2.3
30°-40°	434.4	5.1
40°-50°	789.2	9.3
50°-60°	1415.2	16.7
60°-70°	2392.0	28.2
70°-80°	2569.7	30.3
80°-90°	450.5	5.3
90°-100°	156.6	1.8
100°-110°	20.8	0.2
110°-120°	5.9	0.1
120°-130°	3.7	0.0
130°-140°	2.2	0.0
140°-150°	1.7	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8298.0	97.7
0°-180°	8489.4	100.0



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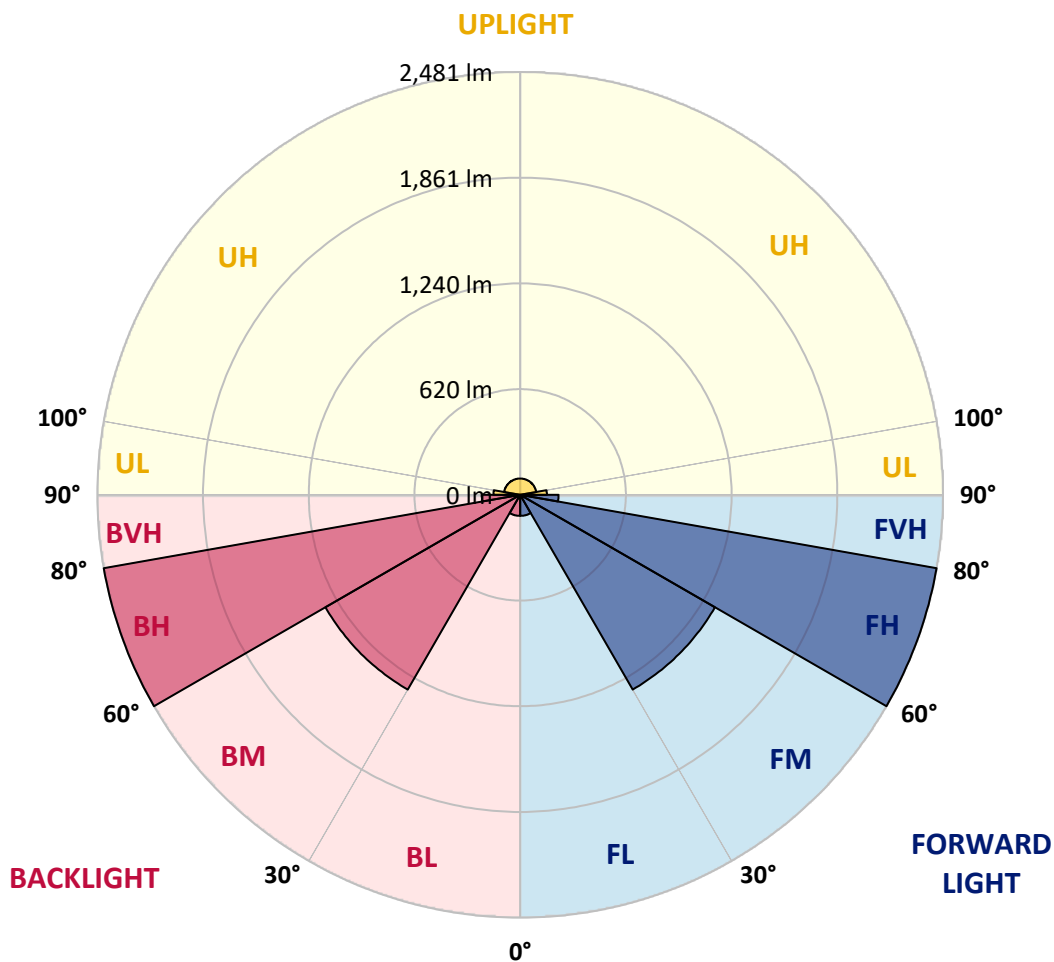
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	123.5	1.5			
FM (30°-60°)	1319.4	15.5			
FH (60°-80°)	2480.8	29.2			G2/5000
FVH (80°-90°)	225.3	2.7			G3/500
BL (0°-30°)	123.5	1.5	B1/500		
BM (30°-60°)	1319.4	15.5	B2/2500		
BH (60°-80°)	2480.8	29.2	B3/2500		G2/5000
BVH (80°-90°)	225.3	2.7			G3/500
UL (90°-100°)	156.6	1.8		U3/500	
UH (100°-180°)	95.7	1.1		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°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
2.5°	7.6	7.6	7.6	6.7	6.7	6.7	6.7	5.7	6.7	6.7	6.7
5°	42.9	44.9	40.1	39.2	18.1	14.3	8.6	6.7	6.7	6.7	6.7
7.5°	96.4	96.4	93.6	84.0	62.1	51.6	28.6	10.5	7.6	6.7	6.7
10°	110.8	108.9	104.2	104.2	100.3	91.7	54.4	25.7	11.5	10.5	10.5
12.5°	168.2	168.2	153.8	141.4	111.8	101.3	86.0	61.1	63.1	101.3	115.6
15°	224.5	224.5	215.9	200.6	159.5	118.4	154.7	181.5	153.8	165.2	166.2
17.5°	249.3	248.3	236.9	223.6	206.3	227.4	214.9	208.2	181.5	182.5	186.3
20°	345.8	342.0	299.0	274.1	240.7	291.2	256.0	239.8	306.6	329.5	337.2
22.5°	369.7	366.8	355.3	332.3	347.7	312.4	315.2	346.8	352.5	364.0	366.8
25°	437.5	436.5	409.8	368.8	400.2	357.3	406.0	370.6	393.6	458.5	483.4
27.5°	499.6	497.6	488.1	441.3	422.2	463.3	432.6	481.4	532.1	546.4	557.9
30°	559.7	556.9	508.2	514.8	470.9	491.0	527.2	535.9	554.9	592.1	594.2
32.5°	656.2	649.5	617.1	573.2	560.7	525.3	566.4	568.3	701.1	769.9	786.1
35°	752.7	746.0	673.5	653.4	610.4	623.8	606.6	693.5	747.9	812.9	824.4
37.5°	878.8	872.1	817.7	723.1	681.0	662.0	706.0	741.3	788.1	874.9	874.0
40°	947.6	944.6	895.1	820.5	749.8	727.8	750.8	782.3	855.0	933.3	941.9
42.5°	1029.8	1023.0	983.9	896.9	837.7	804.2	799.6	861.6	939.0	1022.1	1024.0
45°	1129.0	1119.5	1091.8	977.3	918.9	892.2	891.2	956.1	1045.9	1129.0	1138.6
47.5°	1240.8	1232.2	1214.1	1080.3	1024.0	989.6	1011.5	1052.6	1144.4	1243.7	1254.2
50°	1361.2	1356.4	1341.1	1213.1	1166.4	1110.9	1135.8	1161.5	1271.3	1367.0	1369.8
52.5°	1490.1	1493.0	1486.3	1362.1	1310.6	1270.4	1298.1	1293.3	1400.3	1511.2	1508.4
55°	1651.6	1651.6	1654.4	1553.1	1502.6	1432.8	1480.6	1469.1	1566.6	1664.9	1662.1
57.5°	1833.1	1834.0	1842.5	1762.4	1719.4	1662.1	1693.6	1671.6	1733.7	1819.7	1811.1
60°	2015.5	2023.2	2049.9	2015.5	1960.1	1911.4	1955.3	1845.5	1920.9	2000.2	1987.8
62.5°	2203.6	2215.1	2255.2	2248.5	2189.3	2168.4	2204.7	2061.4	2161.5	2179.8	2167.3
65°	2421.4	2424.4	2480.7	2483.6	2394.8	2435.8	2423.4	2263.9	2405.3	2389.0	2387.1
67.5°	2663.0	2683.2	2734.8	2710.8	2592.4	2626.8	2606.8	2454.8	2603.0	2598.1	2589.6
70°	2959.3	2967.8	3008.9	2921.0	2751.0	2797.8	2741.5	2613.5	2816.9	2851.3	2842.7
72°	3010.8	3031.8	3072.9	3024.2	2868.5	2926.7	2805.4	2683.2	2883.8	2910.5	2898.1
72.5°	2997.4	3014.7	3062.4	3021.3	2882.8	2945.8	2813.1	2681.2	2866.6	2894.3	2879.0
75°	2612.5	2610.5	2720.4	2796.8	2846.5	3032.8	2775.8	2532.3	2557.1	2552.3	2528.5
77.5°	1663.0	1714.6	1861.7	2113.0	2482.6	2821.7	2459.7	2028.8	1817.7	1694.5	1642.0
80°	579.8	619.9	778.5	1114.8	1731.8	2153.1	1723.2	1119.5	745.0	578.8	571.2
82.5°	230.2	263.7	290.4	384.9	810.9	1259.9	805.2	416.5	334.4	301.9	292.3
85°	182.5	187.3	206.3	219.7	294.2	406.9	357.3	252.2	235.0	211.1	206.3
87.5°	160.5	164.3	154.7	158.5	205.4	228.3	224.5	162.4	145.2	159.5	153.8
90°	168.2	170.0	155.7	157.7	208.2	234.1	216.9	152.9	150.9	167.1	161.3
92.5°	179.6	182.5	167.1	168.2	214.9	242.7	217.8	151.9	164.3	179.6	173.8
95°	147.1	150.9	140.4	144.2	187.3	216.9	193.9	135.6	146.2	174.9	169.1
97.5°	87.0	90.8	89.8	114.6	123.3	135.6	126.0	93.6	89.8	98.4	92.7
100°	15.3	19.1	40.1	75.5	69.7	59.2	64.9	58.2	38.2	20.1	14.3
102.5°	14.3	15.3	29.6	41.1	29.6	21.0	28.6	34.4	22.0	13.3	13.3
105°	14.3	15.3	16.3	17.2	9.5	8.6	12.4	20.1	13.3	13.3	13.3
107.5°	13.3	13.3	8.6	7.6	7.6	8.6	7.6	8.6	9.5	12.4	13.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	11.5	11.5	7.6	6.7	6.7	7.6	6.7	7.6	7.6	9.5	9.5
112.5°	8.6	8.6	5.7	5.7	5.7	6.7	5.7	5.7	6.7	7.6	7.6
115°	8.6	8.6	5.7	4.8	4.8	5.7	4.8	4.8	5.7	7.6	7.6
117.5°	7.6	7.6	4.8	3.9	3.9	3.9	3.9	3.9	5.7	7.6	7.6
120°	7.6	7.6	4.8	3.9	3.9	2.8	3.9	3.9	4.8	7.6	7.6
122.5°	7.6	7.6	4.8	2.8	2.8	2.8	2.8	3.9	4.8	6.7	7.6
125°	7.6	6.7	4.8	2.8	2.8	2.8	2.8	2.8	4.8	6.7	6.7
127.5°	6.7	6.7	4.8	2.8	2.8	1.8	1.8	2.8	3.9	5.7	6.7
130°	6.7	6.7	4.8	2.8	2.8	1.8	1.8	1.8	3.9	5.7	5.7
132.5°	5.7	5.7	3.9	1.8	1.8	1.8	1.8	1.8	2.8	4.8	4.8
135°	4.8	4.8	3.9	1.8	1.8	1.8	1.8	1.8	1.8	3.9	3.9
137.5°	4.8	4.8	3.9	2.8	1.8	1.8	1.8	1.8	1.8	2.8	2.8
140°	4.8	4.8	3.9	2.8	1.8	1.8	1.8	1.8	2.8	2.8	2.8
142.5°	4.8	4.8	3.9	2.8	1.8	1.8	1.8	1.8	2.8	2.8	2.8
145°	4.8	4.8	3.9	2.8	1.8	1.8	1.8	2.8	2.8	3.9	3.9
147.5°	4.8	4.8	3.9	2.8	1.8	1.0	1.8	2.8	3.9	3.9	3.9
150°	4.8	4.8	3.9	1.8	1.0	0.0	1.0	1.8	2.8	3.9	3.9
152.5°	3.9	3.9	2.8	1.0	1.0	0.0	0.0	1.0	2.8	2.8	2.8
155°	1.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
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)