

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: P266199

Luminaire Tested: **LXF.LXT-AF24-90-D-U-5WQ-CL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266199
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-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 7626 lumens
Efficiency: N/A
Efficacy: 81.1 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 - G2

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

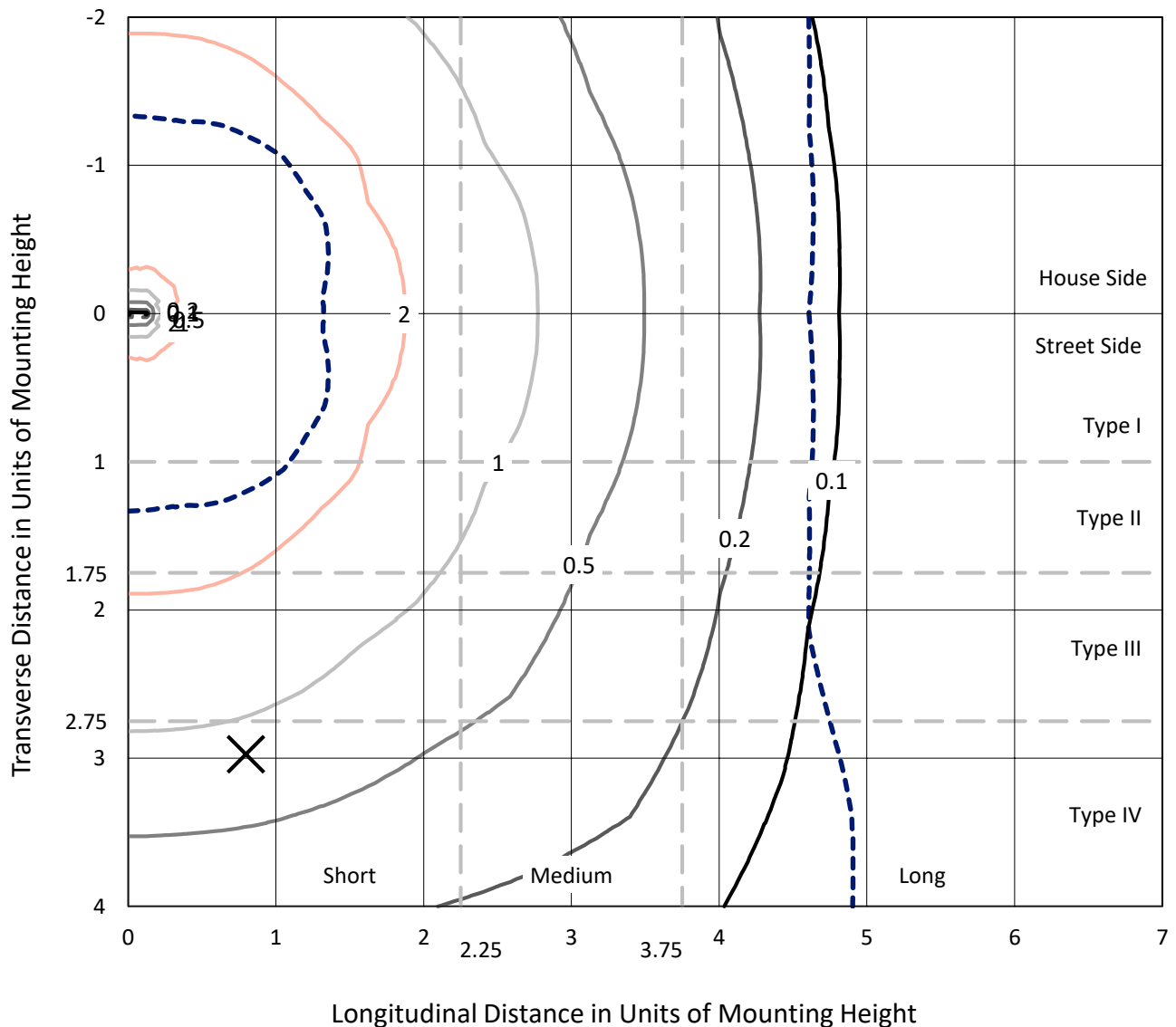


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

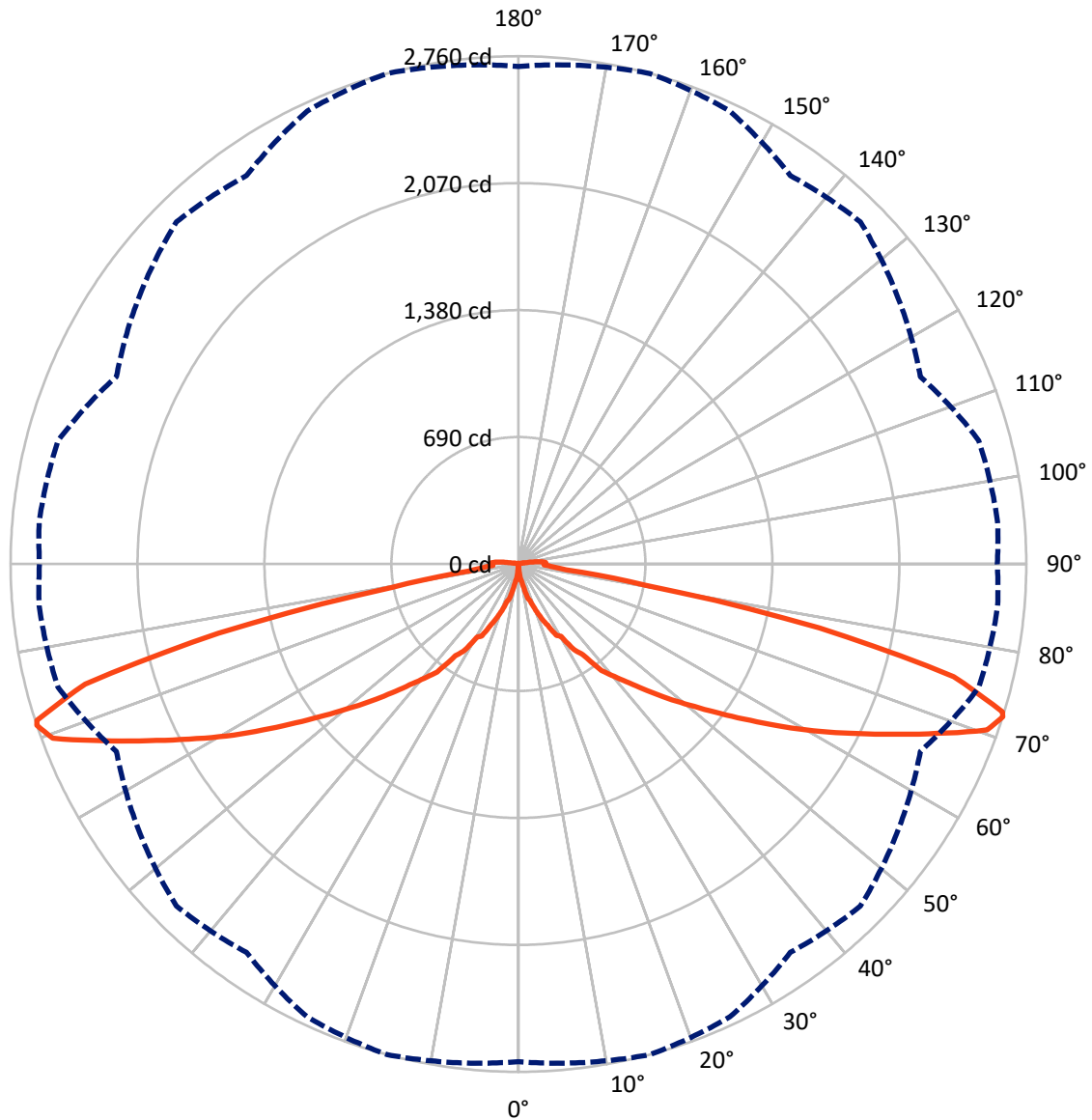


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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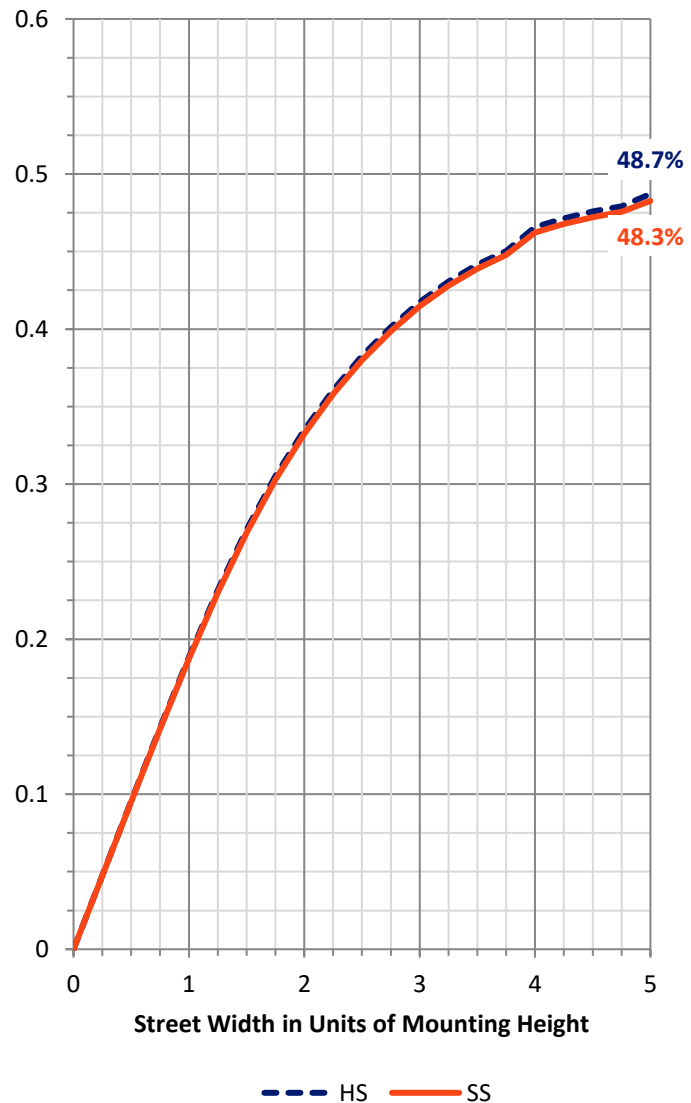
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3727.1	85.9	3813.0
	% Fixture	48.9	1.1	50.0
Street Side	Lumens	3727.1	85.9	3813.0
	% Fixture	48.9	1.1	50.0
Total	Lumens	7454.1	171.8	7626.0
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.0
10°-20°	45.9	0.6
20°-30°	172.6	2.3
30°-40°	390.2	5.1
40°-50°	709.0	9.3
50°-60°	1271.3	16.7
60°-70°	2148.7	28.2
70°-80°	2308.3	30.3
80°-90°	404.7	5.3
90°-100°	140.7	1.8
100°-110°	18.6	0.2
110°-120°	5.3	0.1
120°-130°	3.3	0.0
130°-140°	1.9	0.0
140°-150°	1.6	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7454.1	97.7
0°-180°	7626.0	100.0



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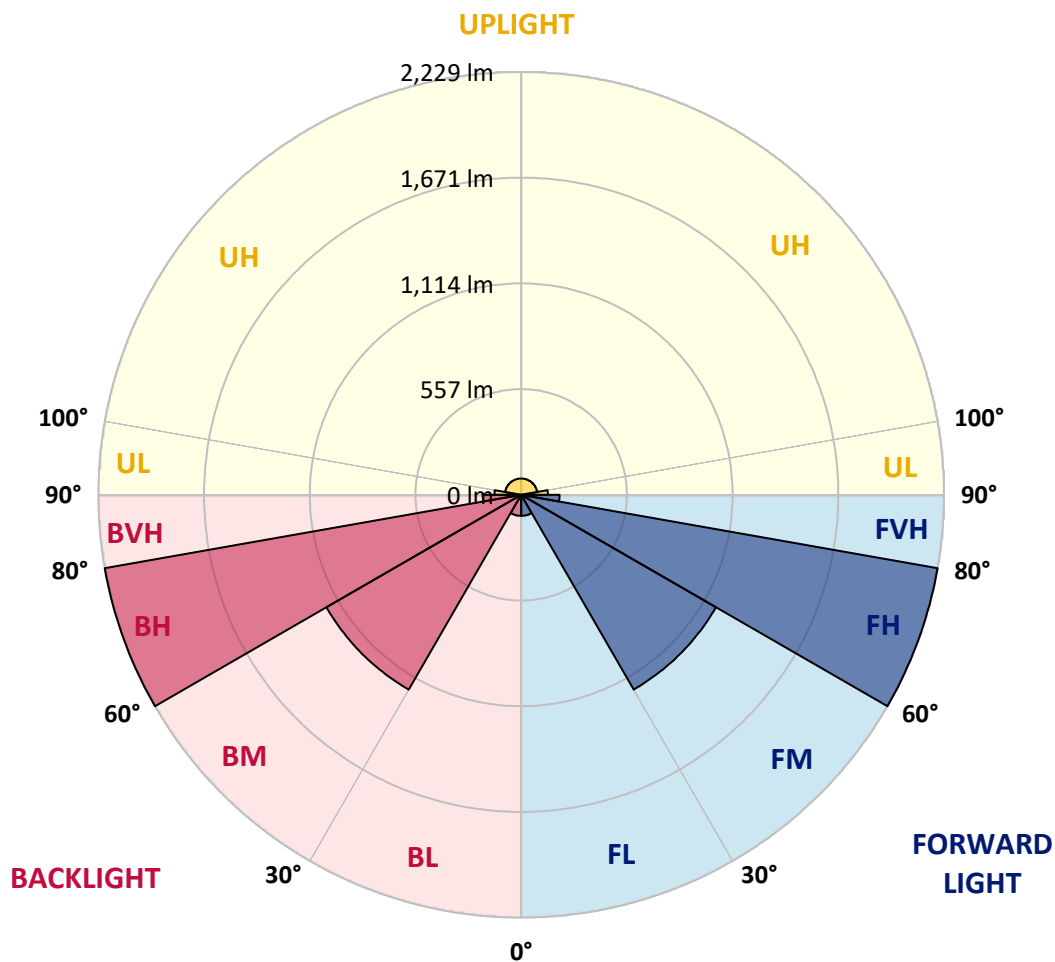
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	110.9	1.5			
FM (30°-60°)	1185.3	15.5			
FH (60°-80°)	2228.5	29.2			G2/5000
FVH (80°-90°)	202.4	2.7			G2/225
BL (0°-30°)	110.9	1.5	B1/500		
BM (30°-60°)	1185.3	15.5	B2/2500		
BH (60°-80°)	2228.5	29.2	B3/2500		G2/5000
BVH (80°-90°)	202.4	2.7			G2/225
UL (90°-100°)	140.7	1.8		U3/500	
UH (100°-180°)	85.9	1.1		U3/500	

BUG Rating: B3-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
2.5°	6.8	6.8	6.8	6.0	6.0	6.0	6.0	5.1	6.0	6.0	6.0
5°	38.5	40.3	36.0	35.2	16.3	12.8	7.7	6.0	6.0	6.0	6.0
7.5°	86.6	86.6	84.1	75.5	55.8	46.4	25.7	9.4	6.8	6.0	6.0
10°	99.5	97.8	93.6	93.6	90.1	82.4	48.9	23.1	10.3	9.4	9.4
12.5°	151.1	151.1	138.2	127.0	100.4	91.0	77.3	54.9	56.7	91.0	103.8
15°	201.7	201.7	193.9	180.2	143.3	106.4	139.0	163.0	138.2	148.4	149.3
17.5°	223.9	223.0	212.8	200.9	185.3	204.3	193.0	187.0	163.0	163.9	167.4
20°	310.6	307.2	268.6	246.2	216.2	261.6	230.0	215.4	275.4	296.0	302.9
22.5°	332.1	329.5	319.2	298.5	312.3	280.6	283.1	311.5	316.7	327.0	329.5
25°	393.0	392.1	368.1	331.3	359.5	321.0	364.7	332.9	353.6	411.9	434.2
27.5°	448.8	447.0	438.5	396.4	379.3	416.2	388.6	432.4	478.0	490.8	501.2
30°	502.8	500.3	456.5	462.4	423.0	441.1	473.6	481.4	498.5	531.9	533.8
32.5°	589.5	583.4	554.3	514.9	503.7	471.9	508.8	510.5	629.8	691.6	706.2
35°	676.2	670.1	605.0	587.0	548.3	560.4	544.9	623.0	671.8	730.2	740.6
37.5°	789.4	783.4	734.5	649.6	611.7	594.7	634.2	665.9	708.0	785.9	785.1
40°	851.2	848.5	804.1	737.1	673.5	653.8	674.4	702.7	768.1	838.4	846.1
42.5°	925.1	919.0	883.8	805.7	752.5	722.4	718.3	774.0	843.5	918.2	919.9
45°	1014.2	1005.7	980.8	877.9	825.5	801.5	800.6	858.9	939.5	1014.2	1022.8
47.5°	1114.6	1106.9	1090.6	970.4	919.9	889.0	908.6	945.6	1028.0	1117.2	1126.7
50°	1222.8	1218.5	1204.7	1089.7	1047.8	997.9	1020.3	1043.4	1142.0	1228.0	1230.5
52.5°	1338.6	1341.2	1335.2	1223.6	1177.3	1141.2	1166.1	1161.8	1257.9	1357.5	1355.0
55°	1483.6	1483.6	1486.2	1395.2	1349.8	1287.1	1330.0	1319.7	1407.3	1495.6	1493.1
57.5°	1646.7	1647.5	1655.1	1583.2	1544.5	1493.1	1521.4	1501.6	1557.4	1634.6	1626.9
60°	1810.5	1817.5	1841.4	1810.5	1760.8	1717.0	1756.5	1657.8	1725.6	1796.8	1785.7
62.5°	1979.5	1989.8	2025.9	2019.8	1966.7	1947.9	1980.5	1851.8	1941.7	1958.1	1946.9
65°	2175.2	2177.9	2228.4	2231.0	2151.3	2188.1	2177.0	2033.7	2160.7	2146.1	2144.3
67.5°	2392.2	2410.3	2456.7	2435.1	2328.8	2359.7	2341.7	2205.2	2338.3	2333.9	2326.3
70°	2658.4	2666.0	2702.9	2623.9	2471.2	2513.3	2462.7	2347.7	2530.4	2561.3	2553.6
72°	2704.6	2723.5	2760.4	2716.7	2576.8	2629.1	2520.1	2410.3	2590.5	2614.5	2603.4
72.5°	2692.6	2708.1	2751.0	2714.0	2589.6	2646.2	2527.0	2408.5	2575.1	2600.0	2586.2
75°	2346.8	2345.0	2443.7	2512.4	2557.0	2724.4	2493.5	2274.8	2297.1	2292.7	2271.4
77.5°	1493.9	1540.2	1672.4	1898.1	2230.1	2534.7	2209.6	1822.5	1632.8	1522.2	1475.0
80°	520.8	556.9	699.3	1001.4	1555.7	1934.1	1548.0	1005.7	669.2	519.9	513.1
82.5°	206.8	236.9	260.9	345.8	728.4	1131.8	723.3	374.1	300.4	271.2	262.6
85°	163.9	168.3	185.3	197.4	264.3	365.5	321.0	226.6	211.1	189.6	185.3
87.5°	144.2	147.6	139.0	142.4	184.5	205.1	201.7	145.9	130.4	143.3	138.2
90°	151.1	152.7	139.9	141.7	187.0	210.3	194.8	137.4	135.6	150.1	144.9
92.5°	161.3	163.9	150.1	151.1	193.0	218.0	195.7	136.5	147.6	161.3	156.1
95°	132.1	135.6	126.1	129.5	168.3	194.8	174.2	121.8	131.3	157.1	151.9
97.5°	78.2	81.6	80.7	102.9	110.8	121.8	113.2	84.1	80.7	88.4	83.3
100°	13.7	17.2	36.0	67.8	62.6	53.2	58.3	52.3	34.3	18.1	12.8
102.5°	12.8	13.7	26.6	36.9	26.6	18.9	25.7	30.9	19.8	11.9	11.9
105°	12.8	13.7	14.6	15.5	8.5	7.7	11.1	18.1	11.9	11.9	11.9
107.5°	11.9	11.9	7.7	6.8	6.8	7.7	6.8	7.7	8.5	11.1	11.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	10.3	10.3	6.8	6.0	6.0	6.8	6.0	6.8	6.8	8.5	8.5
112.5°	7.7	7.7	5.1	5.1	5.1	6.0	5.1	5.1	6.0	6.8	6.8
115°	7.7	7.7	5.1	4.3	4.3	5.1	4.3	4.3	5.1	6.8	6.8
117.5°	6.8	6.8	4.3	3.5	3.5	3.5	3.5	3.5	5.1	6.8	6.8
120°	6.8	6.8	4.3	3.5	3.5	2.5	3.5	3.5	4.3	6.8	6.8
122.5°	6.8	6.8	4.3	2.5	2.5	2.5	2.5	3.5	4.3	6.0	6.8
125°	6.8	6.0	4.3	2.5	2.5	2.5	2.5	2.5	4.3	6.0	6.0
127.5°	6.0	6.0	4.3	2.5	2.5	1.6	1.6	2.5	3.5	5.1	6.0
130°	6.0	6.0	4.3	2.5	2.5	1.6	1.6	1.6	3.5	5.1	5.1
132.5°	5.1	5.1	3.5	1.6	1.6	1.6	1.6	1.6	2.5	4.3	4.3
135°	4.3	4.3	3.5	1.6	1.6	1.6	1.6	1.6	1.6	3.5	3.5
137.5°	4.3	4.3	3.5	2.5	1.6	1.6	1.6	1.6	1.6	2.5	2.5
140°	4.3	4.3	3.5	2.5	1.6	1.6	1.6	1.6	2.5	2.5	2.5
142.5°	4.3	4.3	3.5	2.5	1.6	1.6	1.6	1.6	2.5	2.5	2.5
145°	4.3	4.3	3.5	2.5	1.6	1.6	1.6	2.5	2.5	3.5	3.5
147.5°	4.3	4.3	3.5	2.5	1.6	0.9	1.6	2.5	3.5	3.5	3.5
150°	4.3	4.3	3.5	1.6	0.9	0.0	0.9	1.6	2.5	3.5	3.5
152.5°	3.5	3.5	2.5	0.9	0.9	0.0	0.0	0.9	2.5	2.5	2.5
155°	1.6	1.6	0.9	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
157.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
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)