

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: P695693

Luminaire Tested: **LXF.LXT-PA16-60-750-U-5WQ-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695693
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-60-750-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6769 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Medium
BUG Rating: B3 - U3 - G3

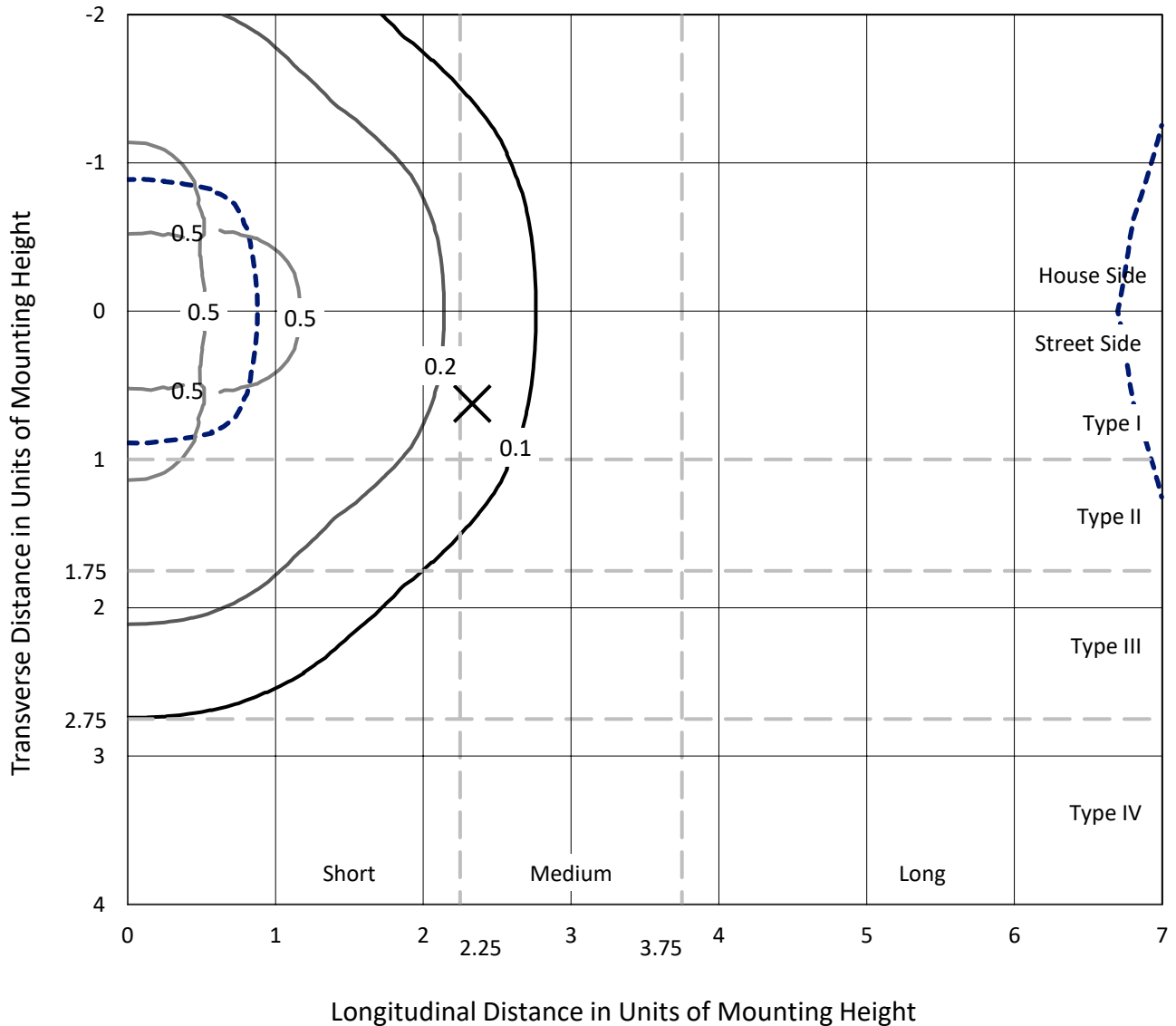
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

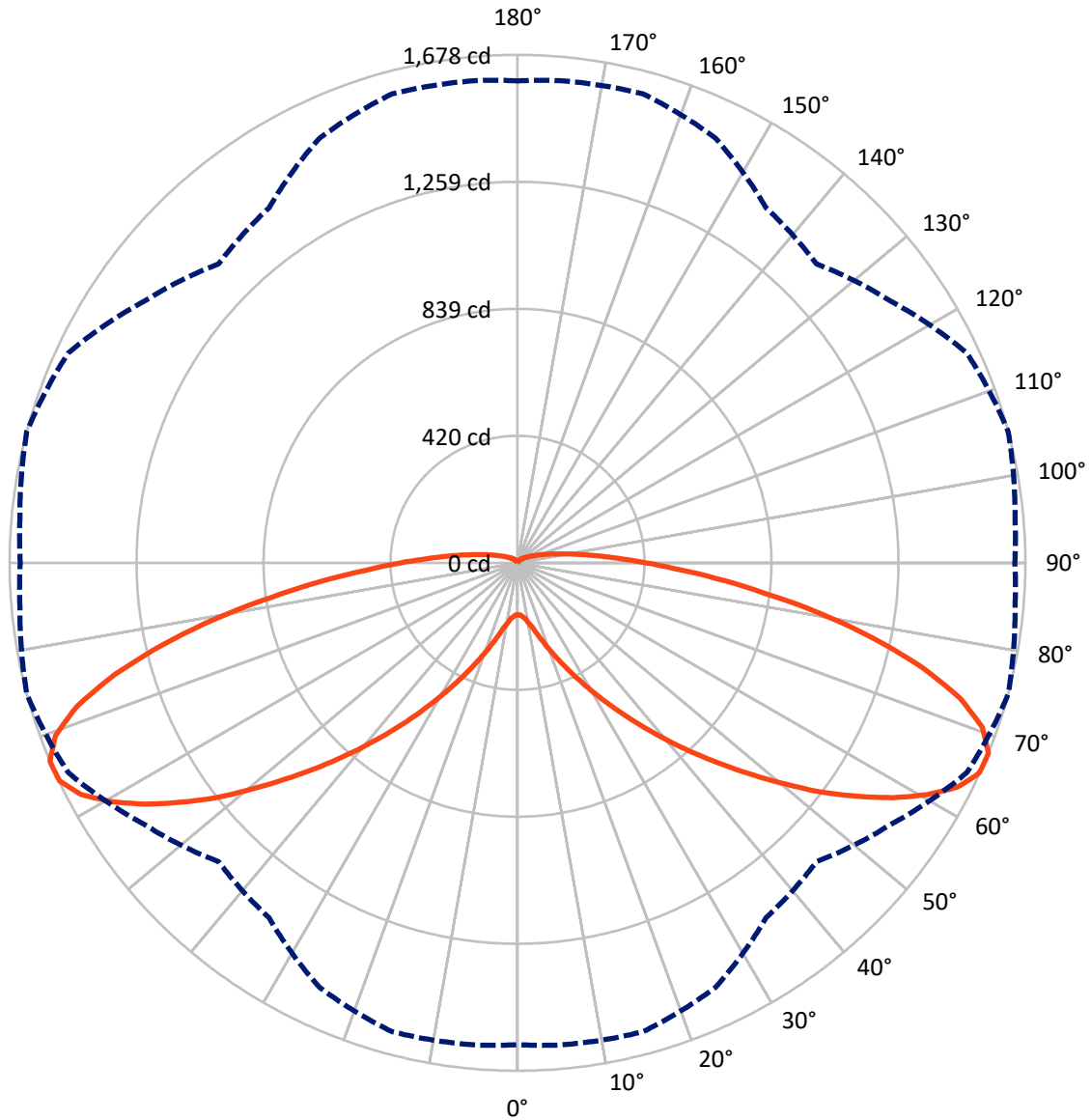
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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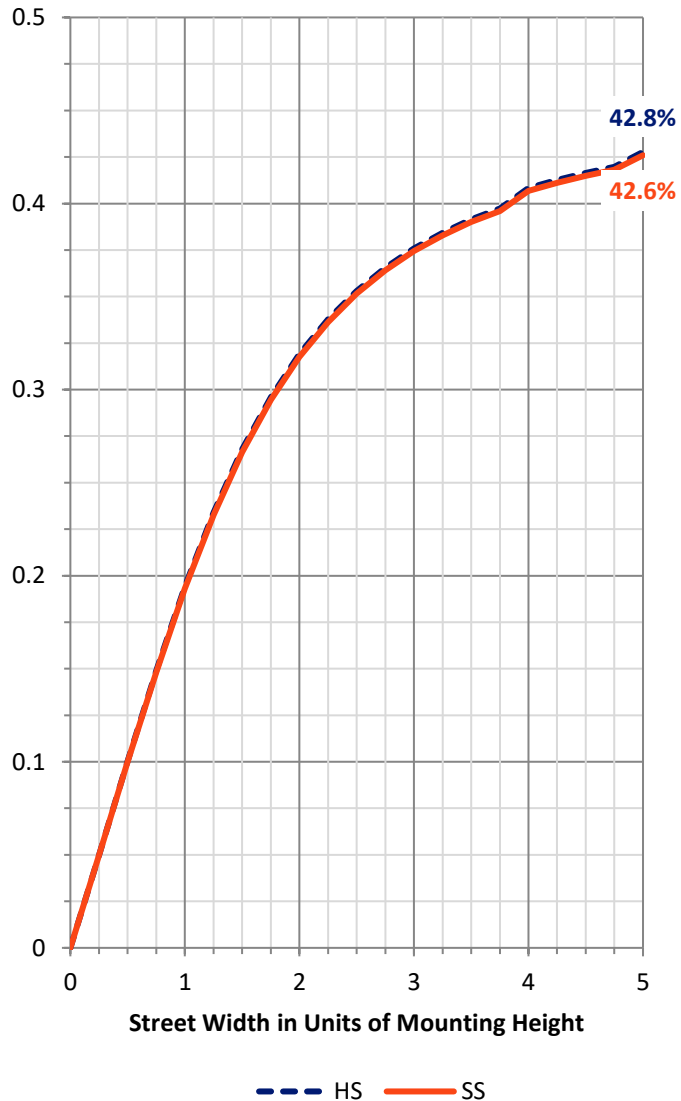
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3088.4	296.1	3384.5
	% Fixture	45.6	4.4	50.0
Street Side	Lumens	3088.4	296.1	3384.5
	% Fixture	45.6	4.4	50.0
Total	Lumens	6176.8	592.2	6769.0
	% Fixture	91.3	8.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.7	0.3
10°-20°	71.9	1.1
20°-30°	184.0	2.7
30°-40°	385.9	5.7
40°-50°	704.2	10.4
50°-60°	1140.3	16.8
60°-70°	1517.2	22.4
70°-80°	1382.7	20.4
80°-90°	772.8	11.4
90°-100°	328.7	4.9
100°-110°	142.3	2.1
110°-120°	67.0	1.0
120°-130°	33.0	0.5
130°-140°	15.4	0.2
140°-150°	5.5	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6176.8	91.3
0°-180°	6769.0	100.0

Coefficient of Utilization



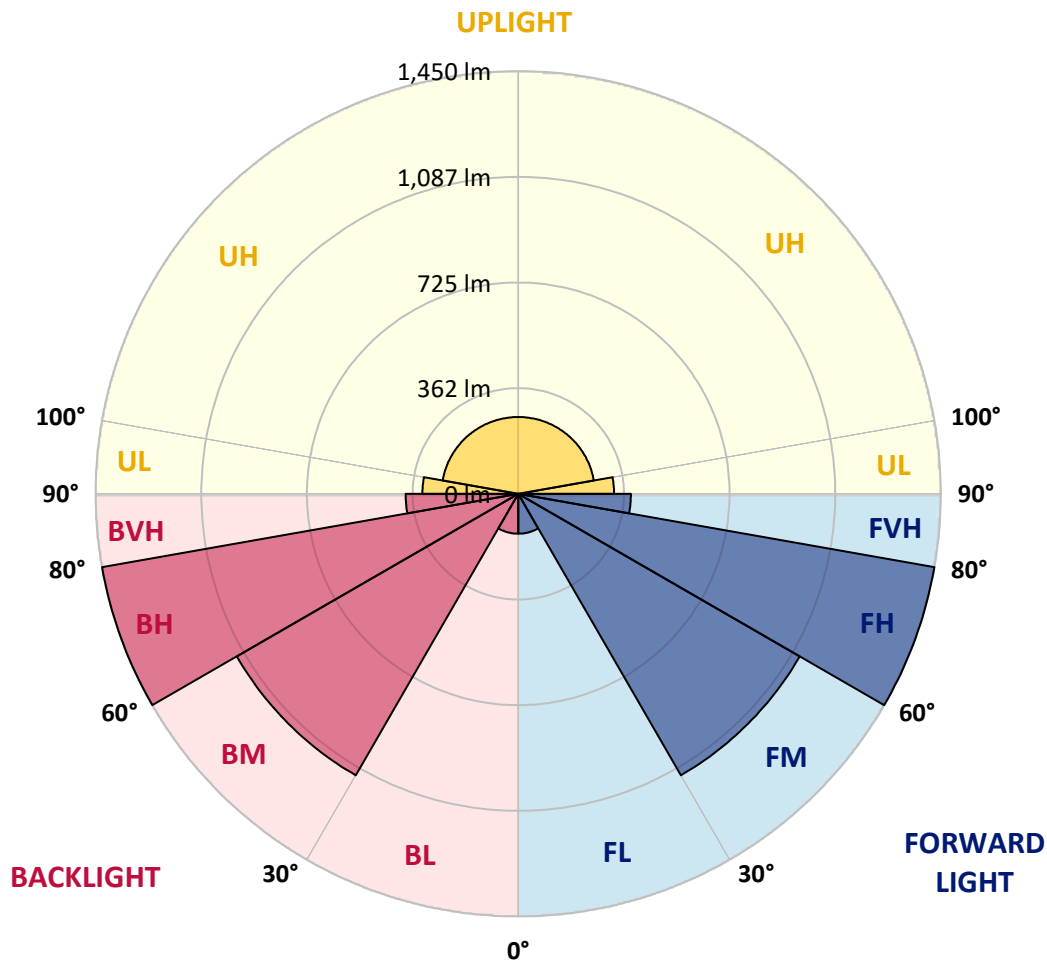
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	136.8	2.0			
FM (30°-60°)	1115.2	16.5			
FH (60°-80°)	1450.0	21.4			G1/1800
FVH (80°-90°)	386.4	5.7			G3/500
BL (0°-30°)	136.8	2.0	B1/500		
BM (30°-60°)	1115.2	16.5	B2/2500		
BH (60°-80°)	1450.0	21.4	B3/2500		G1/1800
BVH (80°-90°)	386.4	5.7			G3/500
UL (90°-100°)	328.7	4.9		U3/500	
UH (100°-180°)	263.5	3.9		U3/500	

BUG Rating: B3-U3-G3

Type V Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2
2.5°	172.2	172.2	172.2	172.2	172.2	174.6	174.6	172.2	172.2	172.2	172.2
5°	176.9	176.9	179.2	179.2	179.2	179.2	179.2	179.2	179.2	179.2	179.2
7.5°	186.2	186.2	186.2	188.5	188.5	188.5	188.5	186.2	186.2	186.2	188.5
10°	202.5	202.5	200.2	202.5	200.2	200.2	202.5	200.2	202.5	200.2	200.2
12.5°	221.1	221.1	221.1	221.1	218.8	218.8	218.8	218.8	218.8	221.1	221.1
15°	246.7	246.7	246.7	244.4	242.1	239.7	242.1	244.4	244.4	246.7	246.7
17.5°	279.3	279.3	277.0	274.6	272.3	270.0	270.0	272.3	274.6	277.0	277.0
20°	314.2	314.2	311.9	307.2	302.6	304.9	304.9	307.2	309.6	311.9	311.9
22.5°	353.8	351.4	349.1	344.5	342.1	339.8	342.1	342.1	349.1	353.8	351.4
25°	398.0	398.0	393.3	386.4	381.7	381.7	384.0	386.4	393.3	398.0	400.3
27.5°	449.2	444.5	439.9	432.9	425.9	423.6	425.9	435.2	442.2	451.5	449.2
30°	505.1	502.7	493.4	484.1	472.5	467.8	477.1	486.4	498.1	505.1	509.7
32.5°	565.6	565.6	553.9	537.6	523.7	519.0	526.0	544.6	558.6	567.9	574.9
35°	630.7	630.7	616.8	598.2	579.5	570.2	584.2	607.5	626.1	640.1	642.4
37.5°	707.5	702.9	688.9	663.3	633.1	628.4	644.7	672.6	698.2	714.5	714.5
40°	784.4	779.7	765.7	733.2	693.6	686.6	705.2	747.1	777.4	791.3	793.7
42.5°	868.1	861.2	847.2	812.3	763.4	749.4	777.4	826.3	861.2	877.5	877.5
45°	949.6	951.9	931.0	891.4	837.9	816.9	851.9	910.0	951.9	965.9	970.6
47.5°	1040.4	1042.7	1021.8	972.9	912.4	893.7	933.3	996.2	1047.4	1059.0	1063.7
50°	1140.5	1140.5	1124.2	1063.7	996.2	970.6	1019.4	1100.9	1149.8	1161.4	1163.7
52.5°	1238.2	1235.9	1224.2	1156.8	1079.9	1052.0	1107.9	1201.0	1259.2	1261.5	1261.5
55°	1336.0	1333.6	1319.7	1254.5	1163.7	1133.5	1201.0	1305.7	1361.6	1366.2	1368.5
57.5°	1422.1	1422.1	1408.1	1342.9	1242.9	1210.3	1289.4	1405.8	1464.0	1464.0	1464.0
60°	1501.2	1501.2	1494.2	1424.4	1317.3	1282.4	1373.2	1498.9	1554.7	1547.8	1547.8
62.5°	1561.7	1564.1	1559.4	1489.6	1375.5	1342.9	1443.0	1575.7	1631.6	1617.6	1610.6
65°	1596.6	1599.0	1601.3	1536.1	1419.8	1384.8	1489.6	1629.2	1675.8	1654.8	1647.8
67.5°	1592.0	1599.0	1603.6	1547.8	1431.4	1396.5	1505.9	1638.5	1678.1	1650.2	1643.2
70°	1547.8	1557.1	1566.4	1519.8	1412.8	1380.2	1484.9	1608.3	1629.2	1596.6	1585.0
72.5°	1461.6	1464.0	1487.3	1454.7	1361.6	1329.0	1419.8	1524.5	1529.1	1489.6	1475.6
75°	1333.6	1333.6	1363.9	1340.6	1270.8	1242.9	1317.3	1394.2	1380.2	1338.3	1322.0
77.5°	1170.7	1182.4	1208.0	1205.6	1149.8	1135.8	1189.3	1224.2	1203.3	1149.8	1133.5
80°	989.2	998.5	1035.7	1045.0	1012.4	998.5	1035.7	1047.4	1014.8	961.2	947.3
82.5°	821.6	830.9	865.8	891.4	870.5	858.8	877.5	868.1	821.6	775.0	765.7
85°	668.0	670.3	712.2	730.8	730.8	721.5	723.8	698.2	656.3	607.5	593.5
87.5°	533.0	533.0	570.2	598.2	605.1	598.2	591.2	558.6	512.0	472.5	470.1
90°	421.3	423.6	453.9	481.8	493.4	488.8	472.5	439.9	402.7	367.7	363.1
92.5°	335.2	339.8	363.1	391.0	405.0	402.7	384.0	353.8	316.5	288.6	286.3
95°	270.0	270.0	290.9	314.2	330.5	330.5	314.2	284.0	251.4	225.8	223.4
97.5°	214.1	216.5	235.1	256.0	270.0	270.0	256.0	230.4	200.2	179.2	174.6
100°	174.6	174.6	188.5	209.5	223.4	223.4	209.5	186.2	160.6	142.0	139.6
102.5°	139.6	142.0	153.6	172.2	183.9	186.2	174.6	155.9	130.3	114.0	114.0
105°	116.4	116.4	128.0	142.0	153.6	155.9	146.6	128.0	107.1	93.1	90.8
107.5°	95.4	95.4	104.7	121.0	130.3	132.7	123.4	107.1	88.4	76.8	74.5
110°	81.5	79.1	86.1	100.1	111.7	111.7	104.7	90.8	72.2	62.8	62.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	67.5	67.5	72.2	83.8	93.1	97.8	90.8	76.8	60.5	53.5	53.5
115°	58.2	58.2	62.8	72.2	81.5	81.5	76.8	62.8	51.2	46.5	46.5
117.5°	51.2	51.2	53.5	60.5	67.5	69.8	65.2	53.5	44.2	39.6	39.6
120°	44.2	44.2	46.5	51.2	58.2	60.5	55.9	46.5	37.2	34.9	34.9
122.5°	39.6	39.6	39.6	44.2	51.2	51.2	46.5	39.6	32.6	30.3	30.3
125°	34.9	34.9	34.9	37.2	41.9	44.2	39.6	32.6	27.9	27.9	27.9
127.5°	30.3	30.3	30.3	32.6	37.2	37.2	34.9	27.9	25.6	25.6	25.6
130°	27.9	27.9	27.9	27.9	30.3	30.3	27.9	23.3	23.3	23.3	23.3
132.5°	23.3	23.3	23.3	23.3	25.6	25.6	23.3	20.9	18.6	20.9	20.9
135°	20.9	20.9	20.9	20.9	20.9	20.9	18.6	16.3	16.3	18.6	18.6
137.5°	18.6	18.6	18.6	16.3	16.3	16.3	14.0	14.0	16.3	16.3	16.3
140°	16.3	16.3	14.0	14.0	14.0	11.6	11.6	11.6	14.0	14.0	14.0
142.5°	14.0	14.0	11.6	11.6	9.3	9.3	9.3	9.3	11.6	11.6	11.6
145°	9.3	9.3	9.3	9.3	7.0	7.0	7.0	7.0	9.3	9.3	9.3
147.5°	7.0	7.0	7.0	7.0	4.7	4.7	4.7	7.0	7.0	7.0	7.0
150°	4.7	4.7	4.7	4.7	4.7	2.3	4.7	4.7	4.7	4.7	4.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)