

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: P695154

Luminaire Tested: **LXF.LXT-PA16-40-750-U-5WQ-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695154
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-750-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4855 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

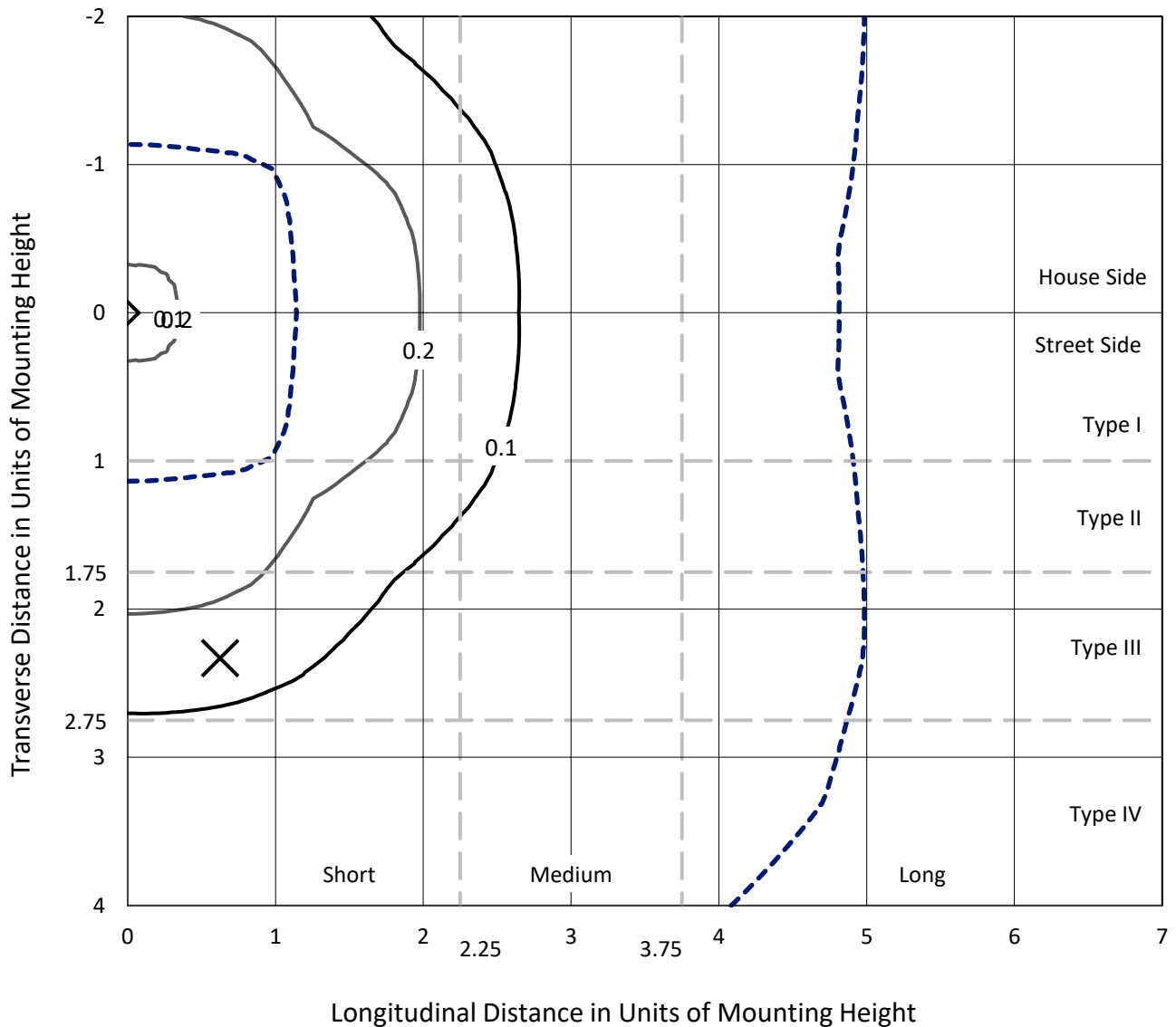
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

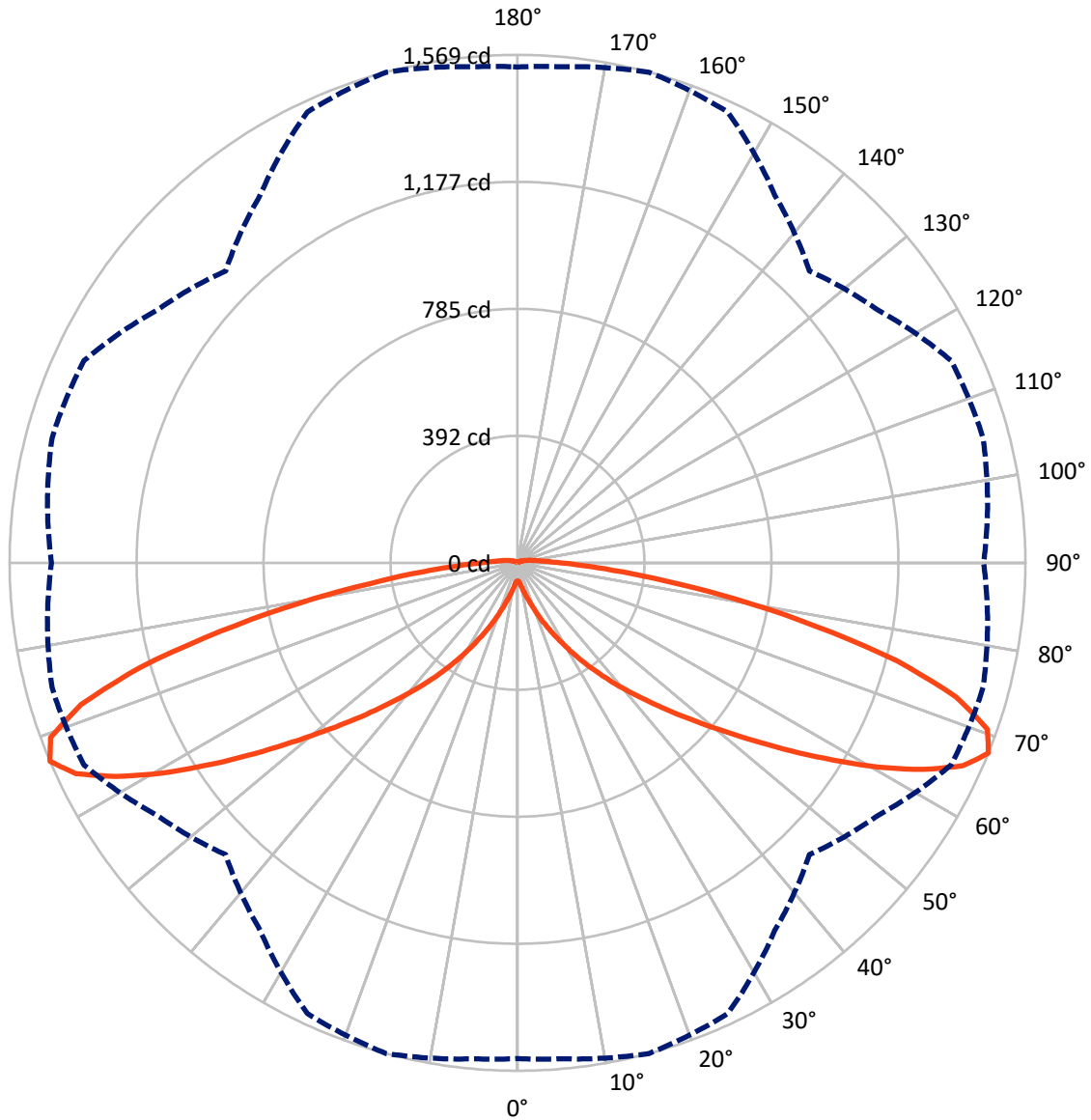
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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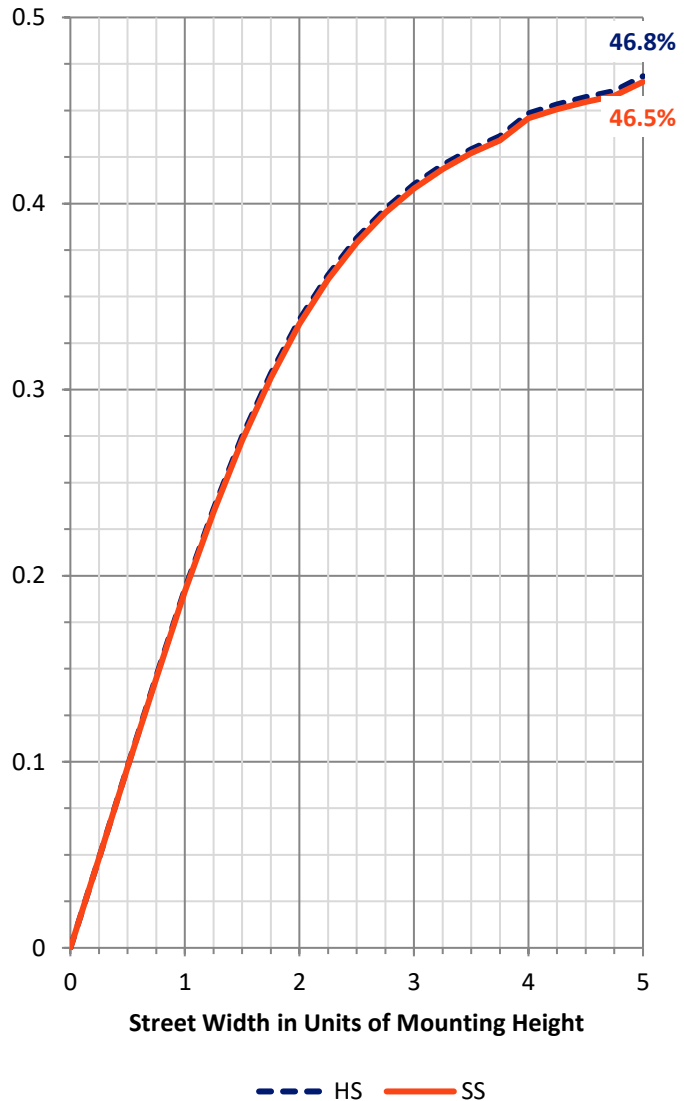
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2349.5	78.0	2427.5
	% Fixture	48.4	1.6	50.0
Street Side	Lumens	2349.5	78.0	2427.5
	% Fixture	48.4	1.6	50.0
Total	Lumens	4698.9	156.0	4855.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.4	0.1
10°-20°	32.9	0.7
20°-30°	103.4	2.1
30°-40°	243.0	5.0
40°-50°	473.9	9.8
50°-60°	867.0	17.9
60°-70°	1362.5	28.1
70°-80°	1201.2	24.7
80°-90°	408.6	8.4
90°-100°	91.5	1.9
100°-110°	35.1	0.7
110°-120°	15.5	0.3
120°-130°	7.7	0.2
130°-140°	4.2	0.1
140°-150°	1.9	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4698.9	96.8
0°-180°	4855.0	100.0

Coefficient of Utilization



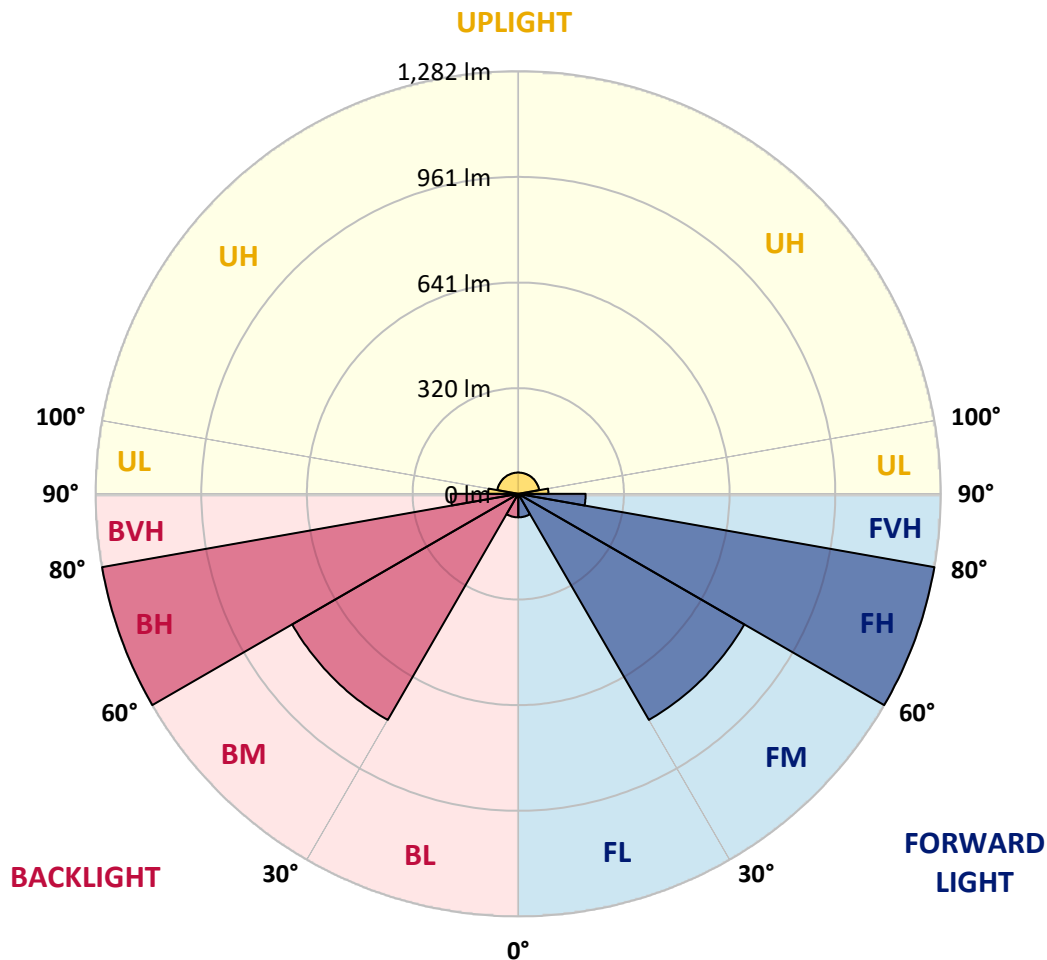
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	71.4	1.5			
FM (30°-60°)	792.0	16.3			
FH (60°-80°)	1281.8	26.4			G1/1800
FVH (80°-90°)	204.3	4.2			G2/225
BL (0°-30°)	71.4	1.5	B0/110		
BM (30°-60°)	792.0	16.3	B1/1000		
BH (60°-80°)	1281.8	26.4	B3/2500		G1/1800
BVH (80°-90°)	204.3	4.2			G2/225
UL (90°-100°)	91.5	1.9		U3/500	
UH (100°-180°)	64.5	1.3		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°	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
2.5°	57.2	57.2	57.2	57.2	58.8	58.8	58.8	57.2	57.2	57.2	57.2
5°	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	60.5
7.5°	68.6	68.6	68.6	68.6	68.6	70.3	68.6	68.6	68.6	68.6	68.6
10°	80.1	80.1	80.1	80.1	78.5	78.5	78.5	78.5	76.8	78.5	76.8
12.5°	94.8	94.8	94.8	93.2	91.5	91.5	91.5	89.9	91.5	91.5	91.5
15°	114.4	114.4	112.8	111.1	107.9	106.2	107.9	107.9	107.9	109.5	109.5
17.5°	135.7	137.3	134.0	130.8	127.5	127.5	125.9	127.5	130.8	132.4	132.4
20°	166.7	165.1	160.2	155.3	150.4	148.7	148.7	153.6	156.9	158.5	160.2
22.5°	197.8	197.8	192.9	183.1	176.5	173.3	174.9	179.8	188.0	194.5	194.5
25°	237.0	233.7	227.2	214.1	204.3	201.0	202.7	210.9	223.9	228.8	232.1
27.5°	276.2	274.6	264.8	250.1	235.4	228.8	233.7	248.4	263.2	273.0	276.2
30°	322.0	320.4	308.9	289.3	269.7	259.9	268.1	286.0	308.9	320.4	323.6
32.5°	372.7	371.0	356.3	330.2	304.0	294.2	304.0	330.2	356.3	371.0	372.7
35°	426.6	421.7	405.4	375.9	341.6	328.5	341.6	375.9	407.0	426.6	428.2
37.5°	480.5	477.3	459.3	425.0	384.1	367.8	382.5	426.6	460.9	483.8	478.9
40°	536.1	534.5	516.5	475.6	429.9	408.6	431.5	475.6	518.1	542.7	544.3
42.5°	599.9	599.9	577.0	534.5	478.9	454.4	478.9	536.1	583.5	603.1	604.8
45°	670.1	665.2	647.3	601.5	537.7	508.3	537.7	601.5	648.9	671.8	670.1
47.5°	743.7	740.4	724.1	678.3	603.1	572.1	601.5	675.0	724.1	740.4	740.4
50°	828.7	825.4	810.7	763.3	681.6	644.0	683.2	756.8	810.7	825.4	820.5
52.5°	926.8	917.0	910.4	864.6	776.4	727.4	769.8	858.1	907.1	910.4	910.4
55°	1023.2	1029.7	1024.8	975.8	877.7	818.9	871.2	967.6	1011.8	1018.3	1010.1
57.5°	1145.8	1152.3	1149.1	1098.4	992.1	921.9	980.7	1086.9	1124.5	1122.9	1121.3
60°	1281.4	1284.7	1281.4	1237.3	1119.6	1031.4	1101.7	1212.8	1248.8	1238.9	1230.8
62.5°	1400.8	1404.0	1405.7	1373.0	1232.4	1134.3	1206.3	1332.1	1359.9	1343.6	1338.7
65°	1497.2	1495.6	1511.9	1477.6	1328.8	1219.3	1301.1	1433.5	1449.8	1423.6	1415.5
67.5°	1531.5	1538.1	1569.1	1536.4	1386.1	1274.9	1359.9	1477.6	1489.0	1456.3	1440.0
70°	1487.4	1502.1	1539.7	1523.4	1386.1	1283.1	1361.5	1464.5	1459.6	1418.7	1402.4
72.5°	1366.4	1369.7	1417.1	1425.3	1323.9	1238.9	1299.4	1373.0	1348.5	1292.9	1288.0
75°	1152.3	1152.3	1211.2	1247.1	1191.5	1122.9	1170.3	1203.0	1165.4	1100.0	1091.8
77.5°	882.6	892.4	941.5	1019.9	1006.9	974.2	995.4	1001.9	923.5	854.8	856.5
80°	621.1	634.2	686.5	766.6	789.5	787.8	792.7	750.2	676.7	621.1	612.9
82.5°	416.8	410.3	459.3	531.2	585.2	595.0	591.7	532.8	460.9	408.6	402.1
85°	253.3	255.0	294.2	353.1	402.1	426.6	408.6	356.3	290.9	256.6	255.0
87.5°	156.9	160.2	183.1	222.3	273.0	295.8	276.2	230.5	183.1	158.5	156.9
90°	106.2	106.2	121.0	145.5	179.8	202.7	184.7	148.7	121.0	106.2	104.6
92.5°	76.8	80.1	85.0	101.3	125.9	140.6	127.5	101.3	85.0	76.8	75.2
95°	60.5	60.5	65.4	73.6	91.5	101.3	91.5	75.2	65.4	58.8	58.8
97.5°	47.4	49.0	52.3	58.8	70.3	76.8	70.3	58.8	52.3	47.4	45.8
100°	37.6	39.2	42.5	49.0	57.2	60.5	57.2	49.0	42.5	37.6	37.6
102.5°	29.4	31.1	34.3	40.9	47.4	49.0	47.4	39.2	34.3	29.4	29.4
105°	22.9	22.9	27.8	34.3	39.2	40.9	39.2	32.7	27.8	22.9	22.9
107.5°	18.0	18.0	22.9	27.8	32.7	34.3	32.7	27.8	21.2	18.0	18.0
110°	14.7	14.7	18.0	22.9	27.8	29.4	27.8	22.9	18.0	14.7	14.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	11.4	11.4	14.7	19.6	22.9	24.5	22.9	19.6	14.7	11.4	11.4
115°	9.8	9.8	11.4	16.3	19.6	21.2	19.6	16.3	11.4	9.8	9.8
117.5°	8.2	8.2	9.8	13.1	16.3	18.0	16.3	13.1	9.8	8.2	8.2
120°	8.2	8.2	8.2	11.4	14.7	16.3	14.7	11.4	8.2	8.2	8.2
122.5°	6.5	6.5	8.2	9.8	13.1	13.1	11.4	9.8	8.2	6.5	6.5
125°	6.5	6.5	6.5	8.2	9.8	11.4	9.8	8.2	6.5	6.5	6.5
127.5°	6.5	6.5	6.5	6.5	9.8	9.8	9.8	6.5	6.5	6.5	6.5
130°	4.9	4.9	4.9	6.5	8.2	8.2	8.2	6.5	6.5	4.9	6.5
132.5°	4.9	4.9	4.9	6.5	6.5	8.2	6.5	6.5	4.9	4.9	4.9
135°	4.9	4.9	4.9	4.9	6.5	6.5	6.5	4.9	4.9	4.9	4.9
137.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
140°	3.3	3.3	3.3	3.3	4.9	4.9	4.9	3.3	3.3	4.9	3.3
142.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
145°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
147.5°	1.6	3.3	1.6	1.6	1.6	3.3	3.3	3.3	3.3	3.3	3.3
150°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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)