

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: P694954

Luminaire Tested: **LXF.LXT-PA16-30-827-U-T2R-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694954
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-10)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-827-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2631 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G1

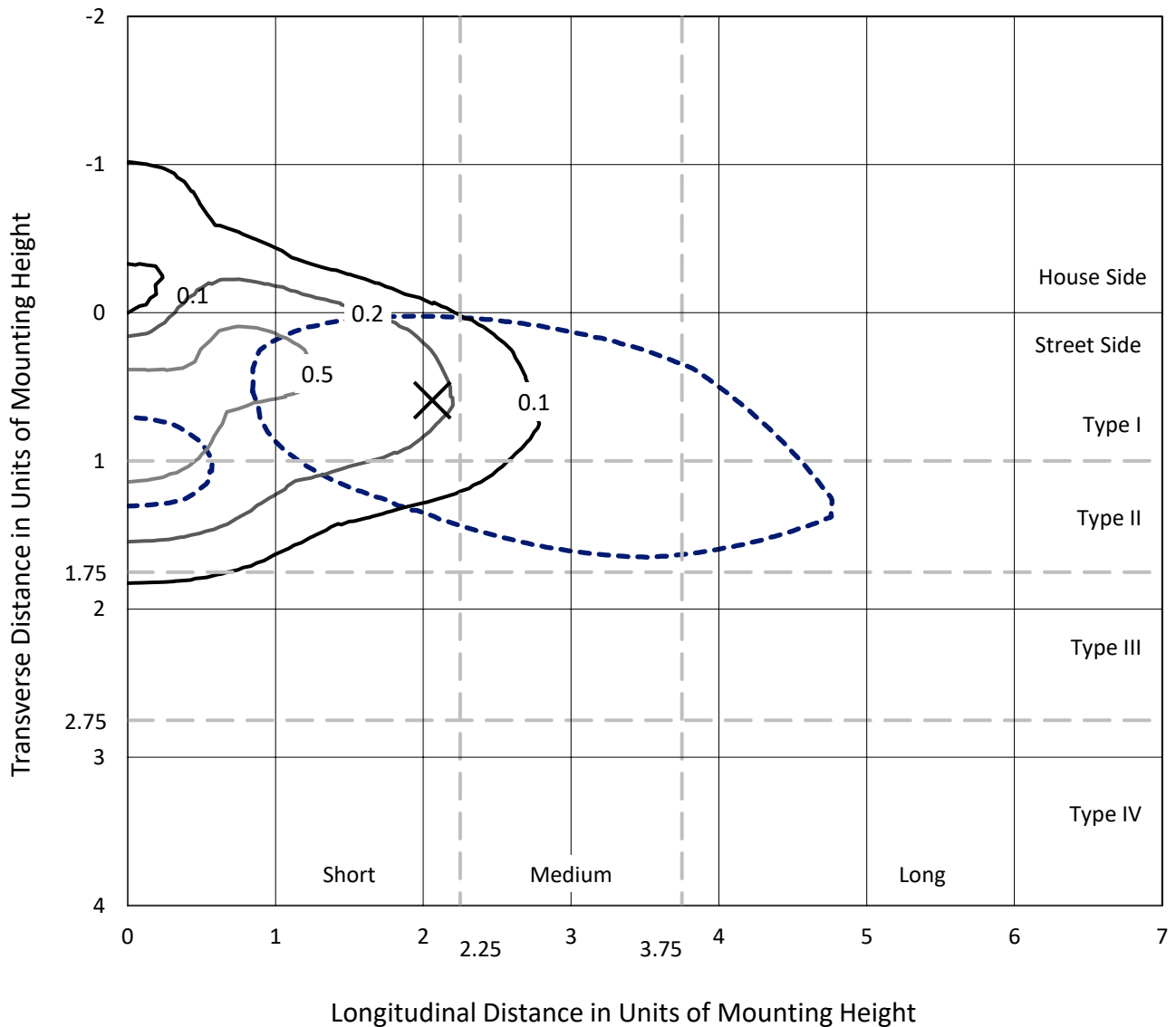
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

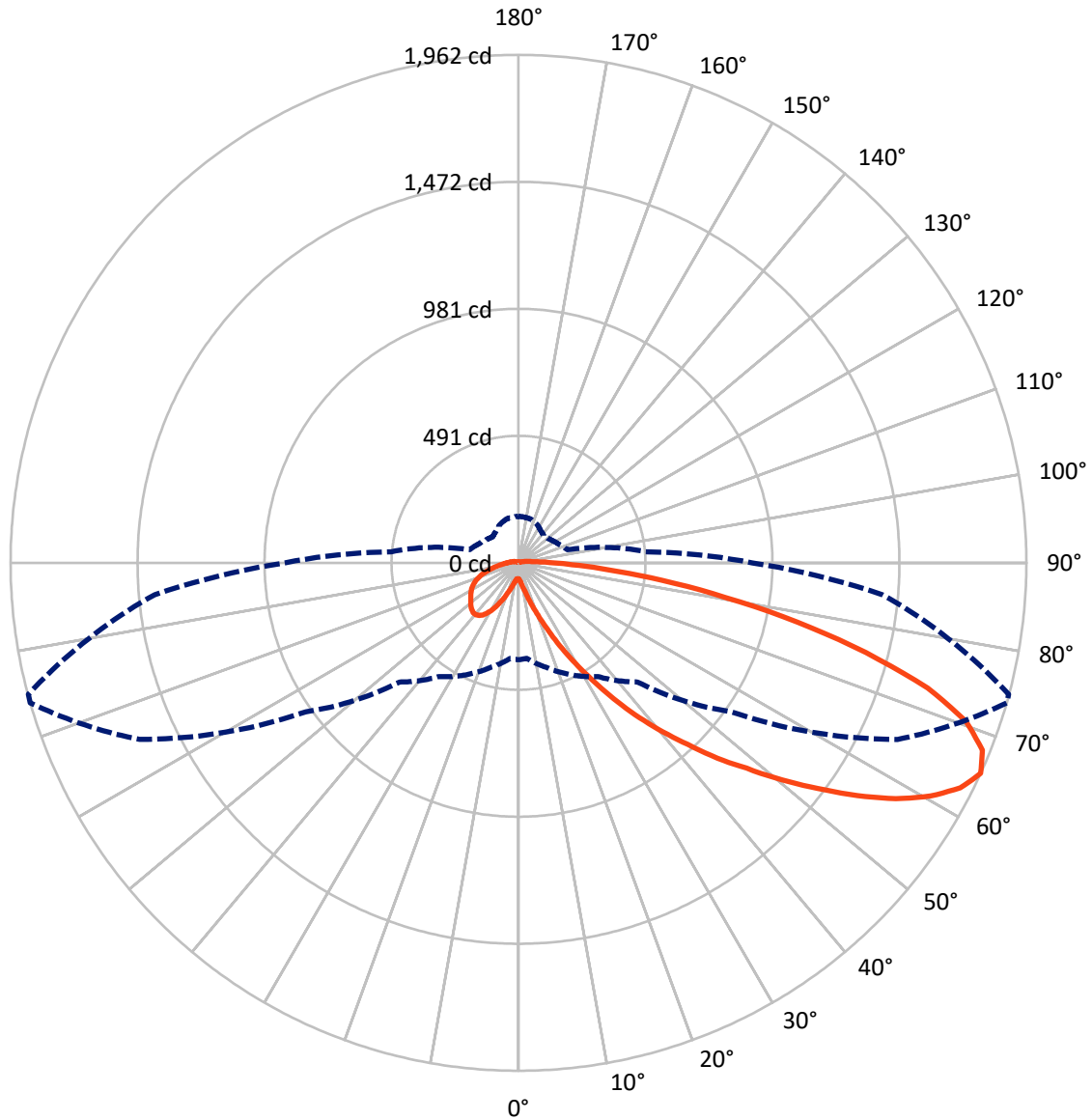
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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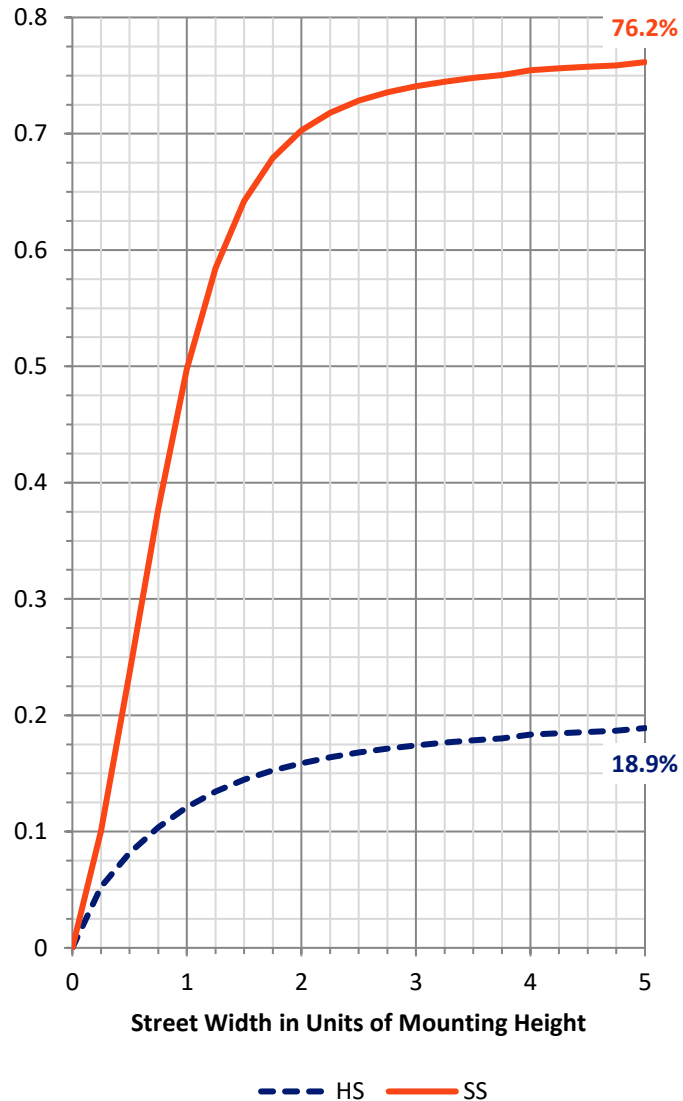
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	522.0	42.6	564.6
	% Fixture	19.8	1.6	21.5
Street Side	Lumens	2028.3	38.1	2066.4
	% Fixture	77.1	1.4	78.5
Total	Lumens	2550.3	80.7	2631.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.1	0.3
10°-20°	37.9	1.4
20°-30°	126.1	4.8
30°-40°	289.0	11.0
40°-50°	462.5	17.6
50°-60°	574.1	21.8
60°-70°	557.2	21.2
70°-80°	363.4	13.8
80°-90°	132.9	5.1
90°-100°	39.7	1.5
100°-110°	18.4	0.7
110°-120°	10.2	0.4
120°-130°	6.4	0.2
130°-140°	4.0	0.2
140°-150°	2.0	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2550.3	96.9
0°-180°	2631.0	100.0

Coefficient of Utilization

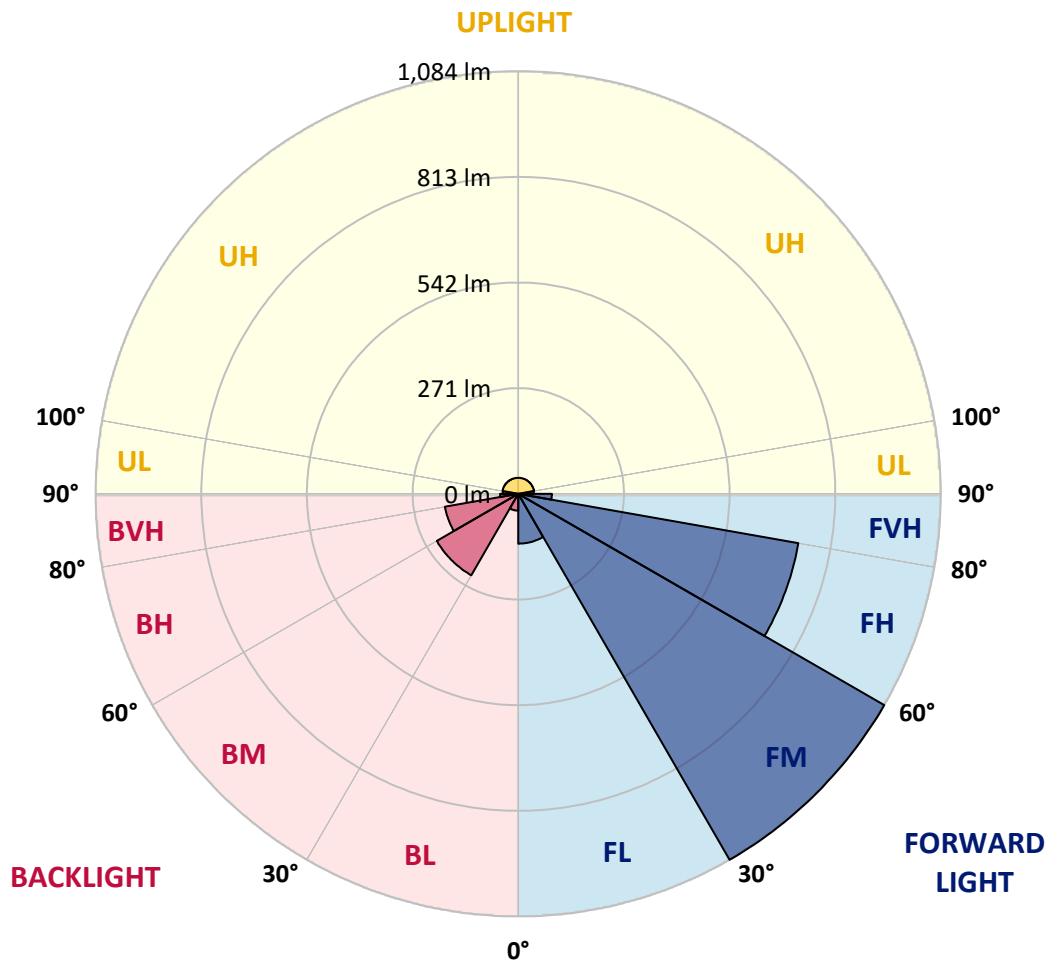


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	127.9	4.9			
FM (30°-60°)	1084.4	41.2			
FH (60°-80°)	729.8	27.7			G1/1800
FVH (80°-90°)	86.3	3.3			G1/100
BL (0°-30°)	43.3	1.6	B0/110		
BM (30°-60°)	241.3	9.2	B1/1000		
BH (60°-80°)	190.9	7.3	B1/500		G1/500
BVH (80°-90°)	46.6	1.8			G1/100
UL (90°-100°)	39.7	1.5		U2/50	
UH (100°-180°)	41.1	1.6		U2/50	

BUG Rating: B1-U2-G1
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
2.5°	71.2	72.2	72.2	71.2	70.2	70.2	68.3	66.3	65.3	65.3	64.4
5°	86.8	87.8	87.8	85.8	82.9	81.9	78.0	75.1	72.2	72.2	68.3
7.5°	109.2	110.2	108.3	106.3	102.4	98.5	93.6	87.8	81.9	81.0	76.1
10°	135.6	138.5	136.6	131.7	125.8	120.9	113.1	103.4	97.5	95.6	86.8
12.5°	176.5	174.6	169.7	164.8	158.0	148.3	137.5	125.8	114.1	115.1	103.4
15°	218.5	222.4	215.6	206.8	193.1	182.4	167.8	155.1	142.4	140.5	124.8
17.5°	279.9	279.0	271.2	253.6	233.1	222.4	206.8	191.2	176.5	171.7	151.2
20°	352.1	351.1	335.5	313.1	293.6	272.1	250.7	234.1	216.5	212.6	186.3
22.5°	437.9	434.0	417.5	385.3	352.1	325.8	303.3	290.7	267.3	263.3	227.3
25°	537.4	528.6	510.1	467.2	416.5	386.2	365.8	351.1	328.7	323.8	277.0
27.5°	647.6	641.8	607.7	551.1	490.6	443.8	429.2	419.4	400.9	395.0	332.6
30°	751.0	753.0	715.9	644.7	567.7	511.1	500.4	501.3	477.0	472.1	397.9
32.5°	873.9	866.1	818.3	736.4	639.8	581.3	571.6	585.2	564.7	560.8	469.2
35°	971.5	977.3	926.6	825.2	713.0	645.7	649.6	672.0	660.3	654.5	532.6
37.5°	1065.1	1060.2	1000.7	900.3	776.4	706.2	720.8	770.5	758.8	752.0	607.7
40°	1127.5	1121.7	1070.0	961.7	833.9	761.8	790.0	864.2	859.3	856.4	672.0
42.5°	1156.8	1149.0	1107.0	1004.6	875.9	805.7	861.2	959.8	958.8	955.9	746.2
45°	1150.0	1145.1	1112.9	1030.0	903.2	846.6	924.6	1059.2	1076.8	1063.2	814.4
47.5°	1119.7	1114.8	1092.4	1030.0	917.8	872.0	981.2	1163.6	1186.0	1173.4	890.5
50°	1059.2	1057.3	1051.4	1005.6	915.9	892.5	1035.8	1258.2	1318.7	1306.0	977.3
52.5°	974.4	973.4	983.2	961.7	897.3	895.4	1078.8	1367.5	1448.4	1434.8	1062.2
55°	874.9	874.9	891.5	893.4	861.2	884.7	1111.9	1455.2	1587.9	1568.4	1154.8
57.5°	748.1	752.0	789.1	813.5	801.8	853.4	1123.6	1539.1	1719.6	1706.9	1250.4
60°	622.3	624.2	667.2	708.1	728.6	809.6	1112.9	1596.7	1829.8	1824.9	1327.5
62.5°	490.6	492.6	537.4	596.9	636.9	737.4	1072.9	1623.0	1915.6	1912.7	1384.0
65°	374.5	370.6	418.4	477.0	536.5	651.5	1003.7	1615.2	1962.4	1960.5	1411.4
67.5°	269.2	277.0	313.1	369.7	430.1	559.9	908.1	1539.1	1933.2	1935.1	1382.1
70°	195.1	207.8	233.1	276.0	338.5	460.4	793.0	1412.3	1833.7	1845.4	1299.2
72.5°	150.2	151.2	171.7	205.8	255.5	364.8	656.4	1239.7	1653.2	1657.1	1155.8
75°	117.0	120.0	133.6	158.0	196.0	282.9	532.6	1026.1	1386.0	1408.4	980.2
77.5°	95.6	96.6	107.3	121.9	150.2	213.6	397.9	809.6	1102.2	1104.1	764.7
80°	75.1	79.0	87.8	97.5	117.0	160.0	292.6	593.0	810.5	797.9	541.3
82.5°	57.5	60.5	67.3	78.0	88.8	120.0	209.7	418.4	556.9	547.2	370.6
85°	42.9	44.9	51.7	60.5	70.2	91.7	146.3	270.2	345.3	334.6	225.3
87.5°	30.2	31.2	37.1	44.9	53.6	69.3	101.4	165.8	207.8	203.9	139.5
90°	20.5	21.5	26.3	33.2	41.9	53.6	73.2	103.4	120.9	120.9	88.8
92.5°	14.6	15.6	19.5	25.4	33.2	42.9	53.6	67.3	74.1	73.2	60.5
95°	11.7	11.7	15.6	20.5	27.3	35.1	41.0	45.8	49.7	49.7	45.8
97.5°	9.8	9.8	13.7	17.6	23.4	29.3	33.2	34.1	36.1	36.1	34.1
100°	8.8	8.8	11.7	15.6	19.5	24.4	27.3	26.3	27.3	28.3	26.3
102.5°	7.8	7.8	10.7	13.7	17.6	21.5	22.4	21.5	21.5	21.5	20.5
105°	6.8	6.8	9.8	12.7	15.6	18.5	19.5	17.6	16.6	16.6	16.6
107.5°	5.9	5.9	8.8	10.7	13.7	16.6	16.6	15.6	13.7	13.7	12.7
110°	5.9	5.9	7.8	9.8	12.7	14.6	14.6	12.7	10.7	10.7	10.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	4.9	4.9	6.8	9.8	11.7	12.7	12.7	10.7	9.8	8.8	8.8
115°	4.9	4.9	6.8	8.8	10.7	11.7	11.7	9.8	7.8	7.8	7.8
117.5°	4.9	4.9	5.9	7.8	9.8	10.7	9.8	8.8	6.8	6.8	6.8
120°	4.9	4.9	5.9	6.8	8.8	9.8	9.8	7.8	5.9	5.9	6.8
122.5°	4.9	4.9	5.9	6.8	7.8	8.8	8.8	6.8	5.9	5.9	5.9
125°	4.9	4.9	5.9	6.8	7.8	8.8	7.8	6.8	4.9	4.9	5.9
127.5°	4.9	4.9	5.9	5.9	6.8	7.8	6.8	5.9	4.9	4.9	5.9
130°	4.9	4.9	5.9	5.9	6.8	6.8	6.8	4.9	4.9	4.9	4.9
132.5°	5.9	5.9	5.9	5.9	5.9	6.8	5.9	4.9	3.9	3.9	4.9
135°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	4.9	3.9	3.9	4.9
137.5°	4.9	5.9	4.9	4.9	4.9	5.9	4.9	3.9	3.9	3.9	3.9
140°	4.9	4.9	4.9	4.9	4.9	4.9	3.9	2.9	3.9	3.9	3.9
142.5°	4.9	4.9	4.9	3.9	3.9	3.9	3.9	2.9	2.9	2.9	3.9
145°	3.9	3.9	3.9	3.9	3.9	3.9	2.9	2.9	2.9	2.9	2.9
147.5°	3.9	3.9	3.9	2.9	2.9	2.9	2.0	2.0	2.0	2.0	2.9
150°	2.9	2.9	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
2.5°	63.4	62.4	61.4	60.5	58.5	57.5	57.5	56.6	56.6	56.6	56.6
5°	66.3	65.3	62.4	59.5	56.6	54.6	52.7	52.7	51.7	50.7	50.7
7.5°	73.2	70.2	65.3	60.5	57.5	53.6	51.7	49.7	48.8	48.8	48.8
10°	82.9	79.0	71.2	64.4	59.5	54.6	51.7	49.7	48.8	47.8	47.8
12.5°	96.6	91.7	80.0	71.2	62.4	57.5	53.6	51.7	50.7	50.7	50.7
15°	116.1	108.3	93.6	79.0	69.3	60.5	58.5	58.5	59.5	59.5	59.5
17.5°	141.4	129.7	107.3	88.8	76.1	68.3	65.3	66.3	68.3	68.3	68.3
20°	168.7	155.1	124.8	101.4	84.9	78.0	74.1	76.1	79.0	81.0	81.0
22.5°	206.8	187.3	146.3	115.1	95.6	86.8	84.9	86.8	91.7	93.6	93.6
25°	250.7	221.4	168.7	129.7	107.3	97.5	95.6	98.5	104.4	109.2	109.2
27.5°	296.5	259.4	193.1	144.4	118.0	106.3	105.3	110.2	118.0	122.9	123.9
30°	349.2	298.5	215.6	159.0	128.7	115.1	115.1	122.9	131.7	138.5	139.5
32.5°	400.9	339.4	235.1	171.7	138.5	122.9	123.9	133.6	145.3	151.2	153.1
35°	453.5	374.5	252.6	182.4	145.3	129.7	131.7	144.4	156.1	162.9	162.9
37.5°	504.3	406.7	261.4	188.2	151.2	134.6	138.5	153.1	164.8	170.7	171.7
40°	553.0	431.1	267.3	192.1	155.1	139.5	143.4	159.0	171.7	177.5	177.5
42.5°	595.9	451.6	268.2	193.1	158.0	142.4	148.3	163.9	175.6	179.5	180.4
45°	639.8	469.2	263.3	191.2	160.0	145.3	150.2	166.8	177.5	180.4	181.4
47.5°	679.8	483.8	257.5	189.2	160.9	146.3	152.2	168.7	178.5	179.5	180.4
50°	726.6	495.5	248.7	186.3	161.9	147.3	153.1	168.7	178.5	178.5	178.5
52.5°	771.5	505.2	239.9	183.4	161.9	147.3	153.1	169.7	178.5	177.5	177.5
55°	820.3	514.0	231.2	181.4	160.9	147.3	153.1	169.7	177.5	176.5	177.5
57.5°	858.3	517.9	224.3	179.5	160.9	146.3	152.2	168.7	176.5	176.5	176.5
60°	891.5	516.9	215.6	177.5	160.0	145.3	152.2	167.8	176.5	176.5	176.5
62.5°	911.0	508.2	206.8	175.6	158.0	143.4	151.2	167.8	176.5	177.5	177.5
65°	903.2	492.6	195.1	170.7	154.1	141.4	150.2	165.8	175.6	178.5	179.5
67.5°	870.0	457.4	182.4	163.9	150.2	139.5	149.2	163.9	173.6	178.5	178.5
70°	800.8	413.6	165.8	154.1	143.4	136.6	146.3	160.9	169.7	175.6	175.6
72.5°	704.2	357.0	150.2	141.4	135.6	131.7	143.4	156.1	163.9	168.7	168.7
75°	585.2	296.5	131.7	126.8	125.8	124.8	137.5	149.2	154.1	158.0	158.0
77.5°	457.4	239.0	112.2	112.2	112.2	116.1	129.7	137.5	141.4	145.3	145.3
80°	334.6	182.4	94.6	95.6	98.5	106.3	118.0	123.9	125.8	129.7	127.8
82.5°	228.2	132.6	79.0	79.0	84.9	93.6	105.3	108.3	109.2	112.2	109.2
85°	150.2	95.6	65.3	65.3	71.2	80.0	88.8	90.7	90.7	92.7	89.7
87.5°	97.5	70.2	53.6	53.6	57.5	66.3	73.2	73.2	73.2	75.1	72.2
90°	69.3	53.6	44.9	43.9	46.8	53.6	58.5	57.5	57.5	58.5	56.6
92.5°	50.7	43.9	38.0	37.1	39.0	43.9	46.8	45.8	46.8	45.8	44.9
95°	40.0	36.1	33.2	32.2	33.2	36.1	38.0	37.1	37.1	36.1	35.1
97.5°	32.2	30.2	29.3	28.3	28.3	29.3	31.2	30.2	31.2	29.3	28.3
100°	26.3	25.4	25.4	25.4	24.4	25.4	26.3	26.3	26.3	24.4	24.4
102.5°	20.5	21.5	22.4	22.4	21.5	22.4	22.4	22.4	22.4	20.5	20.5
105°	16.6	17.6	19.5	19.5	19.5	19.5	19.5	19.5	19.5	17.6	17.6
107.5°	13.7	14.6	16.6	17.6	16.6	16.6	17.6	17.6	16.6	15.6	15.6
110°	11.7	12.7	13.7	14.6	14.6	14.6	15.6	15.6	14.6	13.7	12.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.8	10.7	12.7	12.7	13.7	13.7	13.7	13.7	12.7	11.7	11.7
115°	8.8	9.8	10.7	11.7	11.7	11.7	12.7	11.7	10.7	10.7	10.7
117.5°	7.8	8.8	9.8	10.7	10.7	10.7	10.7	10.7	9.8	9.8	9.8
120°	6.8	7.8	8.8	9.8	9.8	9.8	9.8	9.8	8.8	8.8	8.8
122.5°	6.8	6.8	7.8	8.8	8.8	8.8	8.8	8.8	7.8	7.8	7.8
125°	5.9	6.8	7.8	7.8	7.8	7.8	7.8	7.8	6.8	6.8	7.8
127.5°	5.9	5.9	6.8	6.8	7.8	7.8	6.8	6.8	6.8	6.8	6.8
130°	5.9	5.9	5.9	6.8	6.8	6.8	6.8	5.9	5.9	5.9	5.9
132.5°	4.9	5.9	5.9	5.9	5.9	5.9	5.9	4.9	4.9	5.9	5.9
135°	4.9	4.9	4.9	5.9	5.9	4.9	4.9	4.9	4.9	4.9	4.9
137.5°	4.9	4.9	4.9	4.9	4.9	4.9	3.9	3.9	3.9	4.9	4.9
140°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
142.5°	3.9	3.9	3.9	3.9	3.9	2.9	2.9	2.9	3.9	3.9	3.9
145°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
147.5°	2.9	2.9	2.9	2.9	2.0	2.0	2.0	2.0	2.9	2.9	2.9
150°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9	2.0	2.0
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)