

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: P414615

Luminaire Tested: **LXF.LXT-PA1-30-730-U-SL3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414615  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-730-U-SL3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2966 lumens  
Efficiency: N/A  
Efficacy: 95.7 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B0 - U0 - G1

Input Watts (W): 31  
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

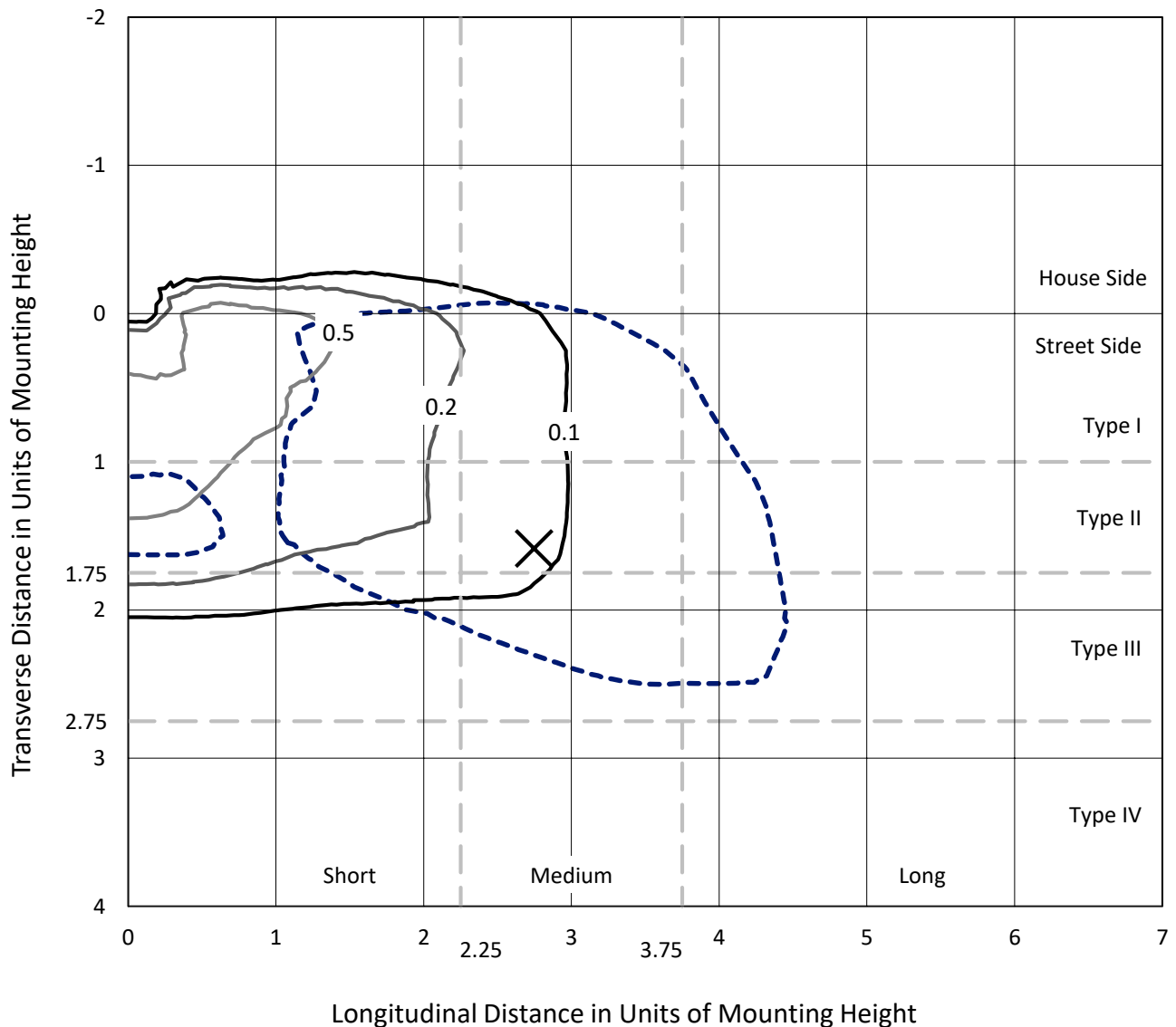


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### Iso-Footcandle Lines of Horizontal Illumination

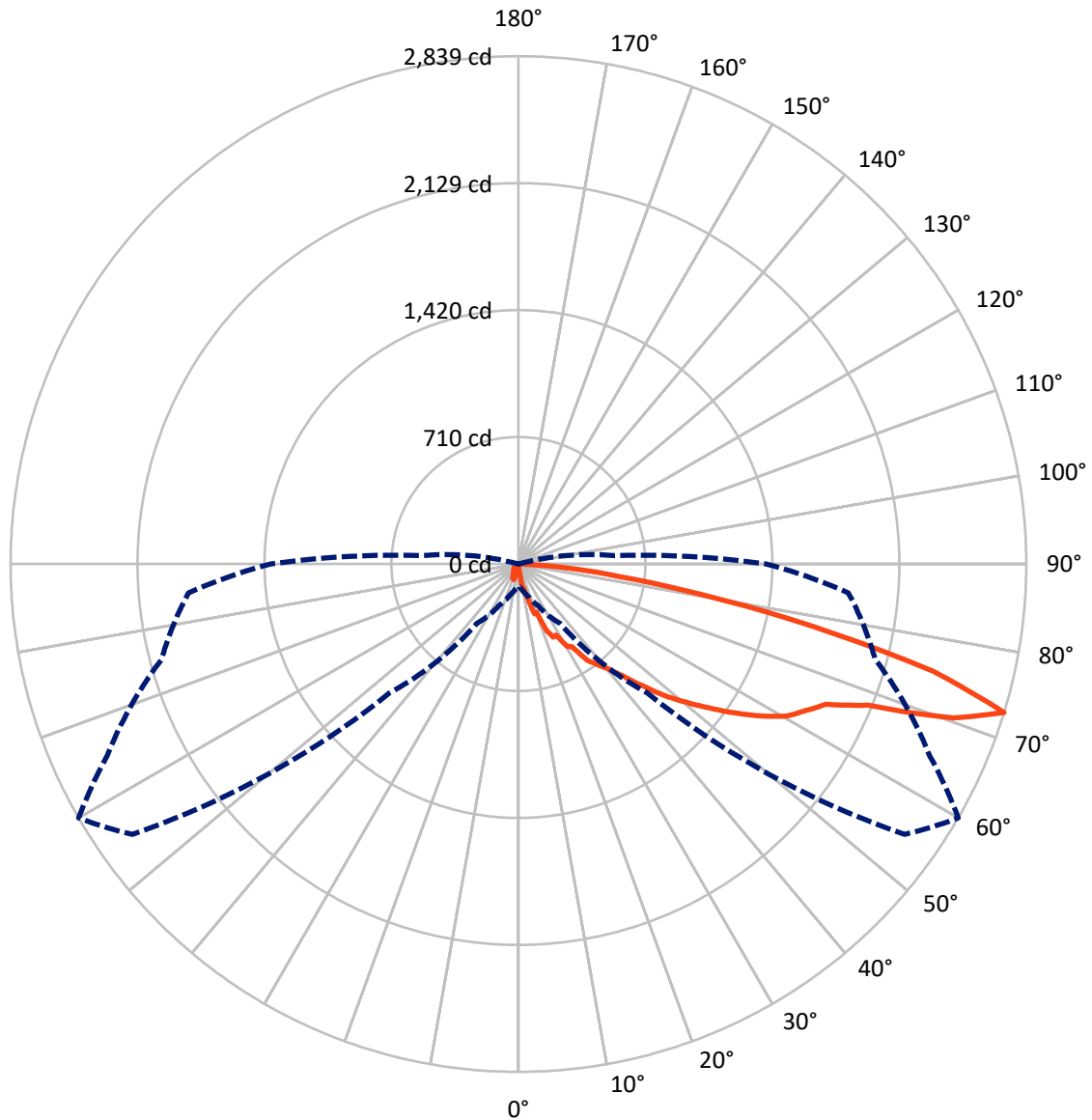
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical



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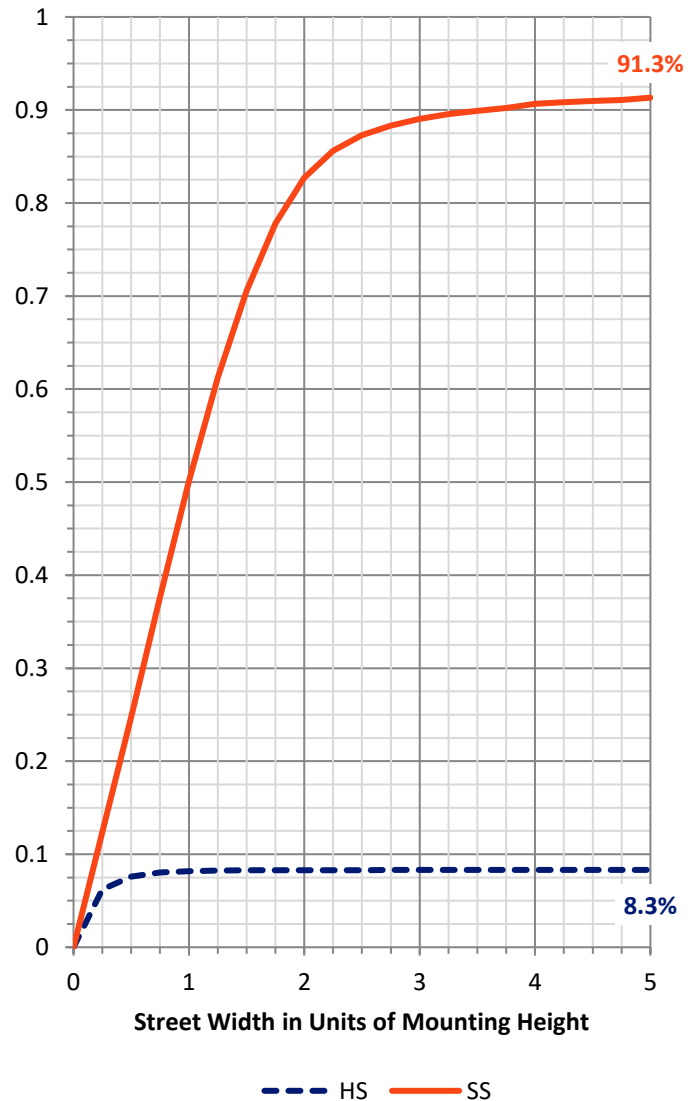
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	248.8	0.0	248.8
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	2717.2	0.0	2717.2
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	2966.0	0.0	2966.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.0	0.1
10°-20°	41.3	1.4
20°-30°	129.2	4.4
30°-40°	278.5	9.4
40°-50°	473.5	16.0
50°-60°	700.1	23.6
60°-70°	761.5	25.7
70°-80°	519.0	17.5
80°-90°	58.9	2.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2966.0	100.0
0°-180°	2966.0	100.0



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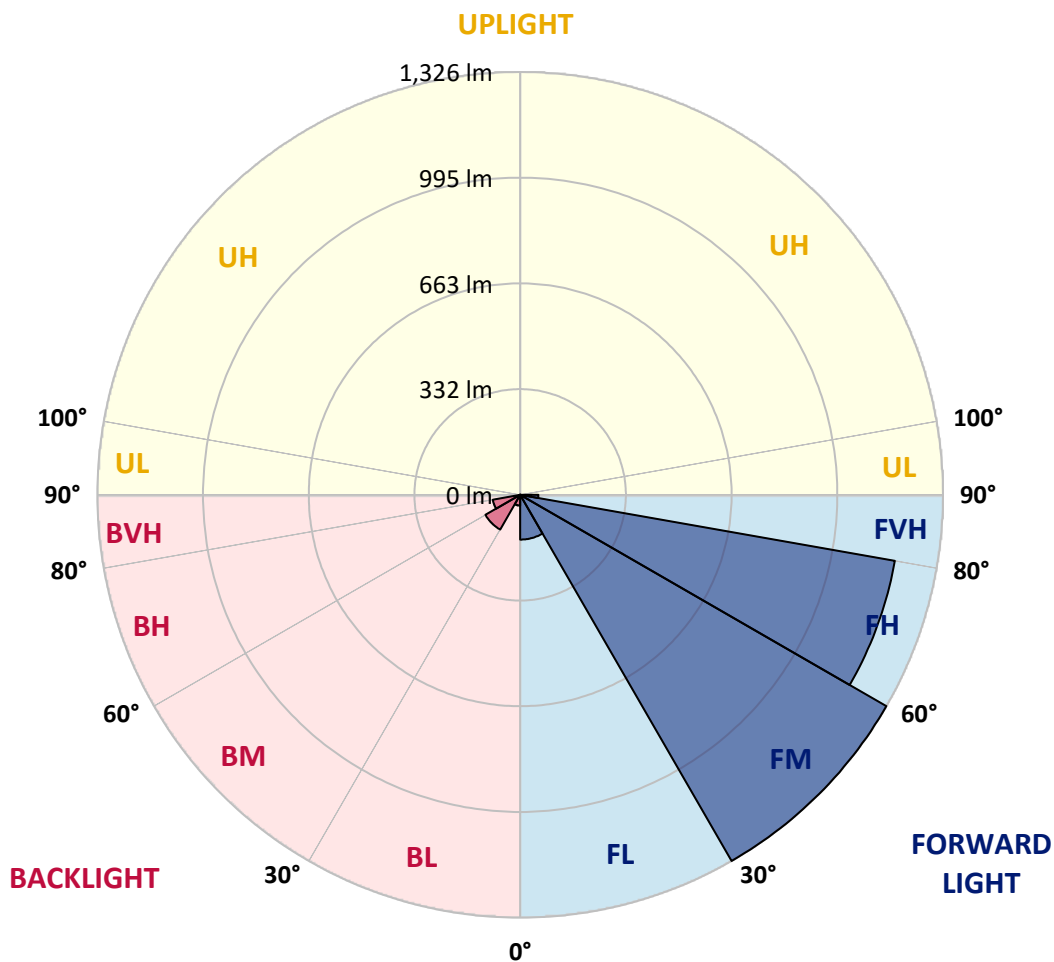
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	140.5	4.7			
FM	(30°-60°)	1326.3	44.7			
FH	(60°-80°)	1193.3	40.2			G1/1800
FVH	(80°-90°)	57.1	1.9			G1/100
BL	(0°-30°)	34.0	1.1	B0/110		
BM	(30°-60°)	125.8	4.2	B0/220		
BH	(60°-80°)	87.2	2.9	B0/110		G0/110
BVH	(80°-90°)	1.8	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	2.7	1.9	1.9	1.5	1.2	1.2	1.2	1.5	1.5	1.2	1.5
5°	151.7	149.8	149.8	150.6	97.8	16.6	9.2	3.9	1.5	1.5	1.5
7.5°	144.0	142.5	143.2	145.2	146.3	148.2	148.2	45.4	14.6	1.5	1.5
10°	147.5	146.3	140.2	139.0	141.3	143.2	144.0	147.5	143.2	4.2	1.5
12.5°	259.5	257.6	257.6	261.1	151.7	138.6	140.2	143.6	124.0	16.2	8.9
15°	248.4	246.8	247.2	251.4	257.2	182.5	144.0	213.3	273.8	247.2	196.4
17.5°	346.6	298.4	258.0	245.7	246.8	254.9	279.2	293.4	278.4	281.5	214.1
20°	353.9	351.2	349.6	352.3	252.6	336.2	355.0	288.0	280.3	301.5	395.1
22.5°	366.2	360.0	347.7	346.2	388.9	331.2	343.9	402.8	413.6	441.7	411.2
25°	496.0	491.3	478.6	364.3	398.9	380.4	433.6	453.2	446.7	465.2	445.9
27.5°	544.9	536.0	508.7	472.9	423.6	448.6	438.6	449.4	493.3	640.7	628.8
30°	763.6	740.1	664.6	544.5	503.7	467.1	510.2	532.9	569.9	655.8	644.6
32.5°	829.8	804.8	750.1	693.1	596.8	529.5	561.4	551.4	578.0	800.2	846.4
35°	1022.7	1011.2	912.6	754.3	729.7	624.6	589.5	658.5	697.7	811.3	889.5
37.5°	1025.0	1025.8	1020.0	913.0	800.2	702.0	708.5	711.2	741.6	864.5	939.5
40°	1057.8	1063.2	1077.4	996.5	901.4	814.0	796.7	769.7	796.7	924.1	1008.1
42.5°	1126.3	1130.2	1161.7	1077.4	981.5	901.4	910.3	855.2	874.9	1037.0	1101.3
45°	1246.8	1244.5	1284.2	1162.5	1056.2	1001.2	1011.2	968.8	956.9	1129.4	1210.6
47.5°	1383.1	1391.6	1390.1	1256.5	1130.5	1094.0	1122.8	1100.1	1053.1	1247.2	1338.1
50°	1512.1	1509.4	1469.4	1309.6	1196.8	1184.8	1251.4	1214.1	1171.4	1367.0	1460.9
52.5°	1559.1	1561.4	1513.7	1341.6	1253.4	1274.9	1374.7	1336.9	1281.5	1452.4	1583.0
55°	1550.6	1553.7	1526.8	1374.3	1295.7	1359.3	1502.5	1470.2	1407.8	1545.2	1674.6
57.5°	1471.3	1471.3	1493.3	1394.7	1336.9	1434.7	1616.5	1603.4	1526.4	1622.3	1729.3
60°	1268.8	1290.3	1359.3	1370.0	1385.4	1516.4	1729.3	1725.1	1631.5	1694.3	1761.7
62.5°	975.7	982.7	1135.2	1250.7	1389.3	1626.1	1824.4	1804.0	1709.3	1716.2	1784.4
65°	553.3	584.9	725.8	1017.7	1310.4	1740.9	1977.3	1889.9	1777.4	1742.4	1867.9
67.5°	298.0	309.6	388.1	616.1	1073.9	1753.6	2323.8	2107.8	1939.2	1880.3	2031.6
70°	192.5	204.9	247.2	338.5	673.5	1550.6	2650.0	2577.2	2273.0	2068.9	2056.6
72.5°	125.1	132.5	178.3	254.9	405.1	1021.6	2635.0	2839.1	2536.8	2065.5	1851.4
75°	50.8	55.8	89.3	212.2	342.3	500.6	2021.6	2393.9	2381.6	1835.6	1432.8
77.5°	25.4	27.0	39.7	114.7	303.8	346.6	1279.2	1688.5	1695.4	1338.1	796.7
80°	16.6	16.2	22.7	53.9	207.2	315.4	715.4	1037.4	970.0	507.5	223.3
82.5°	6.5	6.9	12.3	30.8	86.6	285.3	408.2	558.3	436.7	99.0	64.3
85°	1.2	1.2	3.9	16.6	27.3	130.5	263.4	270.3	179.4	31.2	32.3
87.5°	0.4	0.4	0.8	1.2	1.9	3.1	11.6	5.4	3.5	5.4	6.2
90°	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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	1.5	1.5	1.5	1.2	1.2	0.8	0.0	0.0	0.4	0.4	0.4
5°	1.5	1.5	1.5	1.2	1.2	0.4	0.0	0.0	0.4	0.4	0.4
7.5°	1.5	1.5	1.5	1.2	0.8	0.4	0.0	0.0	0.4	0.4	0.4
10°	1.5	1.5	1.5	1.2	0.8	0.4	11.2	71.2	73.5	73.9	73.2
12.5°	9.6	10.0	5.4	1.2	0.8	66.2	65.8	55.1	48.1	45.4	42.0
15°	209.1	198.7	164.4	97.0	53.5	54.3	40.0	29.6	23.9	22.3	21.6
17.5°	207.2	192.1	151.3	88.6	93.2	40.8	21.6	23.9	31.2	31.6	31.6
20°	389.3	341.5	147.9	99.0	62.8	35.4	28.1	29.6	29.6	30.0	29.6
22.5°	405.9	358.1	221.4	126.3	45.1	37.4	32.0	27.7	28.5	37.0	35.8
25°	409.3	351.2	205.2	99.0	43.5	37.4	35.0	33.9	38.1	38.1	38.5
27.5°	589.9	493.6	248.7	74.3	43.1	38.9	38.9	35.4	34.3	33.9	34.3
30°	588.8	476.7	212.2	62.8	41.6	38.5	35.0	31.6	38.1	38.5	38.5
32.5°	772.8	609.6	205.2	50.8	41.6	35.4	30.8	32.7	30.4	30.4	30.4
35°	783.6	594.1	161.7	52.8	37.0	32.3	30.0	25.4	27.0	27.3	26.6
37.5°	804.4	583.4	122.8	47.7	37.0	30.0	24.6	22.7	21.2	20.8	20.8
40°	841.7	584.1	94.7	43.9	34.7	27.3	21.9	18.5	19.3	19.3	18.9
42.5°	897.6	595.3	74.3	40.4	31.2	24.3	18.5	16.6	15.4	15.4	15.0
45°	971.5	619.2	60.8	37.7	28.5	20.8	15.0	13.5	12.3	12.3	11.9
47.5°	1063.2	652.7	53.1	35.0	25.4	17.3	12.3	10.8	10.0	9.6	9.6
50°	1161.0	692.7	48.9	32.7	21.9	13.9	10.0	8.5	7.7	7.7	7.3
52.5°	1262.2	738.5	45.4	31.2	18.9	11.6	7.7	6.2	5.8	5.4	5.8
55°	1344.2	766.3	43.1	30.8	15.8	9.2	5.8	4.6	4.2	3.9	3.9
57.5°	1398.2	781.3	40.0	28.5	12.7	6.9	4.2	3.1	2.7	2.7	2.7
60°	1440.5	789.8	36.2	22.7	10.0	5.0	2.7	1.9	1.9	1.9	1.9
62.5°	1474.0	795.5	30.4	17.7	7.7	3.5	1.9	1.2	1.2	1.2	1.2
65°	1573.4	829.4	23.5	13.5	5.8	2.3	1.2	0.8	0.4	0.8	0.8
67.5°	1694.3	843.7	17.3	9.6	4.2	1.5	0.8	0.4	0.4	0.4	0.8
70°	1646.5	735.1	12.7	6.9	3.1	1.2	0.8	0.4	0.4	0.4	0.8
72.5°	1383.5	537.2	9.2	5.0	2.3	1.2	0.8	0.4	0.4	0.8	0.8
75°	995.0	303.0	7.3	3.5	1.9	1.2	0.8	0.8	0.8	1.2	1.2
77.5°	468.2	112.8	7.3	3.1	1.9	1.2	0.8	0.8	1.2	1.5	0.8
80°	113.6	28.1	7.3	2.7	1.9	1.2	1.2	1.2	1.5	1.5	0.8
82.5°	38.1	11.9	5.4	2.3	1.9	1.2	1.2	1.5	1.5	1.9	1.2
85°	23.1	7.7	3.9	2.7	2.3	1.2	1.5	1.5	1.9	2.3	1.2
87.5°	3.9	3.1	2.7	2.7	2.3	1.5	1.5	1.9	1.9	2.3	1.5
90°	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)