

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: P695775

Luminaire Tested: **LXF.LXT-PA16-60-827-U-T3**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695775  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-60-827-U-T3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5102 lumens  
Efficiency: N/A  
Efficacy: 82.3 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

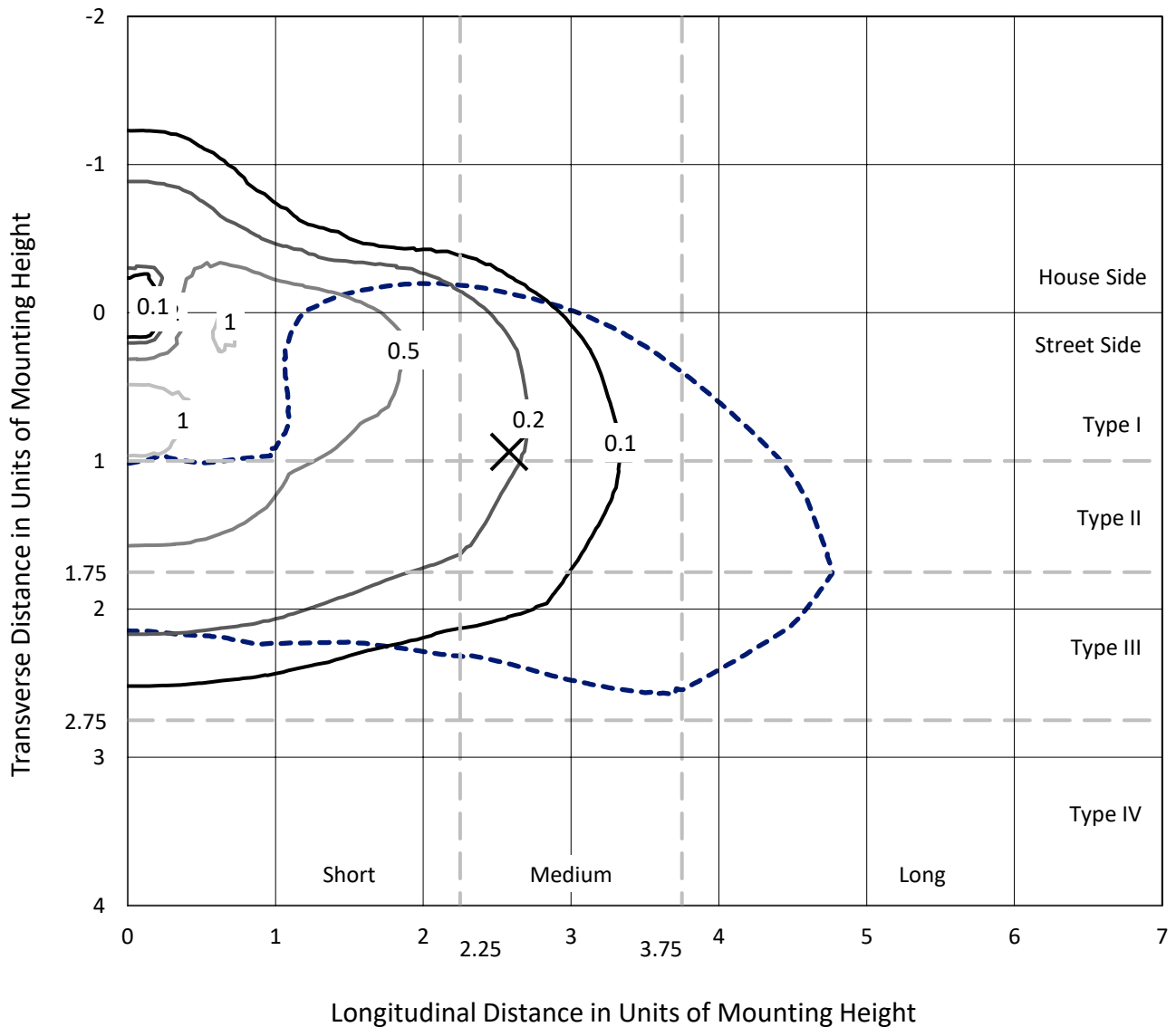
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

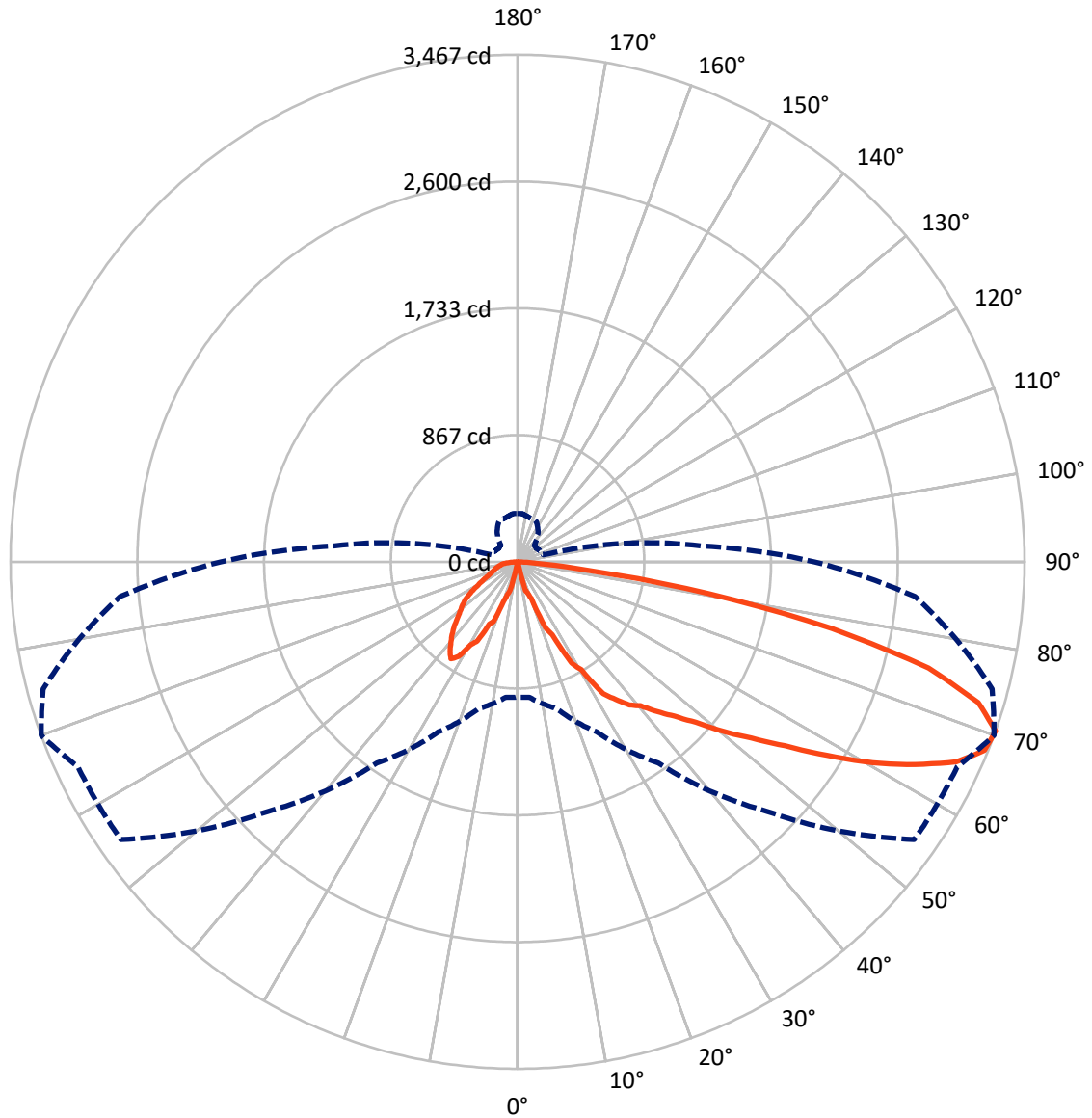
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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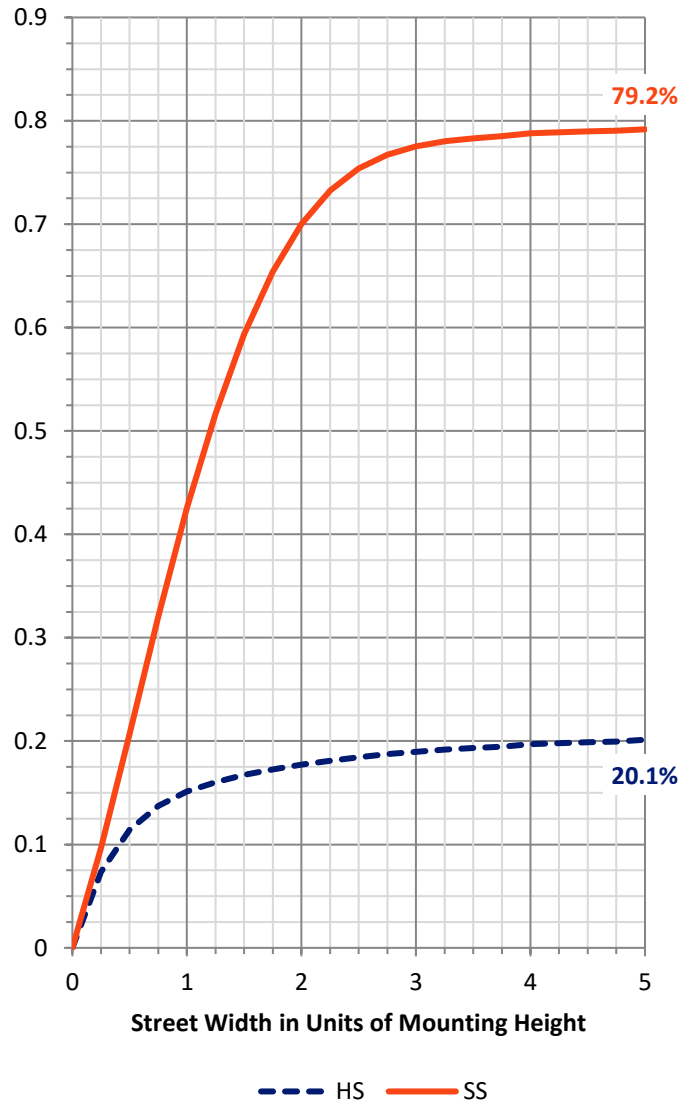
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1051.4	0.0	1051.4
	% Fixture	20.6	0.0	20.6
<b>Street Side</b>	Lumens	4050.6	0.0	4050.6
	% Fixture	79.4	0.0	79.4
<b>Total</b>	Lumens	5102.0	0.0	5102.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	43.2	0.8
20°-30°	244.1	4.8
30°-40°	542.8	10.6
40°-50°	776.3	15.2
50°-60°	1128.1	22.1
60°-70°	1415.9	27.8
70°-80°	840.9	16.5
80°-90°	110.5	2.2
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°	5102.0	100.0
0°-180°	5102.0	100.0

**Coefficient of Utilization**

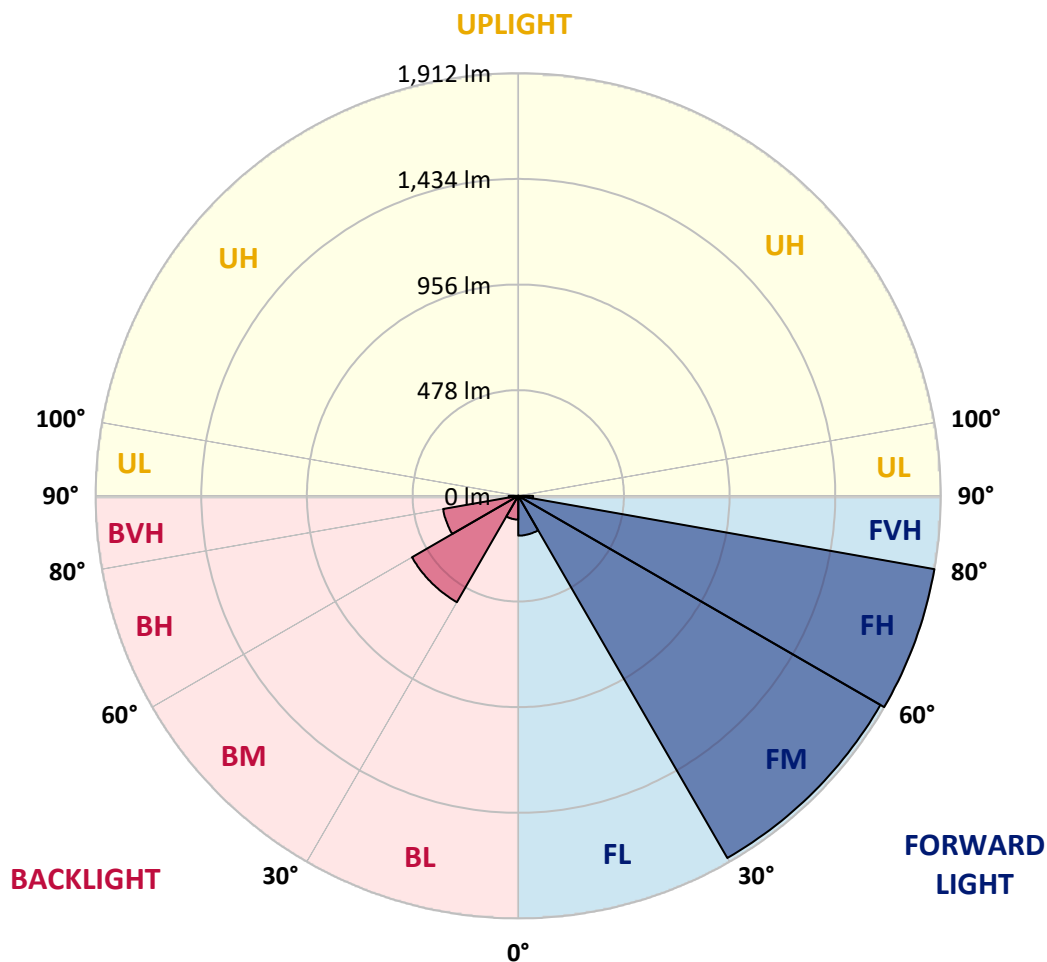


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	180.0	3.5			
FM (30°-60°)	1891.9	37.1			
FH (60°-80°)	1911.6	37.5			G2/5000
FVH (80°-90°)	67.1	1.3			G1/100
BL (0°-30°)	107.4	2.1	B0/110		
BM (30°-60°)	555.4	10.9	B1/1000		
BH (60°-80°)	345.1	6.8	B1/500		G1/500
BVH (80°-90°)	43.4	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
5°	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
7.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
10°	22.8	24.6	15.8	8.8	3.5	1.8	1.8	1.8	1.8	1.8	1.8
12.5°	203.5	203.5	201.8	129.8	40.4	8.8	3.5	10.5	19.3	21.1	31.6
15°	226.3	226.3	226.3	222.8	212.3	73.7	33.3	186.0	203.5	208.8	208.8
17.5°	298.2	303.5	275.4	247.4	235.1	205.3	198.2	222.8	226.3	229.8	231.6
20°	507.0	507.0	507.0	452.6	278.9	359.6	329.8	254.4	266.7	319.3	440.3
22.5°	564.9	563.2	550.9	533.3	571.9	400.0	375.4	443.9	489.5	505.3	498.2
25°	864.9	863.2	817.5	603.5	629.8	540.3	564.9	563.2	552.6	557.9	550.9
27.5°	938.6	935.1	931.6	849.1	696.5	729.8	656.1	733.3	782.4	819.3	796.5
30°	1319.3	1243.8	1093.0	963.2	889.5	782.4	843.9	889.5	856.1	871.9	835.1
32.5°	1394.7	1401.7	1394.7	1214.0	989.5	891.2	947.4	943.9	1075.4	1121.0	1108.8
35°	1470.2	1464.9	1454.4	1293.0	1150.9	1028.1	998.2	1156.1	1156.1	1182.4	1145.6
37.5°	1529.8	1528.1	1514.0	1336.8	1231.6	1077.2	1129.8	1240.3	1242.1	1268.4	1187.7
40°	1580.7	1582.4	1577.2	1384.2	1296.5	1129.8	1191.2	1322.8	1294.7	1333.3	1257.9
42.5°	1624.5	1629.8	1638.6	1454.4	1352.6	1182.4	1249.1	1382.4	1400.0	1445.6	1359.6
45°	1705.2	1715.8	1728.1	1564.9	1428.1	1252.6	1328.1	1501.7	1505.3	1573.7	1500.0
47.5°	1807.0	1814.0	1840.3	1684.2	1540.3	1354.4	1408.8	1589.5	1640.3	1726.3	1668.4
50°	1894.7	1908.8	1943.8	1829.8	1694.7	1503.5	1522.8	1719.3	1821.0	1898.2	1845.6
52.5°	1961.4	1973.7	2026.3	1952.6	1857.9	1663.1	1666.7	1900.0	2003.5	2110.5	2078.9
55°	2015.8	2029.8	2078.9	2068.4	2007.0	1794.7	1864.9	2073.7	2219.3	2345.6	2310.5
57.5°	2024.5	2022.8	2115.8	2147.4	2110.5	1968.4	2115.8	2263.1	2496.5	2596.5	2598.2
60°	1984.2	1993.0	2103.5	2200.0	2203.5	2147.4	2389.5	2515.8	2789.5	2856.1	2877.2
62.5°	1898.2	1917.5	2040.3	2200.0	2278.9	2326.3	2656.1	2800.0	3052.6	3087.7	3064.9
65°	1735.1	1742.1	1863.1	2098.2	2285.9	2489.5	2931.6	3047.3	3296.5	3261.4	3107.0
67.5°	1401.7	1422.8	1535.1	1807.0	2119.3	2561.4	3182.4	3233.3	3442.1	3368.4	3003.5
70°	924.6	929.8	1040.3	1282.4	1678.9	2412.3	3310.5	3315.8	3466.6	3357.9	2728.0
72.5°	401.8	370.2	475.4	670.2	1029.8	1880.7	3154.4	3229.8	3293.0	3159.6	2259.6
75°	173.7	177.2	205.3	277.2	477.2	1063.1	2624.5	2815.8	2901.7	2691.2	1647.4
77.5°	129.8	129.8	149.1	168.4	222.8	401.8	1710.5	2096.5	2198.2	1949.1	1024.6
80°	94.7	98.2	112.3	122.8	143.9	163.2	852.6	1270.2	1335.1	1015.8	450.9
82.5°	71.9	71.9	80.7	87.7	98.2	98.2	289.5	545.6	494.7	345.6	156.1
85°	31.6	26.3	42.1	40.4	43.9	35.1	77.2	100.0	100.0	78.9	35.1
87.5°	0.0	1.8	1.8	1.8	3.5	3.5	7.0	5.3	7.0	7.0	5.3
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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8
5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8
7.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	1.8	1.8	1.8	1.8
10°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	1.8	1.8	1.8	1.8
12.5°	28.1	33.3	21.1	10.5	1.8	0.0	0.0	1.8	1.8	3.5	3.5
15°	212.3	210.5	210.5	193.0	33.3	5.3	3.5	17.5	59.6	126.3	124.6
17.5°	231.6	231.6	231.6	222.8	201.8	56.1	56.1	186.0	201.8	203.5	205.3
20°	438.6	433.3	335.1	240.3	212.3	201.8	184.2	203.5	207.0	208.8	212.3
22.5°	493.0	487.7	464.9	417.5	238.6	293.0	264.9	217.5	324.6	340.3	343.9
25°	547.4	533.3	498.2	436.8	400.0	296.5	310.5	310.5	324.6	322.8	324.6
27.5°	780.7	764.9	717.5	496.5	433.3	347.4	343.9	303.5	326.3	371.9	375.4
30°	817.5	798.2	733.3	571.9	456.1	378.9	321.1	361.4	378.9	373.7	375.4
32.5°	1078.9	1056.1	952.6	575.4	459.6	349.1	356.1	361.4	368.4	401.8	405.3
35°	1112.3	1091.2	950.9	659.6	424.6	347.4	343.9	368.4	408.8	414.0	415.8
37.5°	1159.6	1138.6	931.6	601.7	422.8	343.9	335.1	363.2	377.2	371.9	368.4
40°	1228.1	1196.5	894.7	538.6	384.2	326.3	326.3	333.3	343.9	324.6	319.3
42.5°	1329.8	1264.9	854.4	482.5	352.6	303.5	303.5	305.3	298.2	280.7	280.7
45°	1440.3	1322.8	801.7	431.6	321.1	278.9	280.7	268.4	275.4	261.4	261.4
47.5°	1570.2	1393.0	736.8	382.5	293.0	256.1	252.6	254.4	263.2	252.6	252.6
50°	1719.3	1477.2	687.7	338.6	268.4	233.3	242.1	247.4	257.9	249.1	247.4
52.5°	1896.5	1566.7	649.1	303.5	247.4	214.0	235.1	242.1	254.4	249.1	247.4
55°	2103.5	1678.9	587.7	275.4	228.1	203.5	229.8	242.1	256.1	252.6	250.9
57.5°	2296.5	1775.4	501.8	247.4	214.0	196.5	228.1	242.1	259.6	256.1	254.4
60°	2470.2	1866.7	396.5	226.3	201.8	187.7	222.8	242.1	261.4	263.2	261.4
62.5°	2557.9	1871.9	321.1	210.5	189.5	178.9	217.5	240.3	259.6	270.2	270.2
65°	2515.8	1766.7	256.1	194.7	178.9	168.4	212.3	245.6	275.4	293.0	293.0
67.5°	2343.8	1554.4	212.3	182.5	166.7	159.6	219.3	277.2	305.3	322.8	322.8
70°	2029.8	1256.1	182.5	171.9	157.9	163.2	243.9	303.5	312.3	331.6	329.8
72.5°	1610.5	938.6	163.2	161.4	152.6	171.9	259.6	293.0	293.0	300.0	293.0
75°	1133.3	596.5	147.4	150.9	140.3	157.9	245.6	273.7	261.4	257.9	256.1
77.5°	645.6	322.8	129.8	136.8	126.3	136.8	214.0	243.9	231.6	222.8	219.3
80°	277.2	164.9	112.3	122.8	110.5	115.8	178.9	210.5	201.8	191.2	187.7
82.5°	110.5	86.0	94.7	108.8	93.0	98.2	152.6	178.9	171.9	161.4	150.9
85°	31.6	33.3	57.9	77.2	70.2	77.2	122.8	142.1	131.6	103.5	100.0
87.5°	3.5	5.3	12.3	15.8	17.5	14.0	28.1	38.6	35.1	26.3	21.1
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)