

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: P695765

Luminaire Tested: **LXF.LXT-PA16-60-827-U-T2R**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695765  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-6)  
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-T2R  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5021 lumens  
Efficiency: N/A  
Efficacy: 81.0 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

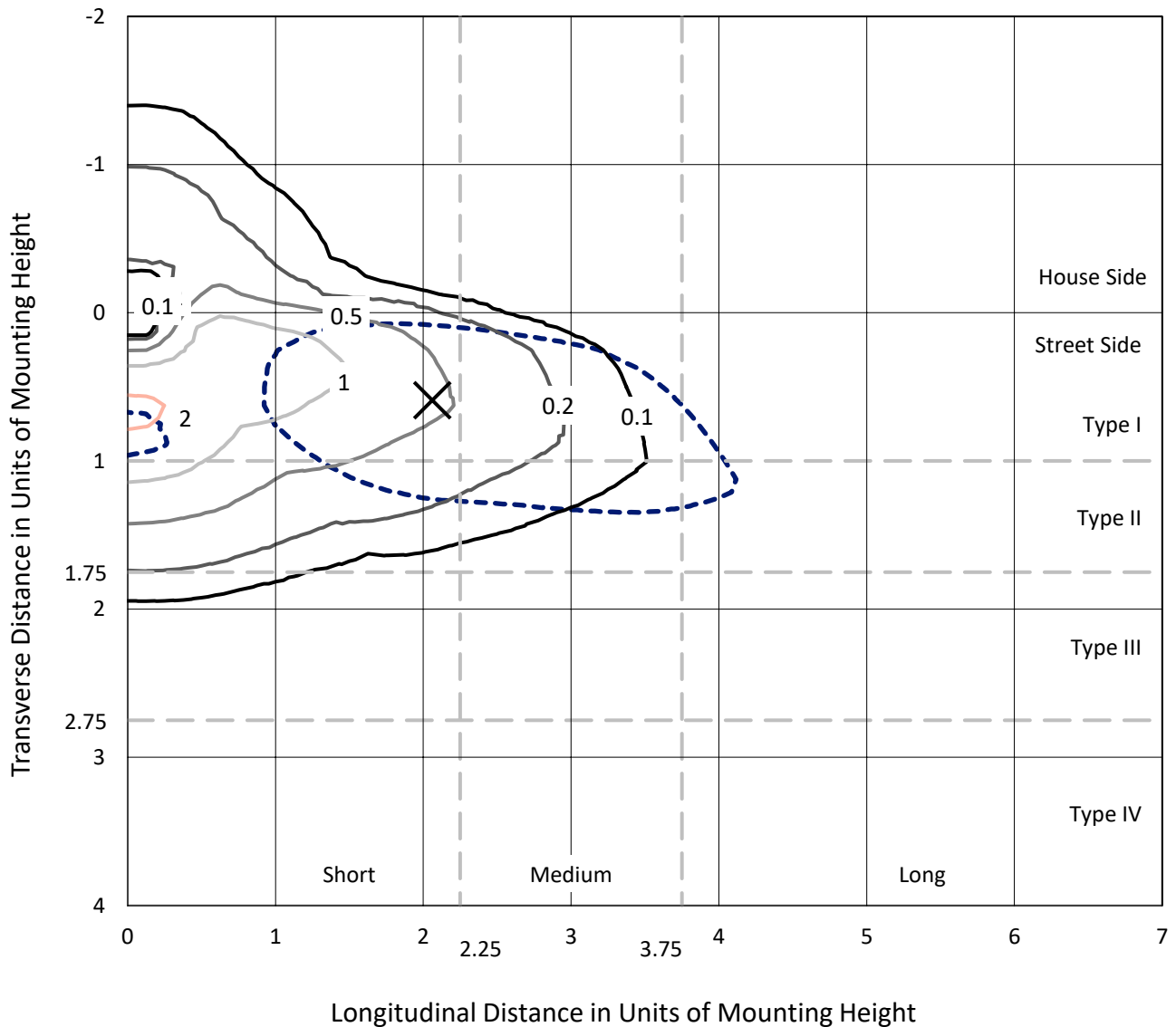
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

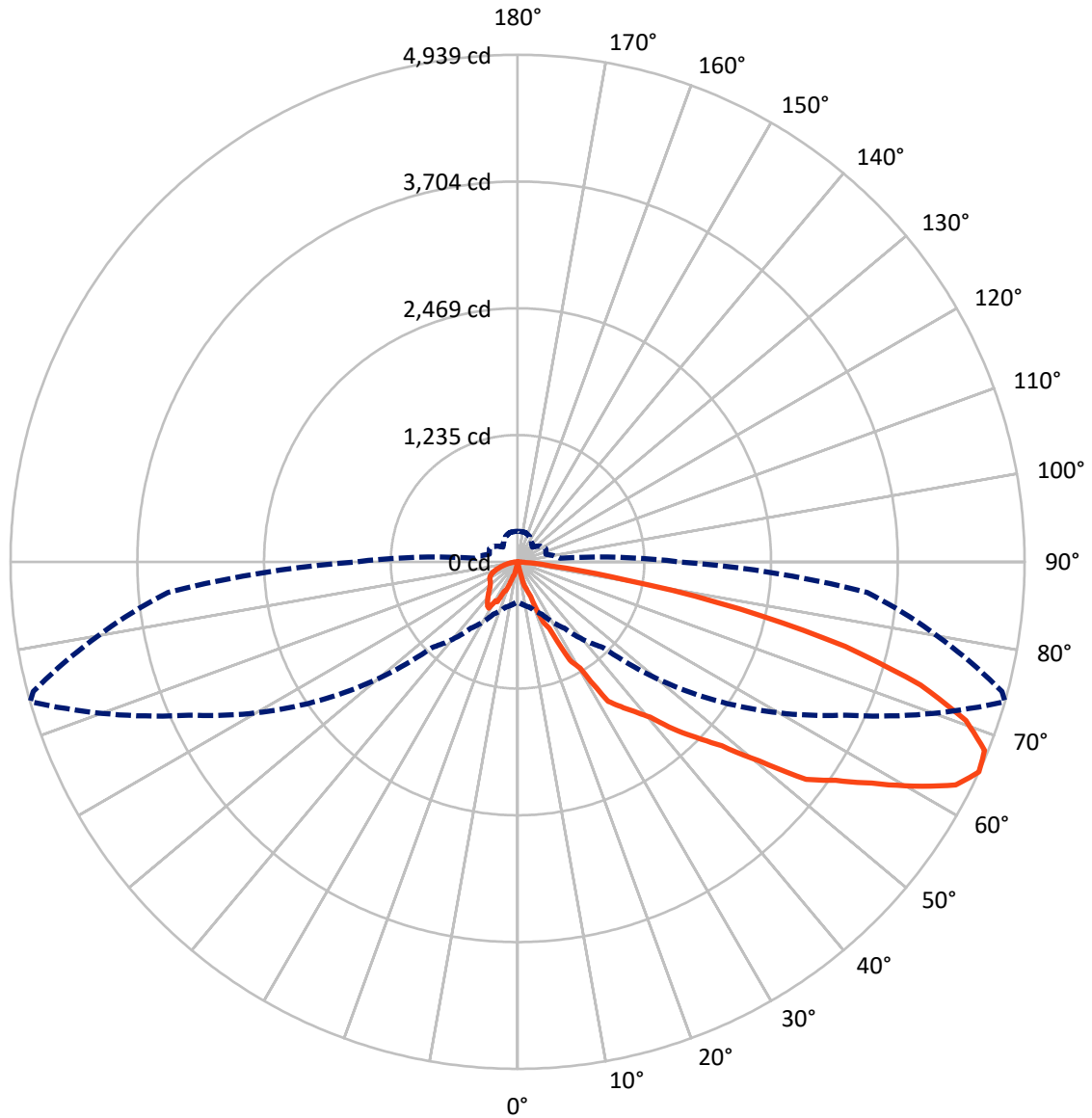
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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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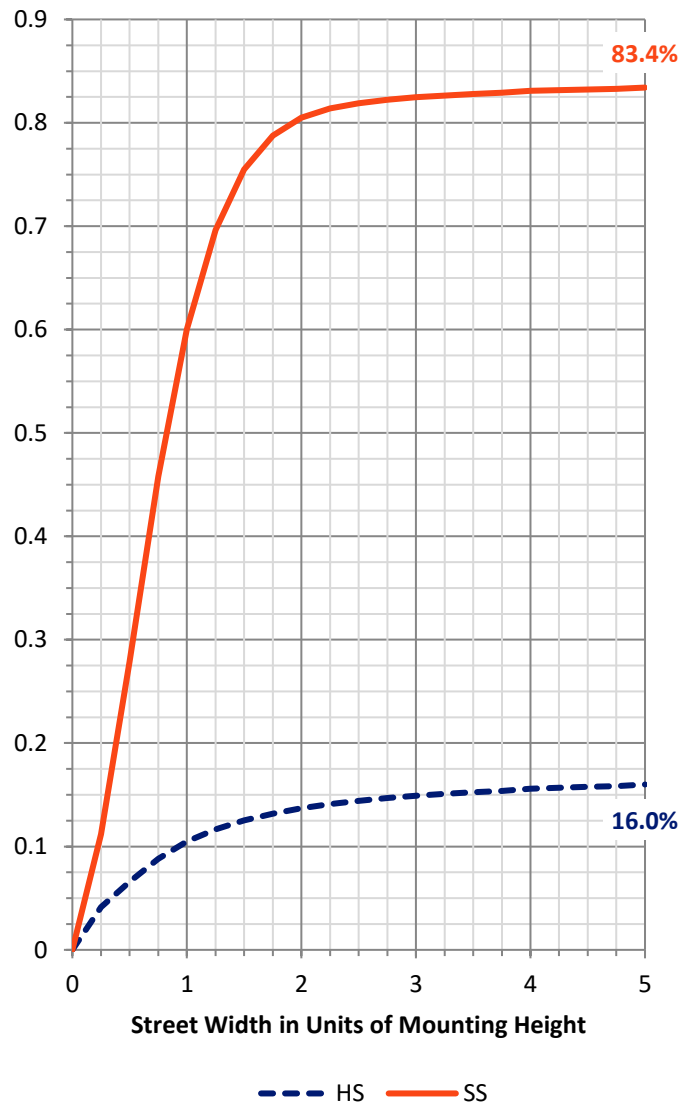
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	822.8	0.0	822.8
	% Fixture	16.4	0.0	16.4
<b>Street Side</b>	Lumens	4198.3	0.0	4198.3
	% Fixture	83.6	0.0	83.6
<b>Total</b>	Lumens	5021.0	0.0	5021.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	49.1	1.0
20°-30°	296.1	5.9
30°-40°	716.9	14.3
40°-50°	1004.8	20.0
50°-60°	1187.1	23.6
60°-70°	1088.7	21.7
70°-80°	589.8	11.7
80°-90°	88.4	1.8
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°	5021.0	100.0
0°-180°	5021.0	100.0

**Coefficient of Utilization**



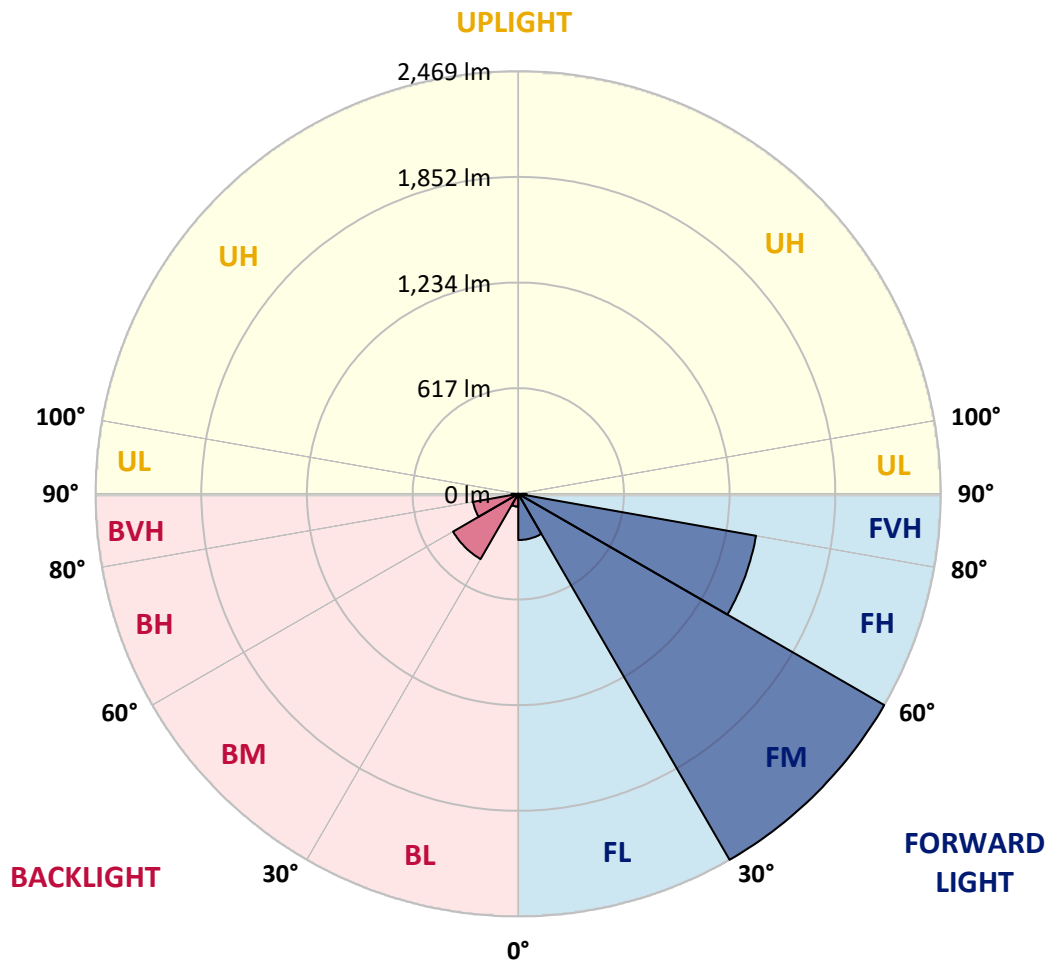
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	270.1	5.4			
FM (30°-60°)	2468.8	49.2			
FH (60°-80°)	1410.5	28.1			G1/1800
FVH (80°-90°)	48.9	1.0			G1/100
BL (0°-30°)	75.3	1.5	B0/110		
BM (30°-60°)	440.0	8.8	B1/1000		
BH (60°-80°)	267.9	5.3	B1/500		G1/500
BVH (80°-90°)	39.5	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	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	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
5°	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
7.5°	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
10°	24.6	22.8	17.5	10.5	5.3	1.8	1.8	1.8	1.8	1.8	1.8
12.5°	301.8	301.8	298.3	273.7	35.1	12.3	3.5	8.8	17.5	21.1	22.8
15°	342.1	338.6	338.6	335.1	326.3	75.4	33.3	263.2	240.4	233.3	179.0
17.5°	528.1	596.5	405.3	377.2	366.7	301.8	287.7	310.5	275.4	270.2	207.0
20°	803.5	803.5	798.3	789.5	426.3	587.7	552.6	356.1	361.4	435.1	412.3
22.5°	898.3	894.8	877.2	864.9	929.8	636.9	600.0	654.4	638.6	633.3	484.2
25°	1442.1	1426.4	1401.8	986.0	1017.6	894.8	891.2	836.9	715.8	703.5	556.2
27.5°	1577.2	1564.9	1543.9	1407.1	1163.2	1175.5	933.4	1003.5	1084.2	1091.3	835.1
30°	2249.2	2229.9	1987.8	1559.7	1473.7	1280.7	1303.5	1272.0	1200.0	1172.0	901.8
32.5°	2401.8	2391.3	2345.7	2035.1	1601.8	1517.6	1459.7	1403.5	1619.3	1582.5	1268.5
35°	2522.9	2503.6	2458.0	2112.3	1957.9	1763.2	1594.8	1765.0	1733.4	1698.3	1336.9
37.5°	2589.5	2568.5	2522.9	2198.3	2052.7	1850.9	1891.3	1872.0	1850.9	1836.9	1410.6
40°	2577.3	2559.7	2531.6	2254.4	2110.6	1905.3	2035.1	2005.3	1987.8	2061.5	1501.8
42.5°	2519.4	2501.8	2482.5	2282.5	2143.9	1945.7	2156.2	2196.5	2229.9	2215.8	1603.5
45°	2400.1	2384.3	2384.3	2254.4	2126.4	1979.0	2261.5	2393.0	2440.4	2387.8	1735.1
47.5°	2275.5	2263.2	2265.0	2177.2	2093.0	2010.6	2391.3	2552.7	2677.3	2614.1	1924.6
50°	2103.6	2098.3	2124.6	2103.6	2052.7	2014.1	2533.4	2817.6	3049.2	3028.1	2212.3
52.5°	1850.9	1854.4	1928.1	1975.5	1972.0	1989.5	2600.1	3072.0	3519.4	3463.2	2433.4
55°	1633.4	1621.1	1680.7	1789.5	1826.4	1947.4	2636.9	3140.4	3759.7	3705.4	2621.1
57.5°	1359.7	1361.4	1428.1	1540.4	1640.4	1849.2	2668.5	3265.0	4068.5	4005.4	2882.5
60°	1017.6	1052.7	1126.3	1240.4	1386.0	1686.0	2663.2	3435.2	4438.7	4398.4	3182.5
62.5°	664.9	677.2	780.7	893.0	1117.6	1475.5	2572.0	3558.0	4789.6	4715.9	3380.8
65°	387.7	410.5	457.9	564.9	787.7	1180.7	2352.7	3533.4	4938.7	4884.3	3417.6
67.5°	261.4	264.9	287.7	349.1	493.0	849.1	1986.0	3301.8	4905.4	4856.3	3315.9
70°	219.3	221.1	228.1	235.1	284.2	549.1	1440.4	2840.4	4631.7	4594.8	3068.5
72.5°	196.5	198.3	201.8	196.5	200.0	317.6	945.6	2356.2	4103.6	4058.0	2658.0
75°	179.0	179.0	179.0	175.4	170.2	194.7	526.3	1808.8	3298.3	3201.8	2021.1
77.5°	156.1	156.1	154.4	154.4	152.6	145.6	257.9	1277.2	2217.6	2122.9	1193.0
80°	128.1	128.1	128.1	129.8	128.1	108.8	138.6	768.4	1073.7	1052.7	461.4
82.5°	77.2	78.9	89.5	103.5	101.8	77.2	93.0	354.4	326.3	307.0	143.9
85°	10.5	8.8	24.6	35.1	42.1	28.1	38.6	80.7	75.4	78.9	35.1
87.5°	0.0	0.0	0.0	1.8	1.8	3.5	5.3	5.3	5.3	5.3	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	0.0	0.0	0.0	1.8	1.8	0.0
5°	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	28.1	26.3	17.5	7.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
15°	159.7	145.6	133.3	112.3	22.8	3.5	1.8	12.3	28.1	63.2	64.9
17.5°	182.5	164.9	149.1	138.6	124.6	36.8	26.3	128.1	135.1	135.1	135.1
20°	352.6	312.3	215.8	156.1	135.1	112.3	122.8	138.6	143.9	145.6	145.6
22.5°	405.3	350.9	303.5	266.7	156.1	193.0	180.7	150.9	236.8	243.9	245.6
25°	461.4	396.5	321.1	279.0	264.9	198.3	207.0	233.3	250.9	250.9	250.9
27.5°	677.2	554.4	447.4	321.1	284.2	242.1	254.4	240.4	259.7	317.6	328.1
30°	724.6	579.0	445.6	357.9	301.8	282.5	254.4	314.0	336.9	336.9	335.1
32.5°	989.5	757.9	550.9	356.1	326.3	279.0	305.3	324.6	340.4	363.2	371.9
35°	1029.8	756.2	529.8	410.5	321.1	293.0	310.5	345.6	403.5	412.3	407.0
37.5°	1061.4	742.1	498.3	391.2	345.6	305.3	319.3	379.0	405.3	401.8	394.7
40°	1098.3	722.8	463.2	377.2	333.3	305.3	340.4	377.2	387.7	371.9	368.4
42.5°	1143.9	698.3	431.6	359.7	321.1	303.5	336.9	356.1	356.1	352.6	349.1
45°	1207.0	675.5	401.8	340.4	315.8	296.5	328.1	328.1	349.1	345.6	343.9
47.5°	1317.6	652.6	375.4	324.6	308.8	287.7	305.3	317.6	342.1	340.4	338.6
50°	1436.9	628.1	354.4	314.0	301.8	277.2	279.0	307.0	335.1	333.3	331.6
52.5°	1512.3	584.2	338.6	310.5	294.7	266.7	270.2	298.3	329.8	326.3	322.8
55°	1568.5	545.6	328.1	308.8	287.7	242.1	263.2	291.2	322.8	317.6	314.0
57.5°	1645.7	514.0	321.1	312.3	282.5	224.6	254.4	284.2	315.8	310.5	310.5
60°	1721.1	487.7	314.0	314.0	280.7	215.8	247.4	279.0	308.8	307.0	307.0
62.5°	1719.3	456.2	301.8	312.3	279.0	208.8	242.1	273.7	301.8	303.5	301.8
65°	1570.2	415.8	284.2	301.8	266.7	203.5	235.1	273.7	294.7	296.5	296.5
67.5°	1380.7	364.9	256.1	284.2	245.6	200.0	229.8	268.4	282.5	291.2	291.2
70°	1164.9	300.0	221.1	259.7	224.6	196.5	229.8	259.7	268.4	286.0	284.2
72.5°	954.4	236.8	184.2	226.3	201.8	193.0	231.6	247.4	250.9	273.7	266.7
75°	726.3	179.0	147.4	184.2	173.7	189.5	228.1	229.8	228.1	235.1	224.6
77.5°	471.9	135.1	119.3	140.4	143.9	180.7	221.1	208.8	198.3	193.0	187.7
80°	215.8	96.5	91.2	108.8	107.0	166.7	208.8	186.0	170.2	161.4	154.4
82.5°	87.7	63.2	63.2	78.9	73.7	145.6	187.7	159.7	140.4	133.3	129.8
85°	24.6	26.3	28.1	42.1	43.9	112.3	150.9	124.6	101.8	150.9	138.6
87.5°	3.5	3.5	3.5	5.3	5.3	7.0	21.1	28.1	36.8	15.8	14.0
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)