

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: P695580

Luminaire Tested: **LXF.LXT-PA16-60-727-U-SL3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-26)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-60-727-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5428 lumens
Efficiency: N/A
Efficacy: 87.5 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

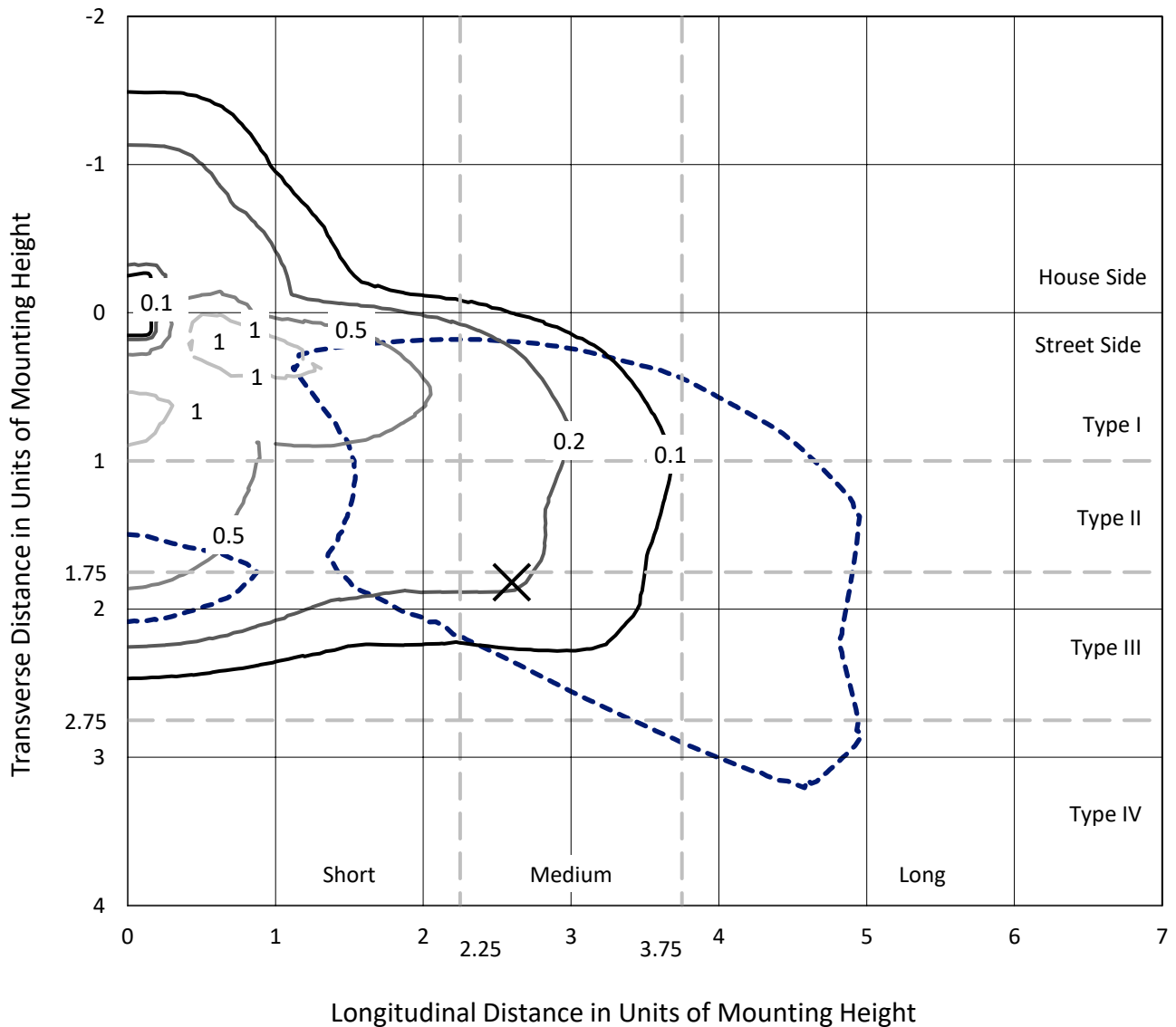
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

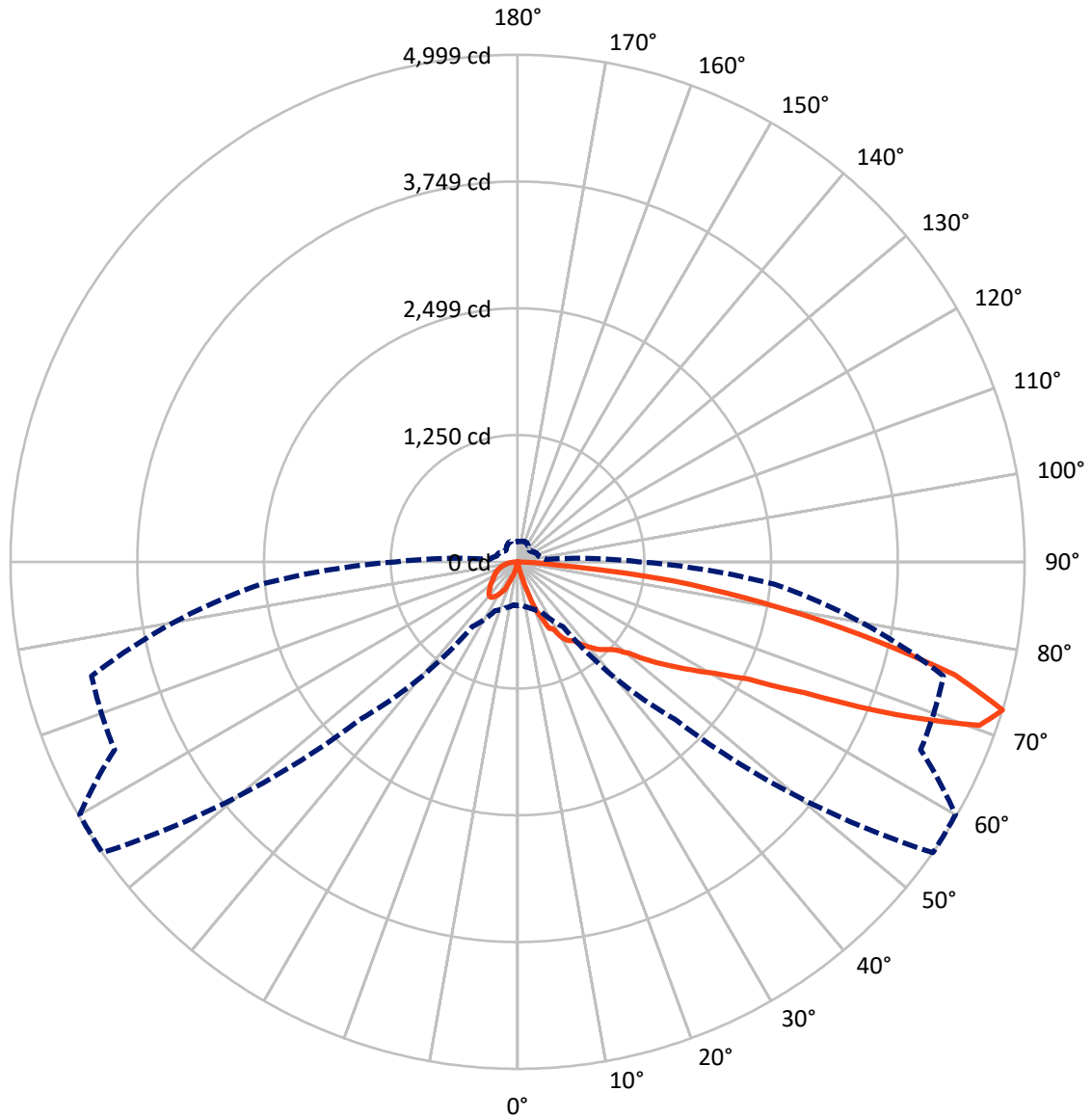
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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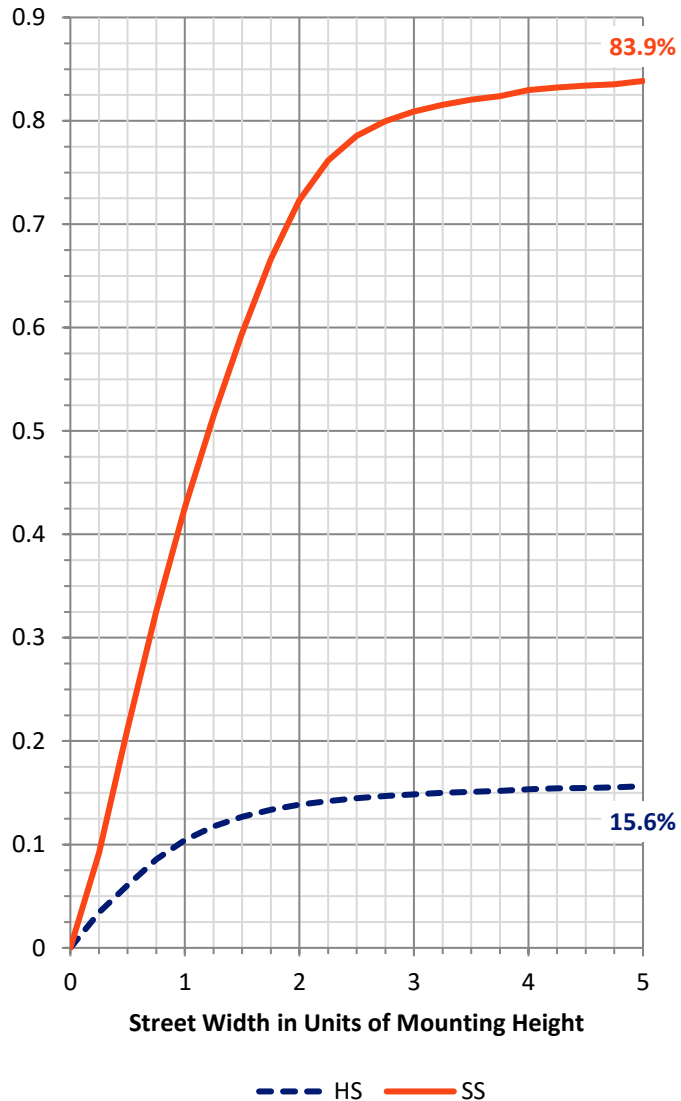
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	862.3	0.0	862.3
	% Fixture	15.9	0.0	15.9
Street Side	Lumens	4565.7	0.0	4565.7
	% Fixture	84.1	0.0	84.1
Total	Lumens	5428.0	0.0	5428.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	52.4	1.0
20°-30°	245.7	4.5
30°-40°	523.2	9.6
40°-50°	761.9	14.0
50°-60°	1110.1	20.5
60°-70°	1473.3	27.1
70°-80°	1084.7	20.0
80°-90°	176.5	3.3
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°	5428.0	100.0
0°-180°	5428.0	100.0

Coefficient of Utilization

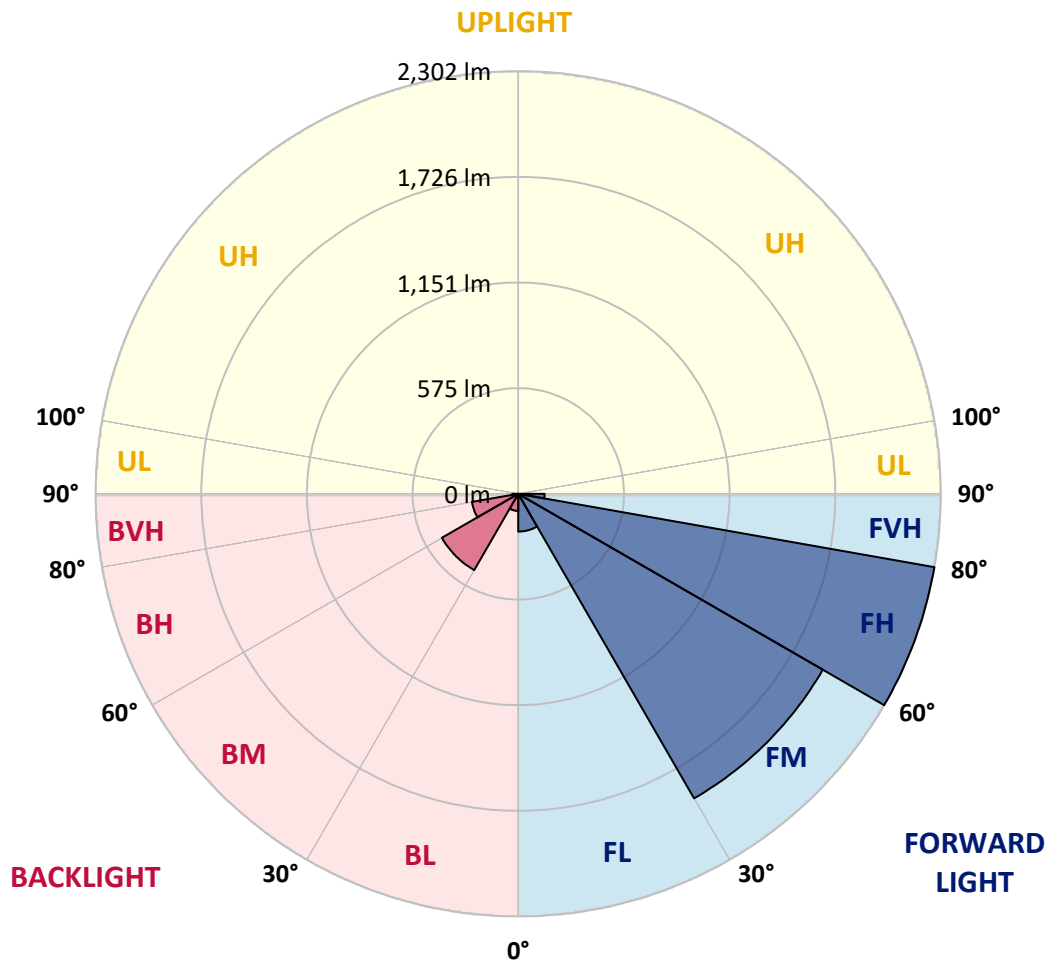


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	205.4	3.8			
FM (30°-60°)	1915.3	35.3			
FH (60°-80°)	2301.7	42.4			G2/5000
FVH (80°-90°)	143.3	2.6			G2/225
BL (0°-30°)	93.0	1.7	B0/110		
BM (30°-60°)	479.9	8.8	B1/1000		
BH (60°-80°)	256.3	4.7	B1/500		G1/500
BVH (80°-90°)	33.2	0.6			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°	60°	65°	75°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
5°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7.5°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
10°	39.1	41.1	33.3	15.7	5.9	2.0	2.0	2.0	3.9	3.9	5.9
12.5°	311.1	315.0	309.1	125.2	58.7	11.7	7.8	13.7	21.5	33.3	131.1
15°	309.1	309.1	315.0	324.8	324.8	68.5	137.0	178.0	248.5	322.8	318.9
17.5°	326.7	324.8	316.9	313.0	334.6	381.5	289.6	348.3	354.1	365.9	358.0
20°	475.4	475.4	475.4	451.9	338.5	469.6	489.1	395.2	399.1	557.6	541.9
22.5°	520.4	518.5	502.8	491.1	510.6	465.6	590.9	678.9	669.1	759.1	712.2
25°	741.5	720.0	682.8	541.9	565.4	545.9	729.8	837.4	757.2	825.6	894.1
27.5°	864.8	849.1	815.9	737.6	602.6	661.3	747.4	880.4	1029.1	1179.8	1060.4
30°	1158.2	1142.6	978.2	856.9	747.4	680.9	870.6	1044.8	1211.1	1236.5	1105.4
32.5°	1201.3	1203.2	1211.1	1095.6	878.5	753.2	927.4	1080.0	1295.2	1553.4	1373.4
35°	1228.7	1226.7	1226.7	1136.7	1046.7	890.2	954.8	1215.0	1488.9	1647.4	1359.8
37.5°	1310.8	1305.0	1295.2	1158.2	1107.4	988.0	1040.8	1250.2	1596.5	1794.1	1346.1
40°	1410.6	1416.5	1391.1	1216.9	1148.5	1062.4	1109.3	1265.8	1723.7	1913.4	1340.2
42.5°	1551.5	1543.7	1500.6	1314.8	1209.1	1095.6	1183.7	1306.9	1817.6	2073.9	1351.9
45°	1710.0	1690.4	1629.7	1449.8	1299.1	1115.2	1232.6	1381.3	1901.7	2255.8	1393.0
47.5°	1874.3	1848.9	1762.8	1559.3	1393.0	1152.4	1295.2	1477.1	1997.6	2486.7	1469.3
50°	2030.8	2013.2	1903.7	1674.7	1490.8	1220.8	1414.5	1621.9	2128.6	2717.6	1598.4
52.5°	2187.3	2158.0	2023.0	1792.1	1584.7	1306.9	1610.2	1835.2	2304.7	2950.4	1739.3
55°	2355.6	2316.5	2142.3	1907.6	1663.0	1422.4	1800.0	2056.3	2514.1	3230.1	1913.4
57.5°	2635.4	2608.0	2359.5	2079.7	1774.5	1563.2	2005.4	2277.3	2739.1	3486.4	2087.6
60°	2952.3	2903.4	2658.9	2379.1	2007.3	1782.4	2232.3	2523.9	2954.3	3733.0	2281.3
62.5°	2940.6	2891.7	2719.5	2559.1	2306.7	2148.2	2543.4	2778.2	3138.2	3965.8	2453.4
65°	2336.0	2343.9	2338.0	2365.4	2390.8	2662.8	3108.8	3151.9	3427.8	4183.0	2617.8
67.5°	1271.7	1260.0	1404.8	1688.4	2081.7	2989.5	4024.5	3754.5	3785.8	4386.4	2731.2
70°	606.5	606.5	690.6	939.1	1492.8	2788.0	4830.5	4517.5	4171.2	4474.5	2717.6
72.5°	432.4	426.5	471.5	534.1	780.6	2199.1	4998.8	4985.1	4384.5	4347.3	2537.6
75°	350.2	354.1	371.7	405.0	369.8	1293.2	4451.0	4701.4	4184.9	3946.2	2244.1
77.5°	283.7	283.7	305.2	320.9	236.7	628.0	3455.1	3779.9	3318.2	3218.4	1649.3
80°	211.3	211.3	223.0	256.3	174.1	266.1	2445.6	2545.4	2189.3	1985.8	810.0
82.5°	129.1	121.3	137.0	180.0	125.2	152.6	1535.8	1385.2	1099.5	616.3	240.6
85°	23.5	27.4	39.1	62.6	47.0	56.7	356.1	260.2	219.1	105.6	54.8
87.5°	0.0	0.0	0.0	2.0	3.9	5.9	7.8	9.8	9.8	7.8	5.9
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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	2.0	2.0	2.0	2.0
7.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	2.0	2.0	2.0
10°	5.9	5.9	3.9	2.0	2.0	0.0	0.0	0.0	2.0	2.0	2.0
12.5°	137.0	140.9	35.2	19.6	5.9	2.0	0.0	2.0	3.9	7.8	9.8
15°	309.1	291.5	225.0	115.4	66.5	7.8	3.9	33.3	90.0	97.8	103.7
17.5°	340.4	316.9	234.8	164.3	129.1	62.6	78.3	125.2	140.9	148.7	148.7
20°	504.8	444.1	287.6	191.7	152.6	166.3	137.0	148.7	164.3	178.0	185.9
22.5°	647.6	541.9	332.6	273.9	207.4	213.3	187.8	215.2	264.1	283.7	285.6
25°	780.6	604.6	350.2	305.2	297.4	242.6	266.1	268.0	291.5	303.3	305.2
27.5°	882.4	635.9	418.7	352.2	328.7	297.4	303.3	299.3	371.7	395.2	399.1
30°	894.1	610.4	438.3	399.1	361.9	344.3	326.7	387.4	416.7	426.5	426.5
32.5°	991.9	630.0	481.3	430.4	397.2	360.0	391.3	410.9	444.1	504.8	506.7
35°	888.2	561.5	498.9	467.6	422.6	391.3	408.9	461.7	526.3	540.0	538.0
37.5°	782.6	510.6	475.4	465.6	438.3	410.9	430.4	481.3	516.5	504.8	504.8
40°	696.5	475.4	457.8	450.0	436.3	401.1	440.2	459.8	498.9	487.2	485.2
42.5°	635.9	450.0	440.2	430.4	420.6	387.4	412.8	455.9	491.1	477.4	473.5
45°	616.3	434.3	428.5	414.8	397.2	367.8	395.2	450.0	483.3	469.6	465.6
47.5°	639.8	420.6	412.8	395.2	371.7	342.4	385.4	440.2	465.6	442.2	440.2
50°	708.2	414.8	397.2	373.7	350.2	334.6	371.7	416.7	438.3	416.7	416.7
52.5°	804.1	416.7	381.5	354.1	326.7	316.9	356.1	401.1	418.7	397.2	395.2
55°	907.8	422.6	361.9	334.6	297.4	303.3	348.3	393.3	399.1	375.6	373.7
57.5°	1025.2	428.5	342.4	320.9	281.7	287.6	332.6	377.6	375.6	344.3	344.3
60°	1144.5	434.3	322.8	303.3	266.1	268.0	313.0	358.0	346.3	315.0	313.0
62.5°	1244.3	428.5	299.3	283.7	250.4	244.6	289.6	334.6	324.8	291.5	291.5
65°	1330.4	405.0	279.8	264.1	234.8	225.0	266.1	305.2	297.4	266.1	268.0
67.5°	1365.6	367.8	260.2	244.6	217.2	203.5	238.7	270.0	268.0	242.6	244.6
70°	1312.8	316.9	238.7	225.0	197.6	180.0	211.3	238.7	238.7	221.1	221.1
72.5°	1199.3	279.8	215.2	203.5	174.1	160.4	185.9	207.4	211.3	199.6	201.5
75°	1072.2	244.6	187.8	182.0	154.6	137.0	158.5	180.0	183.9	178.0	178.0
77.5°	808.0	189.8	158.5	158.5	135.0	117.4	135.0	154.6	158.5	156.5	154.6
80°	408.9	135.0	127.2	135.0	111.5	97.8	111.5	129.1	135.0	146.7	146.7
82.5°	138.9	88.0	95.9	109.6	90.0	78.3	86.1	105.6	138.9	119.3	117.4
85°	39.1	39.1	50.9	58.7	60.7	52.8	60.7	99.8	80.2	68.5	66.5
87.5°	3.9	5.9	7.8	11.7	9.8	11.7	15.7	19.6	13.7	9.8	7.8
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)