

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: P695590

Luminaire Tested: **LXF.LXT-PA16-60-727-U-T2U**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695590
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-11)
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-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5876 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

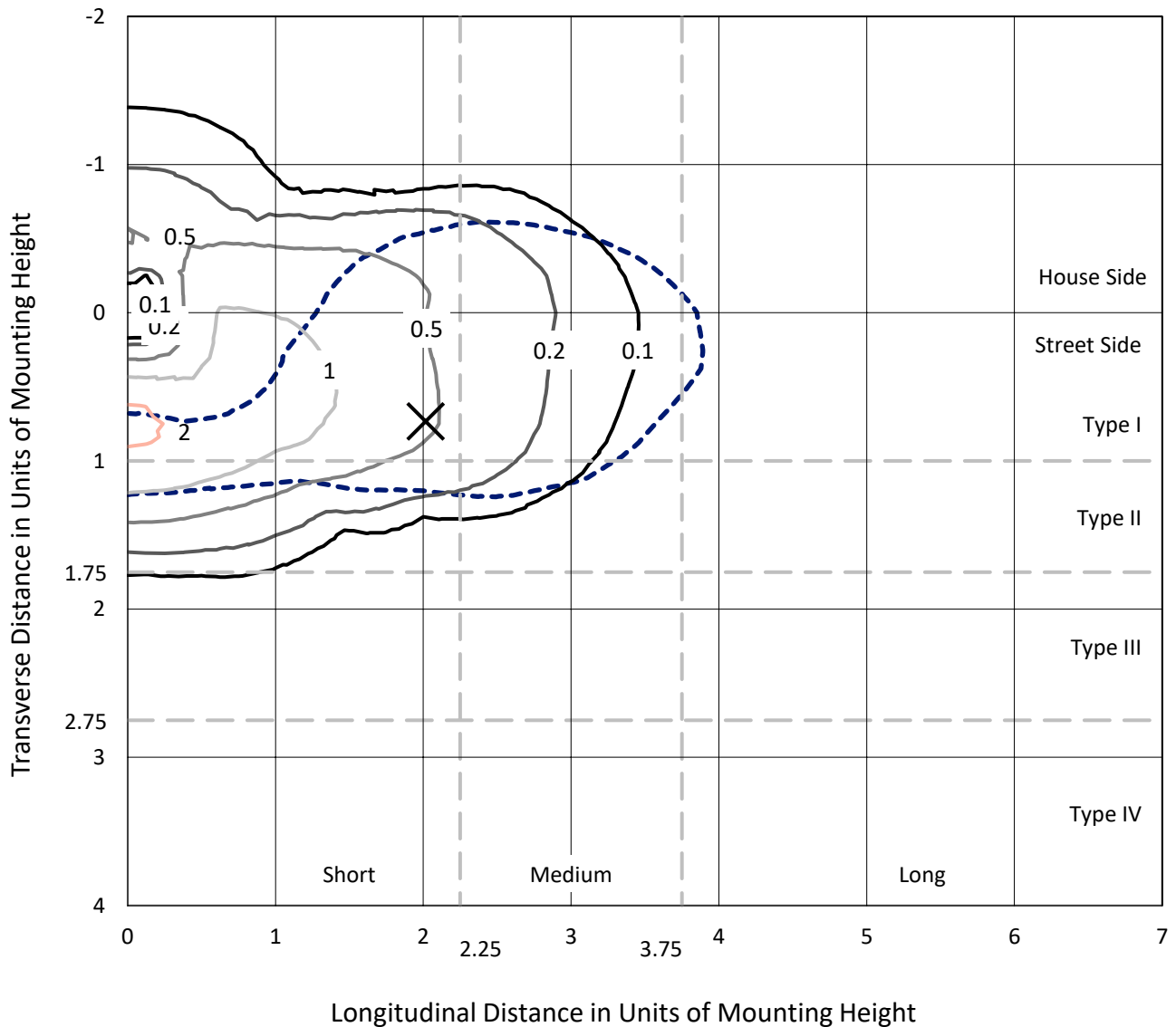
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695590
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

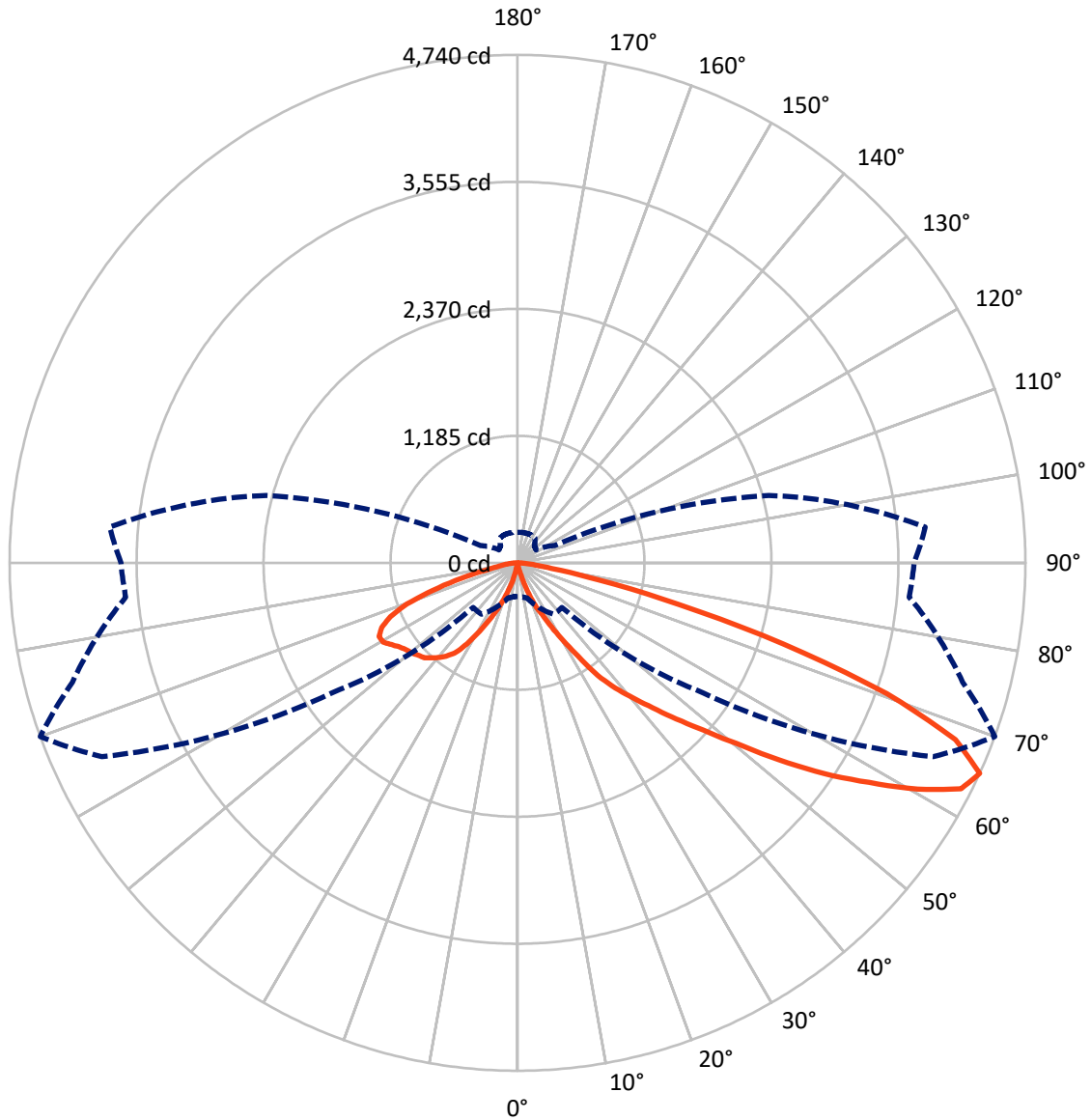
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Short - N/A

REPORT NUMBER: P695590
CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T2U

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P695590
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T2U

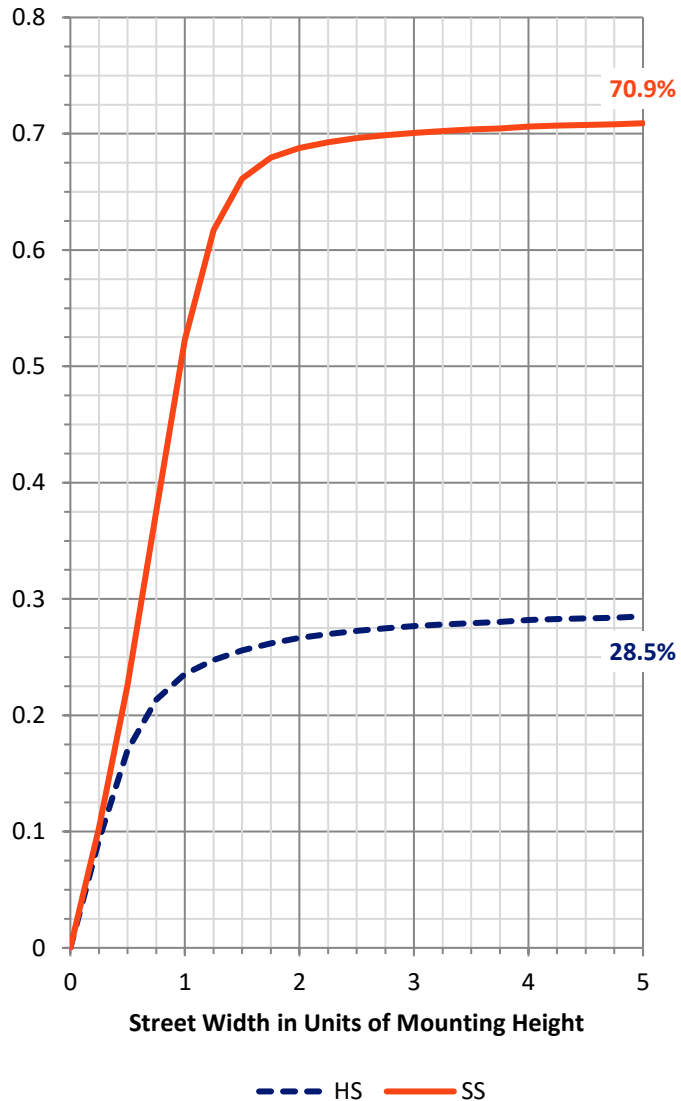
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1697.5	0.0	1697.5
	% Fixture	28.9	0.0	28.9
Street Side	Lumens	4178.5	0.0	4178.5
	% Fixture	71.1	0.0	71.1
Total	Lumens	5876.0	0.0	5876.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	43.1	0.7
20°-30°	270.9	4.6
30°-40°	720.4	12.3
40°-50°	1233.2	21.0
50°-60°	1508.6	25.7
60°-70°	1354.7	23.1
70°-80°	667.2	11.4
80°-90°	77.7	1.3
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°	5876.0	100.0
0°-180°	5876.0	100.0

Coefficient of Utilization



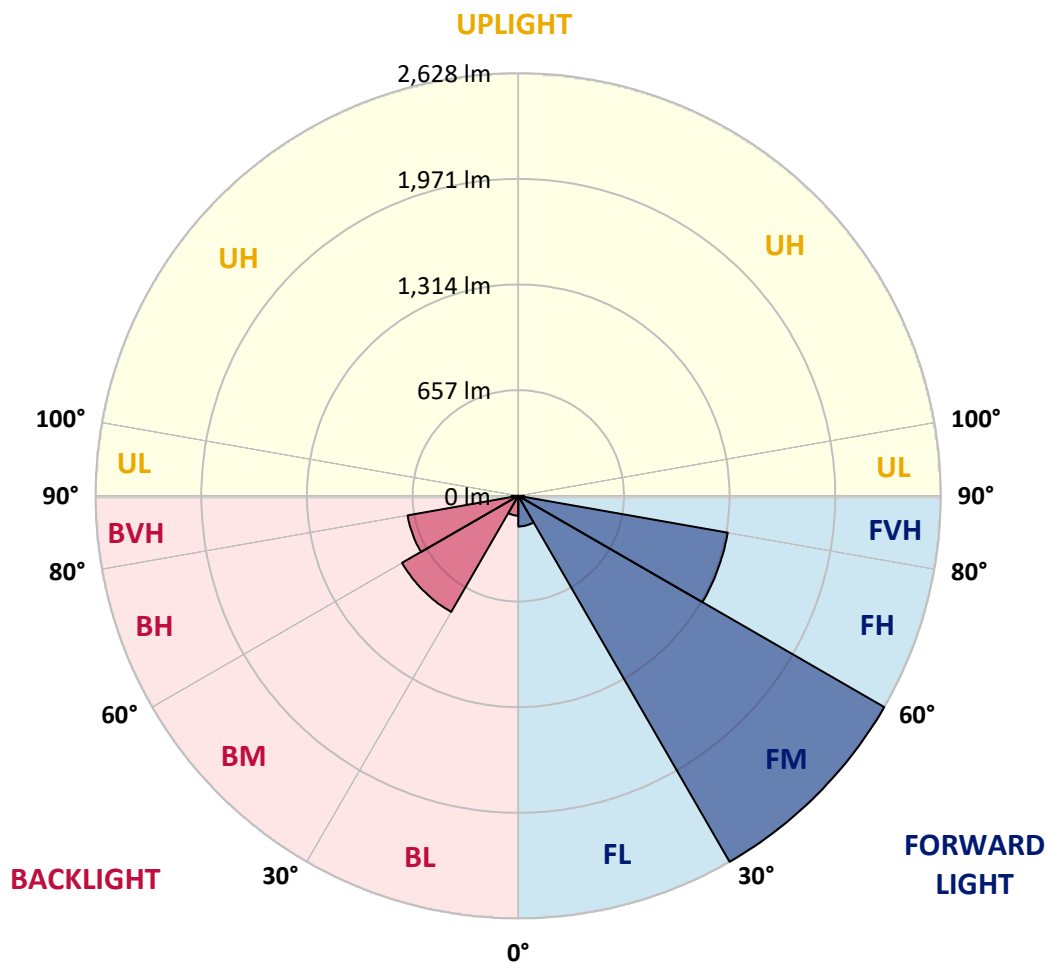
REPORT NUMBER: P695590
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	190.7	3.2			
FM (30°-60°)	2628.1	44.7			
FH (60°-80°)	1323.0	22.5			G1/1800
FVH (80°-90°)	36.6	0.6			G1/100
BL (0°-30°)	123.4	2.1	B1/500		
BM (30°-60°)	834.1	14.2	B1/1000		
BH (60°-80°)	698.9	11.9	B2/1000		G2/1000
BVH (80°-90°)	41.1	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



REPORT NUMBER: P695590
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	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	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0
5°	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0
7.5°	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0
10°	13.7	13.7	11.7	7.8	3.9	2.0	2.0	3.9	3.9	3.9	5.9
12.5°	176.1	178.0	172.2	119.3	23.5	7.8	7.8	23.5	60.6	82.2	92.0
15°	201.5	201.5	197.6	193.7	185.9	41.1	74.3	113.5	119.3	170.2	189.8
17.5°	275.9	262.2	232.8	219.1	211.3	225.0	166.3	211.3	217.2	221.1	234.8
20°	524.3	514.5	496.9	412.8	291.5	320.9	305.2	271.9	326.7	340.4	346.3
22.5°	626.1	616.3	598.7	559.5	512.6	371.7	412.8	377.6	455.8	475.4	471.5
25°	1060.4	1054.5	898.0	669.1	667.1	583.0	543.9	510.6	532.1	598.7	630.0
27.5°	1224.7	1222.8	1173.9	1058.4	776.7	716.0	651.5	694.5	678.9	761.0	786.5
30°	1751.0	1647.3	1463.4	1214.9	1091.7	872.6	882.3	907.8	843.2	894.1	958.6
32.5°	2157.9	2140.3	2026.8	1619.9	1258.0	1076.0	1076.0	1085.8	1040.8	1079.9	1152.3
35°	2527.7	2492.5	2316.4	1927.1	1596.4	1306.9	1248.2	1303.0	1291.2	1291.2	1248.2
37.5°	2762.5	2754.6	2617.7	2218.6	1846.9	1498.6	1451.7	1481.0	1483.0	1488.8	1361.7
40°	2985.5	2965.9	2881.8	2482.7	2169.7	1741.2	1649.3	1696.2	1655.1	1682.5	1506.4
42.5°	3100.9	3075.5	3026.6	2756.6	2525.7	2187.3	1919.2	1889.9	1848.8	1880.1	1680.6
45°	3114.6	3057.9	3071.6	2922.9	2817.2	2574.6	2189.2	2093.4	2077.7	2097.3	1882.1
47.5°	2922.9	2866.2	2962.0	2922.9	2985.5	2854.4	2549.2	2367.3	2334.0	2345.7	2091.4
50°	2480.7	2474.9	2609.9	2748.8	3010.9	3048.1	2995.3	2664.6	2647.0	2639.2	2330.1
52.5°	2048.4	2022.9	2142.3	2351.6	2789.9	3040.3	3359.2	3044.2	3052.0	2962.0	2568.8
55°	1561.2	1590.6	1709.9	1878.2	2310.5	2881.8	3642.9	3539.2	3474.6	3273.1	2805.5
57.5°	952.8	1046.7	1238.4	1410.6	1846.9	2476.8	3674.2	3971.5	3867.8	3588.1	3048.1
60°	555.6	557.6	708.2	1001.7	1332.3	1774.5	3466.8	4347.2	4290.4	3920.7	3294.6
62.5°	389.3	397.2	440.2	690.6	833.4	1103.4	2940.5	4509.5	4644.5	4165.2	3541.1
65°	315.0	315.0	338.5	451.9	586.9	586.9	2116.8	4280.6	4740.4	4300.2	3670.2
67.5°	295.4	295.4	307.2	330.6	453.9	387.4	1033.0	3701.5	4409.8	4227.8	3687.8
70°	262.2	262.2	285.6	295.4	354.1	297.4	444.1	2782.0	3658.5	3852.2	3568.5
72.5°	221.1	225.0	244.6	279.8	277.8	234.8	301.3	1684.5	2592.3	3048.1	3279.0
75°	181.9	185.9	199.6	228.9	256.3	178.0	240.6	831.5	1551.4	2036.6	2629.4
77.5°	142.8	140.9	160.4	185.9	209.3	136.9	176.1	361.9	772.8	1152.3	1573.0
80°	95.9	95.9	115.4	140.9	144.8	129.1	121.3	226.9	322.8	473.5	626.1
82.5°	60.6	62.6	74.3	88.0	99.8	109.6	88.0	138.9	168.3	191.7	180.0
85°	13.7	11.7	19.6	25.4	37.2	39.1	43.0	47.0	58.7	62.6	54.8
87.5°	0.0	0.0	2.0	2.0	2.0	3.9	3.9	7.8	7.8	9.8	9.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P695590
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T2U

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°	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
5°	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0
7.5°	0.0	0.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	5.9	5.9	3.9	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	95.9	93.9	88.0	27.4	7.8	2.0	0.0	2.0	3.9	5.9	7.8
15°	191.7	189.8	180.0	121.3	101.7	13.7	5.9	27.4	125.2	174.1	180.0
17.5°	234.8	236.7	226.9	223.0	162.4	103.7	109.6	205.4	215.2	219.1	219.1
20°	346.3	344.3	338.5	303.2	226.9	203.5	262.2	225.0	232.8	240.6	244.6
22.5°	469.5	465.6	457.8	365.9	318.9	324.8	285.6	303.2	406.9	412.8	414.8
25°	616.3	602.6	559.5	477.4	459.8	395.2	420.6	391.3	399.1	401.1	399.1
27.5°	765.0	749.3	649.5	600.6	547.8	414.8	432.4	399.1	448.0	498.9	498.9
30°	921.5	892.1	776.7	731.7	620.2	498.9	422.6	442.2	451.9	450.0	450.0
32.5°	1095.6	1040.8	890.2	892.1	663.2	496.9	436.3	403.0	424.5	498.9	500.8
35°	1187.5	1117.1	1031.0	995.8	716.0	457.8	387.4	418.7	455.8	459.8	457.8
37.5°	1279.5	1187.5	1089.7	1081.9	688.7	416.7	379.5	397.2	412.8	406.9	406.9
40°	1402.8	1295.1	1201.2	1085.8	643.7	377.6	363.9	373.7	375.6	369.8	369.8
42.5°	1557.3	1432.1	1336.2	1052.6	561.5	352.2	348.2	354.1	358.0	350.2	348.2
45°	1739.3	1592.5	1471.2	1013.4	457.8	338.5	340.4	340.4	346.3	338.5	336.5
47.5°	1946.6	1794.0	1567.1	962.6	387.4	326.7	334.5	330.6	334.5	324.8	322.8
50°	2179.4	2007.3	1700.1	892.1	350.2	311.1	330.6	318.9	322.8	316.9	316.9
52.5°	2396.6	2247.9	1829.3	806.0	320.9	299.3	316.9	316.9	320.9	315.0	313.0
55°	2635.3	2510.1	1981.9	720.0	291.5	289.5	315.0	318.9	316.9	311.1	311.1
57.5°	2881.8	2819.2	2134.5	669.1	266.1	271.9	313.0	320.9	315.0	309.1	307.2
60°	3169.4	3206.6	2285.1	628.0	242.6	254.3	307.2	313.0	309.1	303.2	303.2
62.5°	3472.6	3599.8	2402.5	524.3	226.9	238.7	295.4	303.2	297.4	295.4	295.4
65°	3701.5	3820.9	2427.9	381.5	211.3	223.0	283.7	289.5	287.6	285.6	285.6
67.5°	3797.4	3830.7	2308.6	271.9	195.6	209.3	270.0	277.8	271.9	275.9	273.9
70°	3746.5	3576.3	1979.9	225.0	180.0	191.7	252.4	258.2	254.3	264.1	260.2
72.5°	3339.6	2991.4	1477.1	189.8	166.3	174.1	232.8	236.7	234.8	238.7	230.9
75°	2533.6	2124.7	923.4	168.3	150.6	154.6	207.4	215.2	209.3	207.4	199.6
77.5°	1461.4	1281.5	461.7	152.6	135.0	133.0	181.9	187.8	183.9	172.2	176.1
80°	541.9	448.0	207.4	133.0	117.4	111.5	150.6	156.5	152.6	140.9	140.9
82.5°	156.5	144.8	127.2	109.6	101.7	88.0	121.3	127.2	125.2	119.3	111.5
85°	48.9	50.9	64.6	70.4	74.3	62.6	92.0	92.0	84.1	76.3	62.6
87.5°	5.9	9.8	11.7	19.6	23.5	17.6	23.5	25.4	23.5	15.7	15.7
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)