

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: P695585

Luminaire Tested: **LXF.LXT-PA16-60-727-U-T2R**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695585
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-PA16-60-727-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 5600 lumens
Efficiency: N/A
Efficacy: 90.3 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

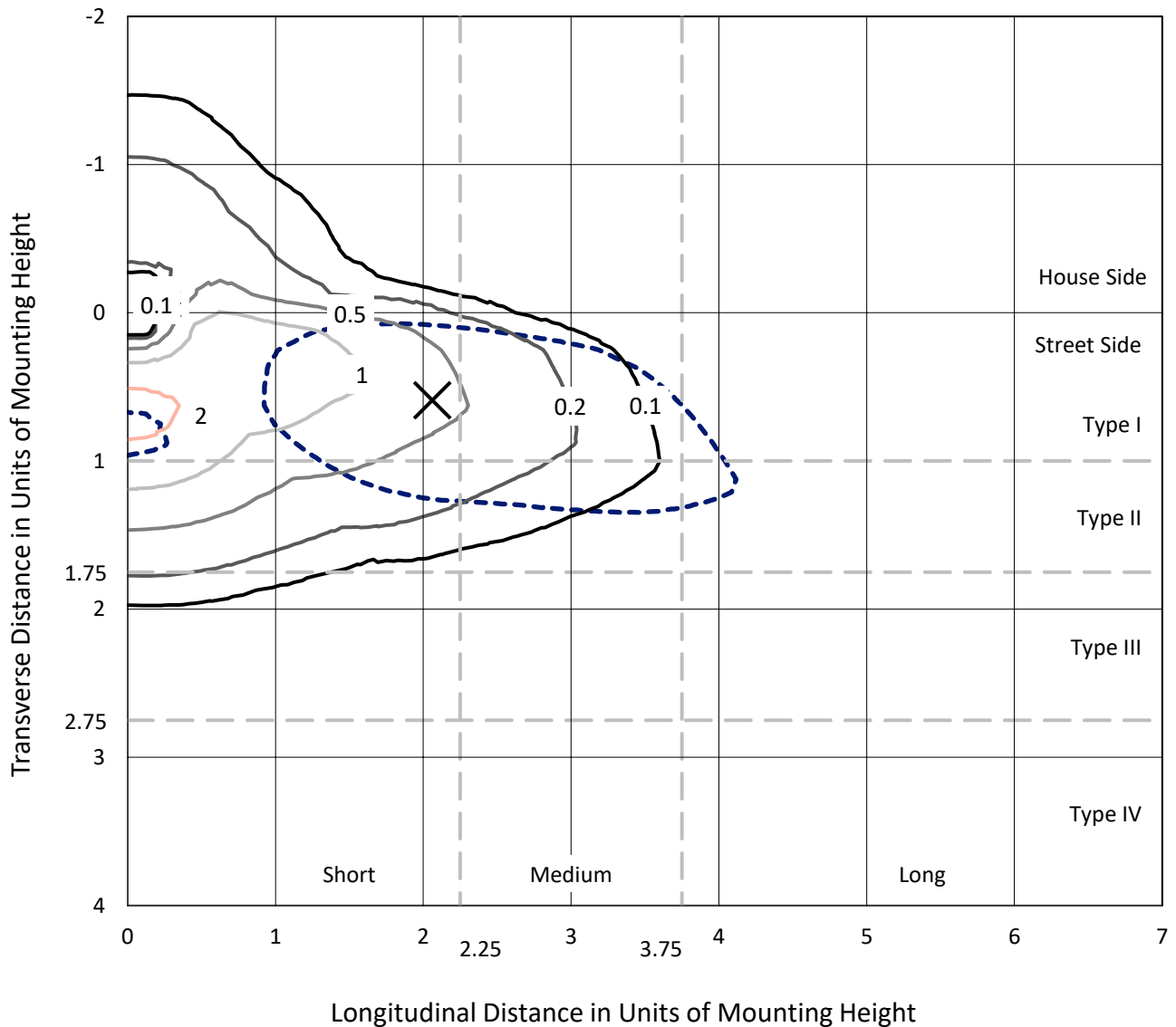
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

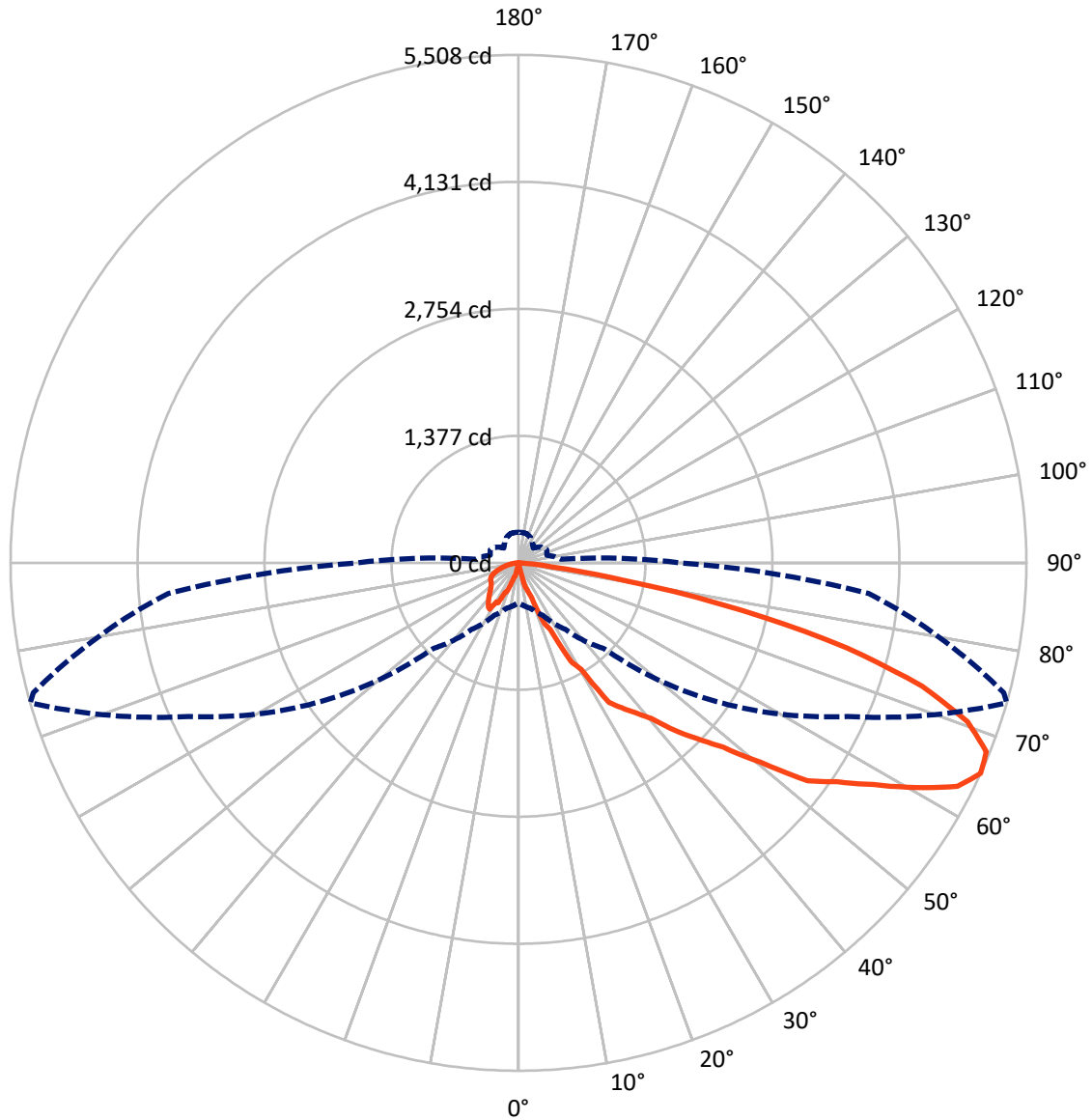
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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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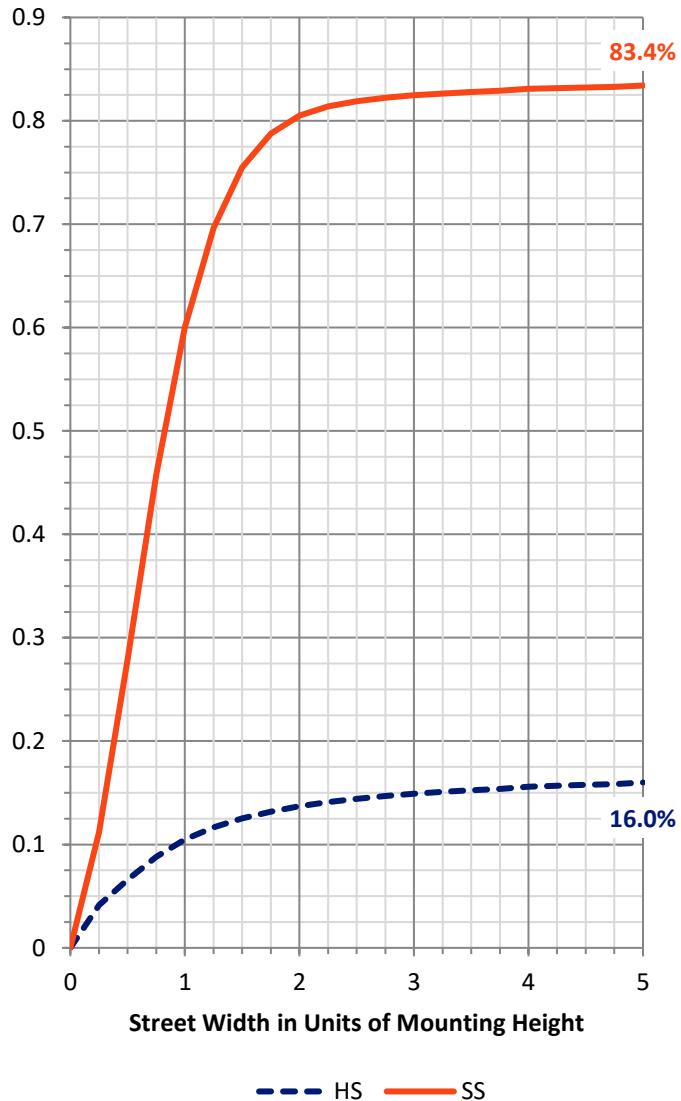
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	917.6	0.0	917.6
	% Fixture	16.4	0.0	16.4
Street Side	Lumens	4682.4	0.0	4682.4
	% Fixture	83.6	0.0	83.6
Total	Lumens	5600.0	0.0	5600.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	54.7	1.0
20°-30°	330.2	5.9
30°-40°	799.6	14.3
40°-50°	1120.7	20.0
50°-60°	1324.0	23.6
60°-70°	1214.2	21.7
70°-80°	657.8	11.7
80°-90°	98.6	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°	5600.0	100.0
0°-180°	5600.0	100.0

Coefficient of Utilization

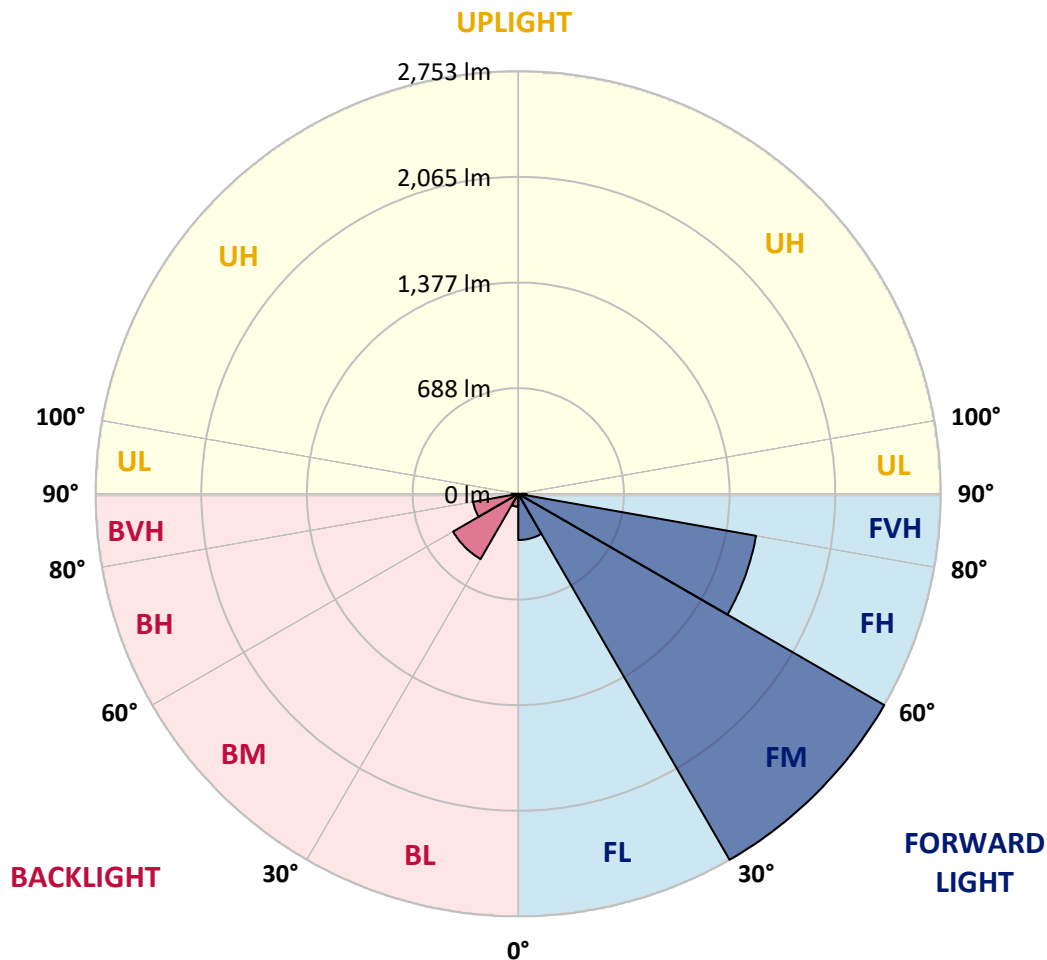


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	301.2	5.4			
FM (30°-60°)	2753.5	49.2			
FH (60°-80°)	1573.2	28.1			G1/1800
FVH (80°-90°)	54.5	1.0			G1/100
BL (0°-30°)	83.9	1.5	B0/110		
BM (30°-60°)	490.8	8.8	B1/1000		
BH (60°-80°)	298.8	5.3	B1/500		G1/500
BVH (80°-90°)	44.1	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°	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	0.0	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°	27.4	25.4	19.6	11.7	5.9	2.0	2.0	2.0	2.0	2.0	2.0
12.5°	336.6	336.6	332.6	305.3	39.1	13.7	3.9	9.8	19.6	23.5	25.4
15°	381.6	377.7	377.7	373.7	364.0	84.1	37.2	293.5	268.1	260.2	199.6
17.5°	589.0	665.3	452.0	420.7	409.0	336.6	320.9	346.3	307.2	301.3	230.9
20°	896.2	896.2	890.3	880.5	475.5	655.5	616.4	397.2	403.1	485.3	459.8
22.5°	1001.9	997.9	978.4	964.7	1037.1	710.3	669.2	729.9	712.3	706.4	540.1
25°	1608.4	1590.8	1563.4	1099.7	1134.9	997.9	994.0	933.4	798.4	784.7	620.3
27.5°	1759.1	1745.4	1721.9	1569.3	1297.3	1311.0	1041.0	1119.3	1209.3	1217.1	931.4
30°	2508.5	2487.0	2217.0	1739.5	1643.7	1428.4	1453.9	1418.6	1338.4	1307.1	1005.8
32.5°	2678.8	2667.0	2616.2	2269.8	1786.5	1692.6	1628.0	1565.4	1806.1	1765.0	1414.7
35°	2813.8	2792.3	2741.4	2355.9	2183.7	1966.5	1778.7	1968.5	1933.3	1894.1	1491.0
37.5°	2888.2	2864.7	2813.8	2451.8	2289.4	2064.4	2109.4	2087.8	2064.4	2048.7	1573.2
40°	2874.5	2854.9	2823.6	2514.4	2354.0	2125.0	2269.8	2236.6	2217.0	2299.2	1675.0
42.5°	2809.9	2790.3	2768.8	2545.7	2391.1	2170.0	2404.8	2449.8	2487.0	2471.4	1788.5
45°	2676.8	2659.2	2659.2	2514.4	2371.6	2207.2	2522.2	2669.0	2721.8	2663.1	1935.2
47.5°	2537.9	2524.2	2526.2	2428.3	2334.4	2242.4	2667.0	2847.1	2986.0	2915.5	2146.5
50°	2346.1	2340.3	2369.6	2346.1	2289.4	2246.3	2825.5	3142.5	3400.8	3377.3	2467.5
52.5°	2064.4	2068.3	2150.5	2203.3	2199.4	2218.9	2899.9	3426.3	3925.2	3862.6	2714.0
55°	1821.7	1808.0	1874.6	1995.9	2037.0	2172.0	2941.0	3502.6	4193.3	4132.6	2923.4
57.5°	1516.5	1518.4	1592.8	1718.0	1829.6	2062.4	2976.2	3641.5	4537.7	4467.2	3214.9
60°	1134.9	1174.0	1256.2	1383.4	1545.8	1880.4	2970.3	3831.3	4950.6	4905.6	3549.5
62.5°	741.6	755.3	870.7	996.0	1246.4	1645.6	2868.6	3968.3	5341.9	5259.7	3770.6
65°	432.4	457.9	510.7	630.1	878.6	1316.9	2624.0	3940.9	5508.2	5447.6	3811.7
67.5°	291.6	295.5	320.9	389.4	549.8	947.1	2215.0	3682.6	5471.0	5416.3	3698.2
70°	244.6	246.5	254.4	262.2	317.0	612.5	1606.5	3168.0	5165.8	5124.7	3422.3
72.5°	219.2	221.1	225.0	219.2	223.1	354.2	1054.7	2627.9	4576.8	4525.9	2964.5
75°	199.6	199.6	199.6	195.7	189.8	217.2	587.0	2017.4	3678.7	3571.1	2254.2
77.5°	174.1	174.1	172.2	172.2	170.2	162.4	287.6	1424.5	2473.3	2367.7	1330.6
80°	142.8	142.8	142.8	144.8	142.8	121.3	154.6	857.1	1197.5	1174.0	514.6
82.5°	86.1	88.1	99.8	115.4	113.5	86.1	103.7	395.3	364.0	342.4	160.5
85°	11.7	9.8	27.4	39.1	47.0	31.3	43.0	90.0	84.1	88.1	39.1
87.5°	0.0	0.0	0.0	2.0	2.0	3.9	5.9	5.9	5.9	5.9	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	0.0	0.0	0.0	2.0	2.0	0.0
5°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	31.3	29.4	19.6	7.8	0.0	0.0	0.0	0.0	0.0	2.0	2.0
15°	178.1	162.4	148.7	125.2	25.4	3.9	2.0	13.7	31.3	70.4	72.4
17.5°	203.5	183.9	166.3	154.6	138.9	41.1	29.4	142.8	150.7	150.7	150.7
20°	393.3	348.3	240.7	174.1	150.7	125.2	137.0	154.6	160.5	162.4	162.4
22.5°	452.0	391.3	338.5	297.4	174.1	215.2	201.5	168.3	264.2	272.0	273.9
25°	514.6	442.2	358.1	311.1	295.5	221.1	230.9	260.2	279.8	279.8	279.8
27.5°	755.3	618.3	499.0	358.1	317.0	270.0	283.7	268.1	289.6	354.2	365.9
30°	808.1	645.7	497.0	399.2	336.6	315.0	283.7	350.3	375.7	375.7	373.7
32.5°	1103.6	845.3	614.4	397.2	364.0	311.1	340.5	362.0	379.6	405.0	414.8
35°	1148.6	843.4	590.9	457.9	358.1	326.8	346.3	385.5	450.1	459.8	454.0
37.5°	1183.8	827.7	555.7	436.4	385.5	340.5	356.1	422.7	452.0	448.1	440.3
40°	1224.9	806.2	516.6	420.7	371.8	340.5	379.6	420.7	432.4	414.8	410.9
42.5°	1275.8	778.8	481.4	401.1	358.1	338.5	375.7	397.2	397.2	393.3	389.4
45°	1346.2	753.3	448.1	379.6	352.2	330.7	365.9	365.9	389.4	385.5	383.5
47.5°	1469.5	727.9	418.7	362.0	344.4	320.9	340.5	354.2	381.6	379.6	377.7
50°	1602.6	700.5	395.3	350.3	336.6	309.2	311.1	342.4	373.7	371.8	369.8
52.5°	1686.7	651.6	377.7	346.3	328.7	297.4	301.3	332.6	367.9	364.0	360.0
55°	1749.3	608.5	365.9	344.4	320.9	270.0	293.5	324.8	360.0	354.2	350.3
57.5°	1835.4	573.3	358.1	348.3	315.0	250.5	283.7	317.0	352.2	346.3	346.3
60°	1919.6	544.0	350.3	350.3	313.1	240.7	275.9	311.1	344.4	342.4	342.4
62.5°	1917.6	508.8	336.6	348.3	311.1	232.9	270.0	305.3	336.6	338.5	336.6
65°	1751.3	463.7	317.0	336.6	297.4	227.0	262.2	305.3	328.7	330.7	330.7
67.5°	1540.0	407.0	285.7	317.0	273.9	223.1	256.3	299.4	315.0	324.8	324.8
70°	1299.3	334.6	246.5	289.6	250.5	219.2	256.3	289.6	299.4	318.9	317.0
72.5°	1064.5	264.2	205.5	252.4	225.0	215.2	258.3	275.9	279.8	305.3	297.4
75°	810.1	199.6	164.4	205.5	193.7	211.3	254.4	256.3	254.4	262.2	250.5
77.5°	526.4	150.7	133.1	156.5	160.5	201.5	246.5	232.9	221.1	215.2	209.4
80°	240.7	107.6	101.8	121.3	119.4	185.9	232.9	207.4	189.8	180.0	172.2
82.5°	97.8	70.4	70.4	88.1	82.2	162.4	209.4	178.1	156.5	148.7	144.8
85°	27.4	29.4	31.3	47.0	48.9	125.2	168.3	138.9	113.5	168.3	154.6
87.5°	3.9	3.9	3.9	5.9	5.9	7.8	23.5	31.3	41.1	17.6	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)