

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: P695340

Luminaire Tested: **LXF.LXT-PA16-50-730-U-SL3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695340
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-PA16-50-730-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 980mA 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: 5213 lumens
Efficiency: N/A
Efficacy: 98.2 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

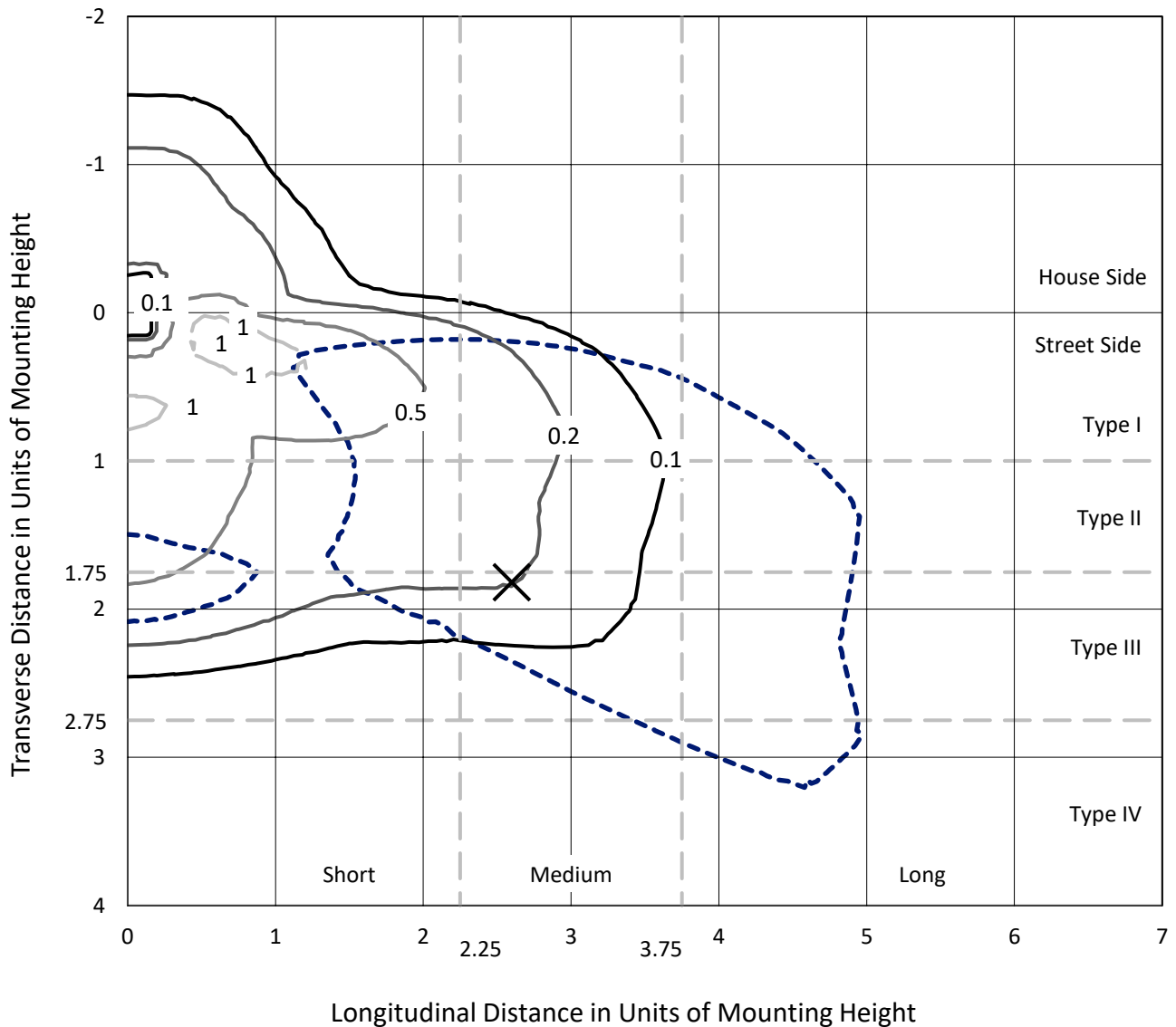
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

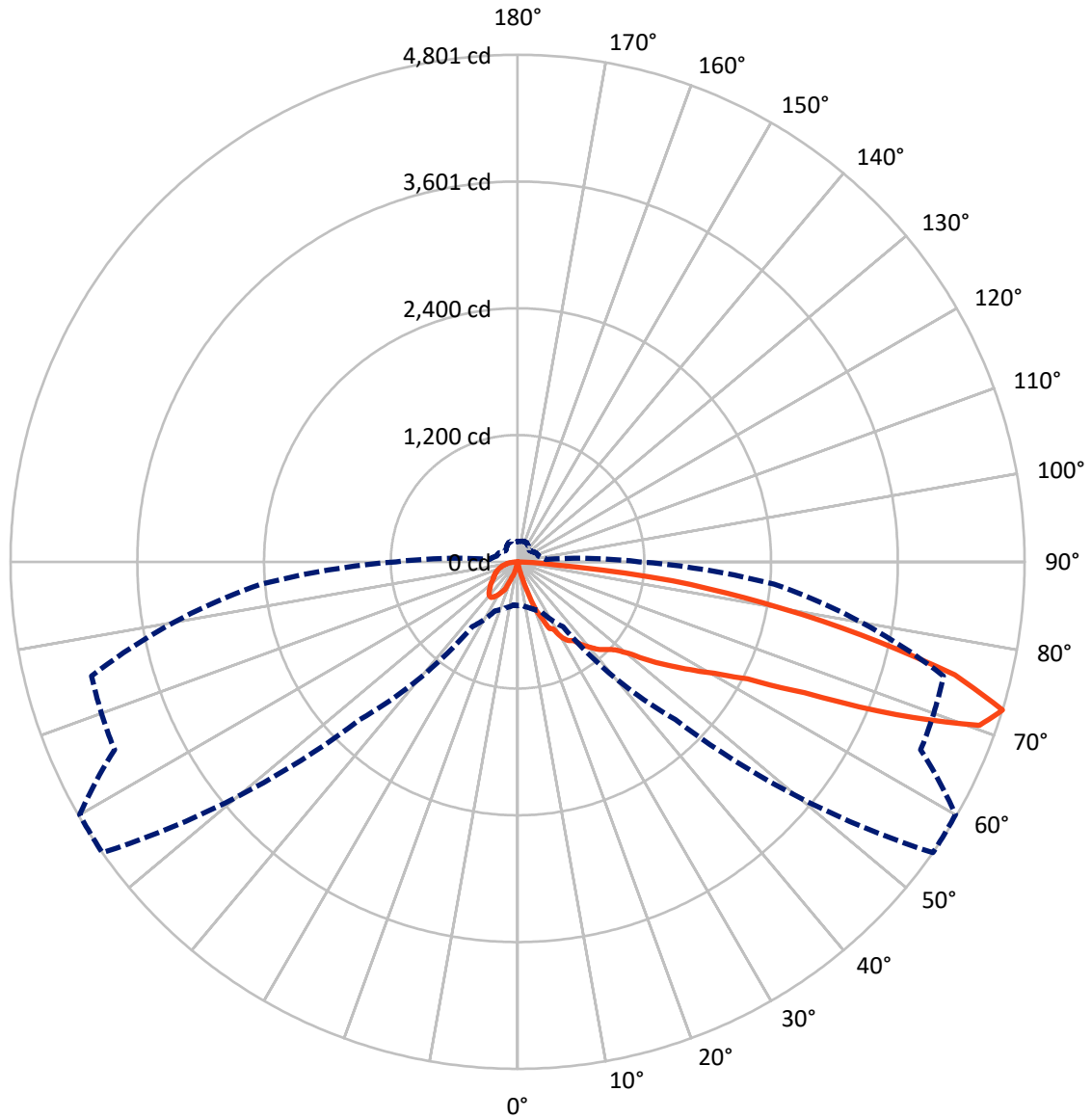
× Max cd
 - - - 1/2 Max cd



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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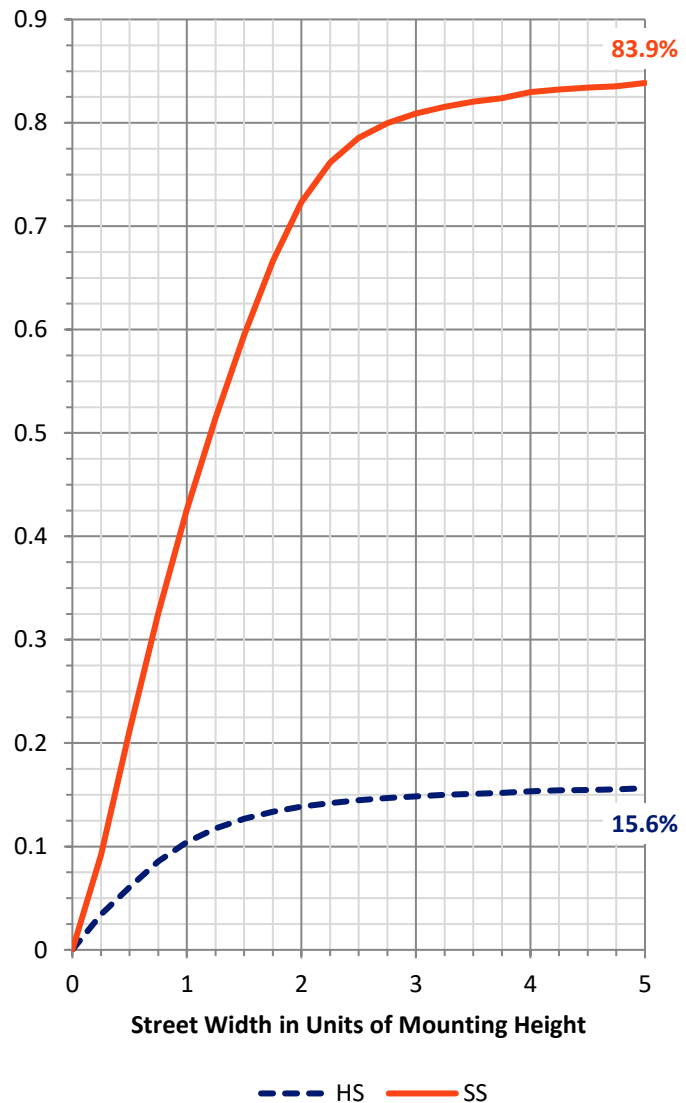
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	828.1	0.0	828.1
	% Fixture	15.9	0.0	15.9
Street Side	Lumens	4384.9	0.0	4384.9
	% Fixture	84.1	0.0	84.1
Total	Lumens	5213.0	0.0	5213.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	50.4	1.0
20°-30°	235.9	4.5
30°-40°	502.5	9.6
40°-50°	731.7	14.0
50°-60°	1066.1	20.5
60°-70°	1414.9	27.1
70°-80°	1041.7	20.0
80°-90°	169.5	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°	5213.0	100.0
0°-180°	5213.0	100.0

Coefficient of Utilization

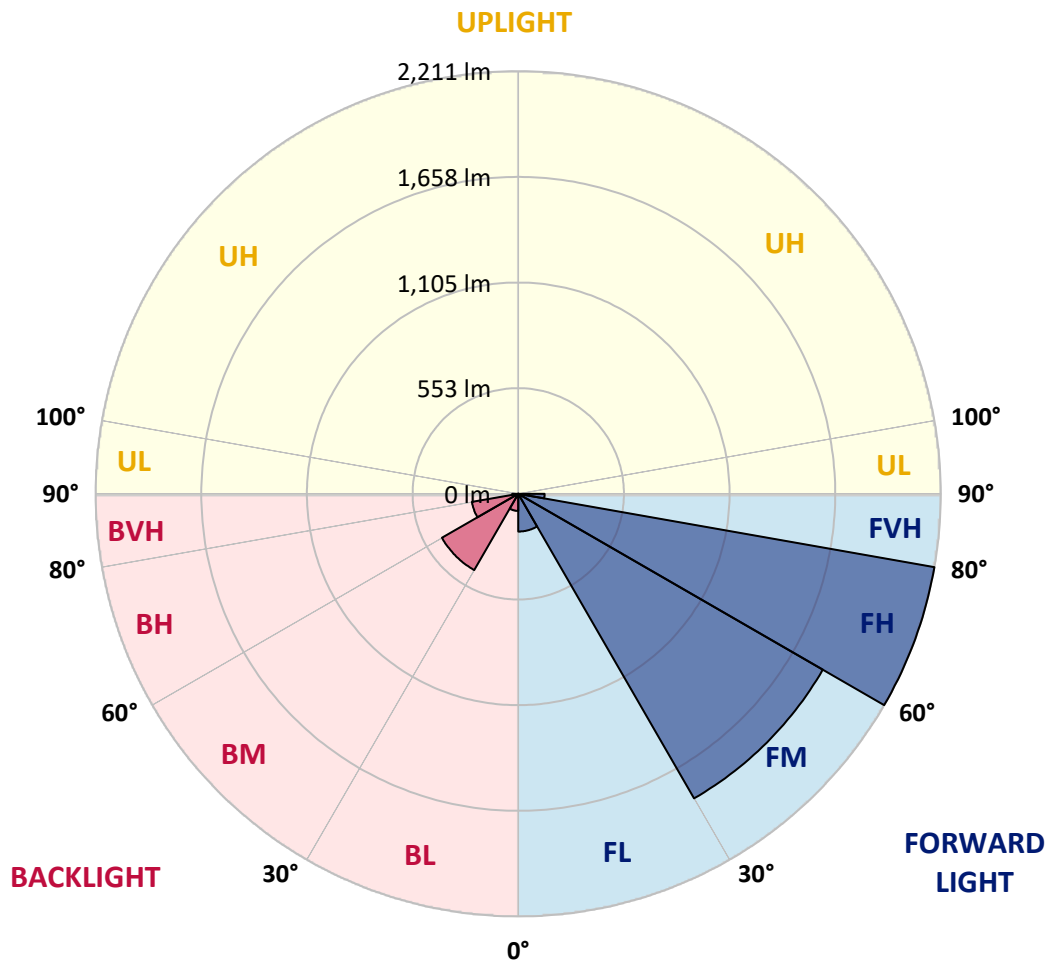


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	197.3	3.8			
FM (30°-60°)	1839.4	35.3			
FH (60°-80°)	2210.5	42.4			G2/5000
FVH (80°-90°)	137.6	2.6			G2/225
BL (0°-30°)	89.3	1.7	B0/110		
BM (30°-60°)	460.8	8.8	B1/1000		
BH (60°-80°)	246.1	4.7	B1/500		G1/500
BVH (80°-90°)	31.9	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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9
5°	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
7.5°	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
10°	37.6	39.5	31.9	15.0	5.6	1.9	1.9	1.9	3.8	3.8	5.6
12.5°	298.8	302.5	296.9	120.3	56.4	11.3	7.5	13.2	20.7	31.9	125.9
15°	296.9	296.9	302.5	311.9	311.9	65.8	131.5	171.0	238.6	310.0	306.3
17.5°	313.8	311.9	304.4	300.6	321.3	366.4	278.1	334.5	340.1	351.4	343.9
20°	456.6	456.6	456.6	434.0	325.1	451.0	469.7	379.6	383.3	535.5	520.5
22.5°	499.8	497.9	482.9	471.6	490.4	447.2	567.5	652.0	642.6	729.0	684.0
25°	712.1	691.5	655.8	520.5	543.0	524.2	700.9	804.2	727.2	792.9	858.7
27.5°	830.5	815.5	783.5	708.4	578.7	635.1	717.8	845.5	988.3	1133.0	1018.4
30°	1112.4	1097.3	939.5	823.0	717.8	653.9	836.1	1003.4	1163.1	1187.5	1061.6
32.5°	1153.7	1155.6	1163.1	1052.2	843.7	723.4	890.6	1037.2	1243.9	1491.9	1319.0
35°	1180.0	1178.1	1178.1	1091.7	1005.3	854.9	916.9	1166.8	1429.9	1582.1	1305.9
37.5°	1258.9	1253.3	1243.9	1112.4	1063.5	948.9	999.6	1200.7	1533.3	1723.0	1292.7
40°	1354.7	1360.4	1336.0	1168.7	1103.0	1020.3	1065.4	1215.7	1655.4	1837.6	1287.1
42.5°	1490.0	1482.5	1441.2	1262.7	1161.2	1052.2	1136.8	1255.2	1745.6	1991.7	1298.4
45°	1642.2	1623.4	1565.2	1392.3	1247.6	1071.0	1183.8	1326.6	1826.4	2166.5	1337.8
47.5°	1800.1	1775.6	1693.0	1497.6	1337.8	1106.7	1243.9	1418.6	1918.4	2388.2	1411.1
50°	1950.4	1933.5	1828.3	1608.4	1431.8	1172.5	1358.5	1557.7	2044.3	2609.9	1535.1
52.5°	2100.7	2072.5	1942.9	1721.1	1522.0	1255.2	1546.4	1762.5	2213.4	2833.5	1670.4
55°	2262.3	2224.7	2057.5	1832.0	1597.1	1366.0	1728.7	1974.8	2414.5	3102.2	1837.6
57.5°	2531.0	2504.7	2266.1	1997.4	1704.2	1501.3	1926.0	2187.1	2630.6	3348.4	2004.9
60°	2835.4	2788.4	2553.5	2284.8	1927.8	1711.8	2143.9	2423.9	2837.3	3585.1	2190.9
62.5°	2824.1	2777.1	2611.8	2457.7	2215.3	2063.1	2442.7	2668.2	3013.9	3808.7	2356.2
65°	2243.5	2251.0	2245.4	2271.7	2296.1	2557.3	2985.7	3027.0	3292.0	4017.3	2514.1
67.5°	1221.3	1210.1	1349.1	1621.6	1999.2	2871.1	3865.1	3605.8	3635.8	4212.7	2623.1
70°	582.5	582.5	663.3	901.9	1433.7	2677.6	4639.2	4338.6	4006.0	4297.2	2609.9
72.5°	415.3	409.6	452.8	513.0	749.7	2112.0	4800.8	4787.7	4210.8	4175.1	2437.0
75°	336.3	340.1	357.0	388.9	355.1	1242.0	4274.7	4515.2	4019.1	3789.9	2155.2
77.5°	272.5	272.5	293.1	308.2	227.4	603.2	3318.3	3630.2	3186.8	3090.9	1584.0
80°	202.9	202.9	214.2	246.1	167.2	255.5	2348.7	2444.6	2102.6	1907.2	777.9
82.5°	124.0	116.5	131.5	172.9	120.3	146.6	1475.0	1330.3	1056.0	591.9	231.1
85°	22.5	26.3	37.6	60.1	45.1	54.5	342.0	249.9	210.4	101.5	52.6
87.5°	0.0	0.0	0.0	1.9	3.8	5.6	7.5	9.4	9.4	7.5	5.6
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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9
5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	1.9	1.9	1.9	1.9
7.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	1.9	1.9	1.9
10°	5.6	5.6	3.8	1.9	1.9	0.0	0.0	0.0	1.9	1.9	1.9
12.5°	131.5	135.3	33.8	18.8	5.6	1.9	0.0	1.9	3.8	7.5	9.4
15°	296.9	280.0	216.1	110.9	63.9	7.5	3.8	31.9	86.4	93.9	99.6
17.5°	326.9	304.4	225.5	157.8	124.0	60.1	75.2	120.3	135.3	142.8	142.8
20°	484.8	426.5	276.2	184.1	146.6	159.7	131.5	142.8	157.8	171.0	178.5
22.5°	621.9	520.5	319.4	263.1	199.2	204.8	180.4	206.7	253.7	272.5	274.3
25°	749.7	580.6	336.3	293.1	285.6	233.0	255.5	257.4	280.0	291.2	293.1
27.5°	847.4	610.7	402.1	338.2	315.7	285.6	291.2	287.5	357.0	379.6	383.3
30°	858.7	586.2	420.9	383.3	347.6	330.7	313.8	372.0	400.2	409.6	409.6
32.5°	952.6	605.0	462.2	413.4	381.4	345.7	375.8	394.6	426.5	484.8	486.7
35°	853.1	539.3	479.1	449.1	405.9	375.8	392.7	443.4	505.4	518.6	516.7
37.5°	751.6	490.4	456.6	447.2	420.9	394.6	413.4	462.2	496.1	484.8	484.8
40°	668.9	456.6	439.7	432.2	419.0	385.2	422.8	441.6	479.1	467.9	466.0
42.5°	610.7	432.2	422.8	413.4	404.0	372.0	396.5	437.8	471.6	458.5	454.7
45°	591.9	417.1	411.5	398.3	381.4	353.2	379.6	432.2	464.1	451.0	447.2
47.5°	614.4	404.0	396.5	379.6	357.0	328.8	370.2	422.8	447.2	424.7	422.8
50°	680.2	398.3	381.4	358.9	336.3	321.3	357.0	400.2	420.9	400.2	400.2
52.5°	772.3	400.2	366.4	340.1	313.8	304.4	342.0	385.2	402.1	381.4	379.6
55°	871.8	405.9	347.6	321.3	285.6	291.2	334.5	377.7	383.3	360.8	358.9
57.5°	984.6	411.5	328.8	308.2	270.6	276.2	319.4	362.6	360.8	330.7	330.7
60°	1099.2	417.1	310.0	291.2	255.5	257.4	300.6	343.9	332.6	302.5	300.6
62.5°	1195.0	411.5	287.5	272.5	240.5	234.9	278.1	321.3	311.9	280.0	280.0
65°	1277.7	388.9	268.7	253.7	225.5	216.1	255.5	293.1	285.6	255.5	257.4
67.5°	1311.5	353.2	249.9	234.9	208.6	195.4	229.2	259.3	257.4	233.0	234.9
70°	1260.8	304.4	229.2	216.1	189.8	172.9	202.9	229.2	229.2	212.3	212.3
72.5°	1151.8	268.7	206.7	195.4	167.2	154.1	178.5	199.2	202.9	191.7	193.5
75°	1029.7	234.9	180.4	174.7	148.4	131.5	152.2	172.9	176.6	171.0	171.0
77.5°	776.0	182.3	152.2	152.2	129.6	112.7	129.6	148.4	152.2	150.3	148.4
80°	392.7	129.6	122.1	129.6	107.1	93.9	107.1	124.0	129.6	140.9	140.9
82.5°	133.4	84.6	92.1	105.2	86.4	75.2	82.7	101.5	133.4	114.6	112.7
85°	37.6	37.6	48.9	56.4	58.2	50.7	58.2	95.8	77.0	65.8	63.9
87.5°	3.8	5.6	7.5	11.3	9.4	11.3	15.0	18.8	13.2	9.4	7.5
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)