

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: P695885

Luminaire Tested: **LXF.LXT-PA16-730-U-T2R**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695885
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-PA16-730-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6755 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

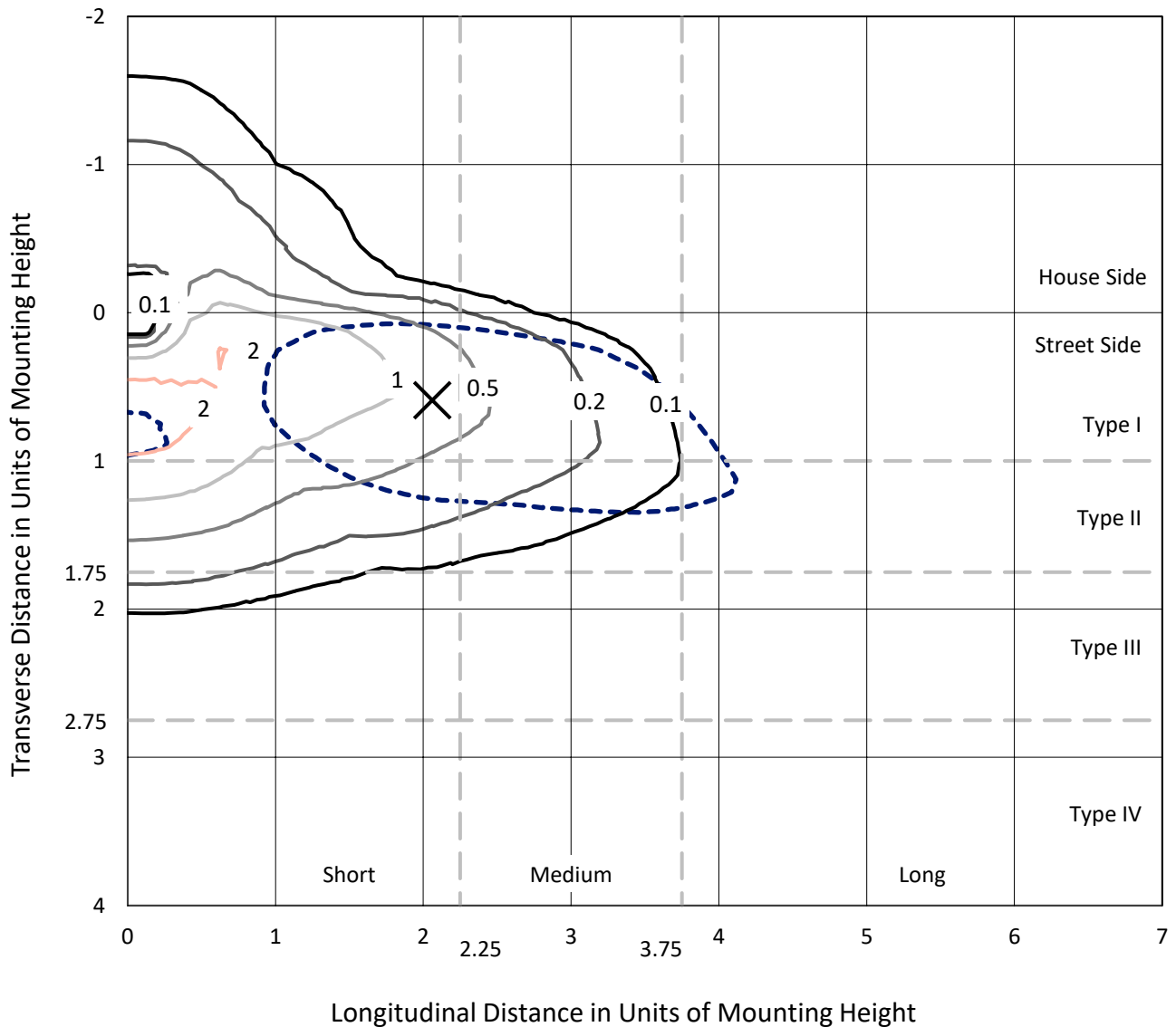
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

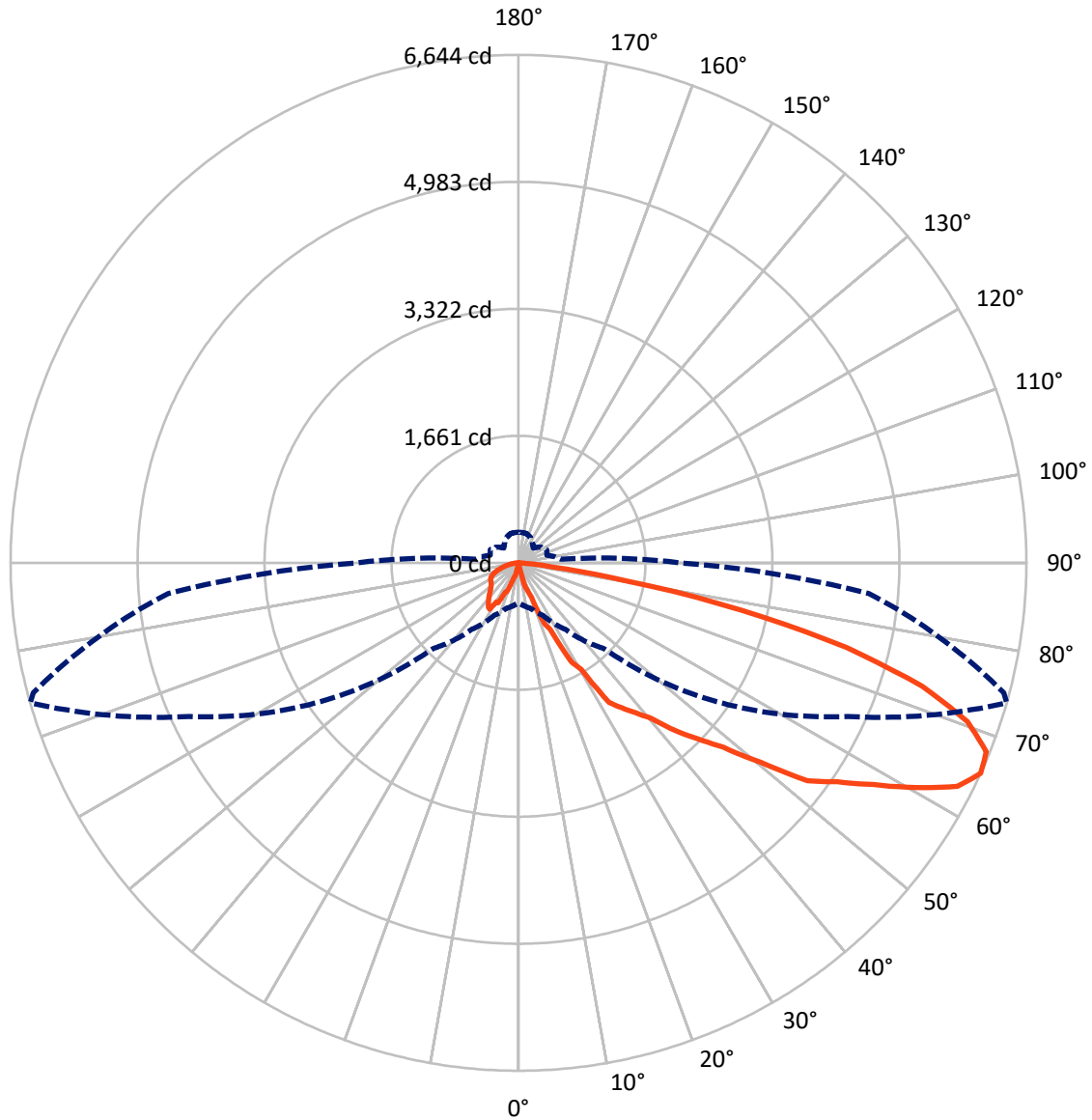
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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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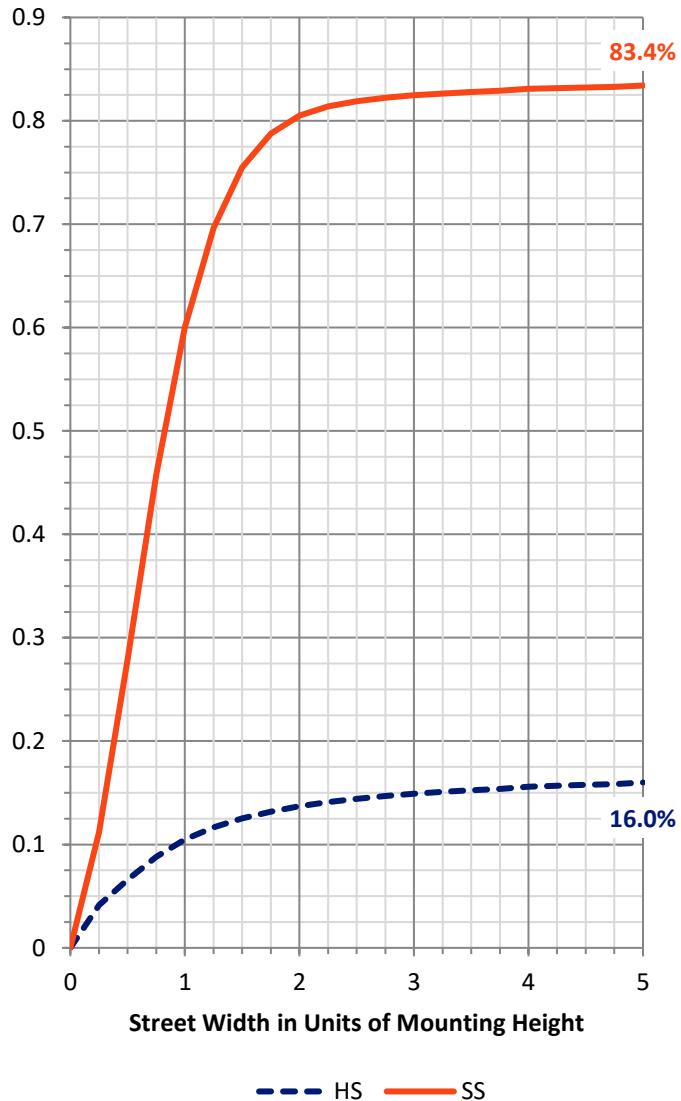
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1106.9	0.0	1106.9
	% Fixture	16.4	0.0	16.4
Street Side	Lumens	5648.1	0.0	5648.1
	% Fixture	83.6	0.0	83.6
Total	Lumens	6755.0	0.0	6755.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	66.0	1.0
20°-30°	398.3	5.9
30°-40°	964.5	14.3
40°-50°	1351.8	20.0
50°-60°	1597.0	23.6
60°-70°	1464.6	21.7
70°-80°	793.4	11.7
80°-90°	119.0	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°	6755.0	100.0
0°-180°	6755.0	100.0

Coefficient of Utilization



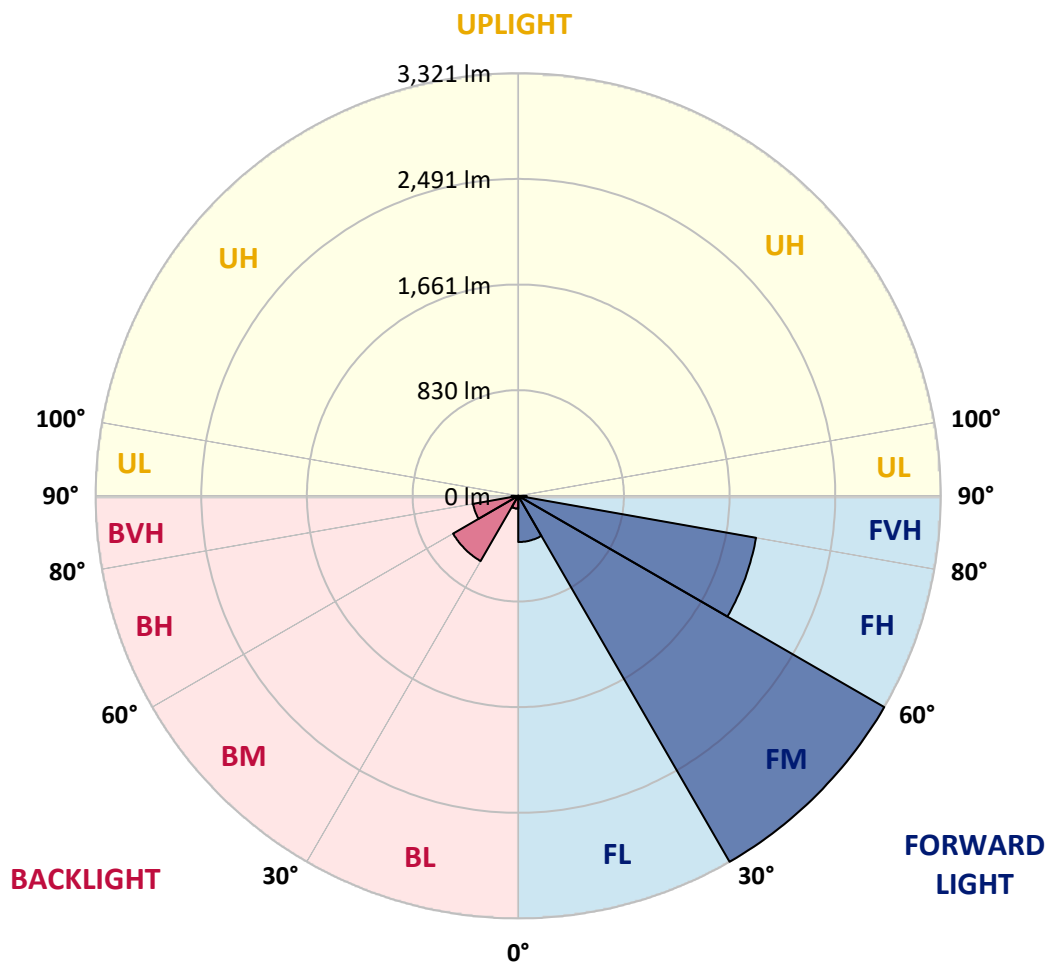
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	363.3	5.4			
FM (30°-60°)	3321.4	49.2			
FH (60°-80°)	1897.6	28.1			G2/5000
FVH (80°-90°)	65.8	1.0			G1/100
BL (0°-30°)	101.3	1.5	B0/110		
BM (30°-60°)	592.0	8.8	B1/1000		
BH (60°-80°)	360.4	5.3	B1/500		G1/500
BVH (80°-90°)	53.2	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-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	0.0	0.0	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4
5°	0.0	0.0	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4
7.5°	0.0	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
10°	33.0	30.7	23.6	14.2	7.1	2.4	2.4	2.4	2.4	2.4	2.4
12.5°	406.0	406.0	401.3	368.2	47.2	16.5	4.7	11.8	23.6	28.3	30.7
15°	460.3	455.5	455.5	450.8	439.0	101.5	44.8	354.0	323.4	313.9	240.8
17.5°	710.5	802.5	545.2	507.5	493.3	406.0	387.1	417.8	370.6	363.5	278.5
20°	1081.0	1081.0	1073.9	1062.1	573.6	790.7	743.5	479.1	486.2	585.4	554.7
22.5°	1208.5	1203.8	1180.2	1163.6	1251.0	856.8	807.2	880.4	859.2	852.1	651.4
25°	1940.2	1918.9	1885.9	1326.5	1369.0	1203.8	1199.0	1125.9	963.0	946.5	748.2
27.5°	2121.9	2105.4	2077.1	1893.0	1564.9	1581.4	1255.7	1350.1	1458.7	1468.1	1123.5
30°	3025.9	3000.0	2674.2	2098.3	1982.7	1723.0	1753.7	1711.2	1614.5	1576.7	1213.2
32.5°	3231.3	3217.1	3155.7	2738.0	2155.0	2041.7	1963.8	1888.3	2178.6	2129.0	1706.5
35°	3394.1	3368.2	3306.8	2841.8	2634.1	2372.1	2145.5	2374.5	2332.0	2284.8	1798.6
37.5°	3483.8	3455.5	3394.1	2957.5	2761.6	2490.1	2544.4	2518.5	2490.1	2471.3	1897.7
40°	3467.3	3443.7	3405.9	3033.0	2839.5	2563.3	2738.0	2697.8	2674.2	2773.4	2020.4
42.5°	3389.4	3365.8	3339.9	3070.8	2884.3	2617.6	2900.8	2955.1	3000.0	2981.1	2157.3
45°	3228.9	3207.7	3207.7	3033.0	2860.7	2662.4	3042.5	3219.5	3283.2	3212.4	2334.4
47.5°	3061.3	3044.8	3047.2	2929.2	2815.9	2704.9	3217.1	3434.3	3601.8	3516.9	2589.3
50°	2830.0	2822.9	2858.3	2830.0	2761.6	2709.6	3408.3	3790.7	4102.2	4073.9	2976.4
52.5°	2490.1	2494.9	2594.0	2657.7	2653.0	2676.6	3498.0	4132.9	4734.8	4659.3	3273.8
55°	2197.5	2180.9	2261.2	2407.5	2457.1	2620.0	3547.6	4225.0	5058.2	4985.0	3526.3
57.5°	1829.2	1831.6	1921.3	2072.4	2206.9	2487.8	3590.0	4392.6	5473.6	5388.6	3878.0
60°	1369.0	1416.2	1515.3	1668.7	1864.7	2268.3	3583.0	4621.5	5971.6	5917.3	4281.6
62.5°	894.6	911.1	1050.3	1201.4	1503.5	1985.0	3460.2	4786.7	6443.7	6344.5	4548.3
65°	521.6	552.3	616.0	760.0	1059.8	1588.5	3165.2	4753.7	6644.3	6571.1	4597.9
67.5°	351.7	356.4	387.1	469.7	663.2	1142.4	2671.9	4442.1	6599.5	6533.4	4461.0
70°	295.0	297.4	306.8	316.3	382.4	738.8	1937.8	3821.4	6231.2	6181.7	4128.2
72.5°	264.4	266.7	271.4	264.4	269.1	427.2	1272.2	3169.9	5520.8	5459.4	3575.9
75°	240.8	240.8	240.8	236.0	229.0	262.0	708.1	2433.5	4437.4	4307.6	2719.1
77.5°	210.1	210.1	207.7	207.7	205.3	195.9	347.0	1718.3	2983.4	2856.0	1605.0
80°	172.3	172.3	172.3	174.7	172.3	146.3	186.5	1033.8	1444.5	1416.2	620.8
82.5°	103.9	106.2	120.4	139.3	136.9	103.9	125.1	476.8	439.0	413.1	193.5
85°	14.2	11.8	33.0	47.2	56.6	37.8	51.9	108.6	101.5	106.2	47.2
87.5°	0.0	0.0	0.0	2.4	2.4	4.7	7.1	7.1	7.1	7.1	7.1
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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	2.4	2.4	2.4	2.4	2.4	0.0	0.0	0.0	2.4	2.4	0.0
5°	2.4	2.4	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	2.4	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	2.4	2.4	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	37.8	35.4	23.6	9.4	0.0	0.0	0.0	0.0	0.0	2.4	2.4
15°	214.8	195.9	179.4	151.1	30.7	4.7	2.4	16.5	37.8	85.0	87.3
17.5°	245.5	221.9	200.6	186.5	167.6	49.6	35.4	172.3	181.7	181.7	181.7
20°	474.4	420.1	290.3	210.1	181.7	151.1	165.2	186.5	193.5	195.9	195.9
22.5°	545.2	472.1	408.3	358.8	210.1	259.6	243.1	203.0	318.6	328.1	330.4
25°	620.8	533.4	431.9	375.3	356.4	266.7	278.5	313.9	337.5	337.5	337.5
27.5°	911.1	745.9	601.9	431.9	382.4	325.7	342.2	323.4	349.3	427.2	441.4
30°	974.8	778.9	599.5	481.5	406.0	380.0	342.2	422.5	453.2	453.2	450.8
32.5°	1331.2	1019.7	741.1	479.1	439.0	375.3	410.7	436.7	457.9	488.6	500.4
35°	1385.5	1017.3	712.8	552.3	431.9	394.2	417.8	465.0	542.9	554.7	547.6
37.5°	1428.0	998.4	670.3	526.4	465.0	410.7	429.6	509.8	545.2	540.5	531.1
40°	1477.6	972.5	623.1	507.5	448.5	410.7	457.9	507.5	521.6	500.4	495.7
42.5°	1538.9	939.4	580.6	483.9	431.9	408.3	453.2	479.1	479.1	474.4	469.7
45°	1623.9	908.7	540.5	457.9	424.9	398.9	441.4	441.4	469.7	465.0	462.6
47.5°	1772.6	878.0	505.1	436.7	415.4	387.1	410.7	427.2	460.3	457.9	455.5
50°	1933.1	845.0	476.8	422.5	406.0	372.9	375.3	413.1	450.8	448.5	446.1
52.5°	2034.6	786.0	455.5	417.8	396.5	358.8	363.5	401.3	443.7	439.0	434.3
55°	2110.1	734.1	441.4	415.4	387.1	325.7	354.0	391.8	434.3	427.2	422.5
57.5°	2214.0	691.6	431.9	420.1	380.0	302.1	342.2	382.4	424.9	417.8	417.8
60°	2315.5	656.2	422.5	422.5	377.7	290.3	332.8	375.3	415.4	413.1	413.1
62.5°	2313.1	613.7	406.0	420.1	375.3	280.9	325.7	368.2	406.0	408.3	406.0
65°	2112.5	559.4	382.4	406.0	358.8	273.8	316.3	368.2	396.5	398.9	398.9
67.5°	1857.6	490.9	344.6	382.4	330.4	269.1	309.2	361.1	380.0	391.8	391.8
70°	1567.3	403.6	297.4	349.3	302.1	264.4	309.2	349.3	361.1	384.7	382.4
72.5°	1284.0	318.6	247.8	304.5	271.4	259.6	311.6	332.8	337.5	368.2	358.8
75°	977.2	240.8	198.3	247.8	233.7	254.9	306.8	309.2	306.8	316.3	302.1
77.5°	634.9	181.7	160.5	188.8	193.5	243.1	297.4	280.9	266.7	259.6	252.6
80°	290.3	129.8	122.7	146.3	144.0	224.2	280.9	250.2	229.0	217.1	207.7
82.5°	118.0	85.0	85.0	106.2	99.1	195.9	252.6	214.8	188.8	179.4	174.7
85°	33.0	35.4	37.8	56.6	59.0	151.1	203.0	167.6	136.9	203.0	186.5
87.5°	4.7	4.7	4.7	7.1	7.1	9.4	28.3	37.8	49.6	21.2	18.9
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)