

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: P695860

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695860
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-PA16-727-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6525 lumens
Efficiency: N/A
Efficacy: 90.6 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

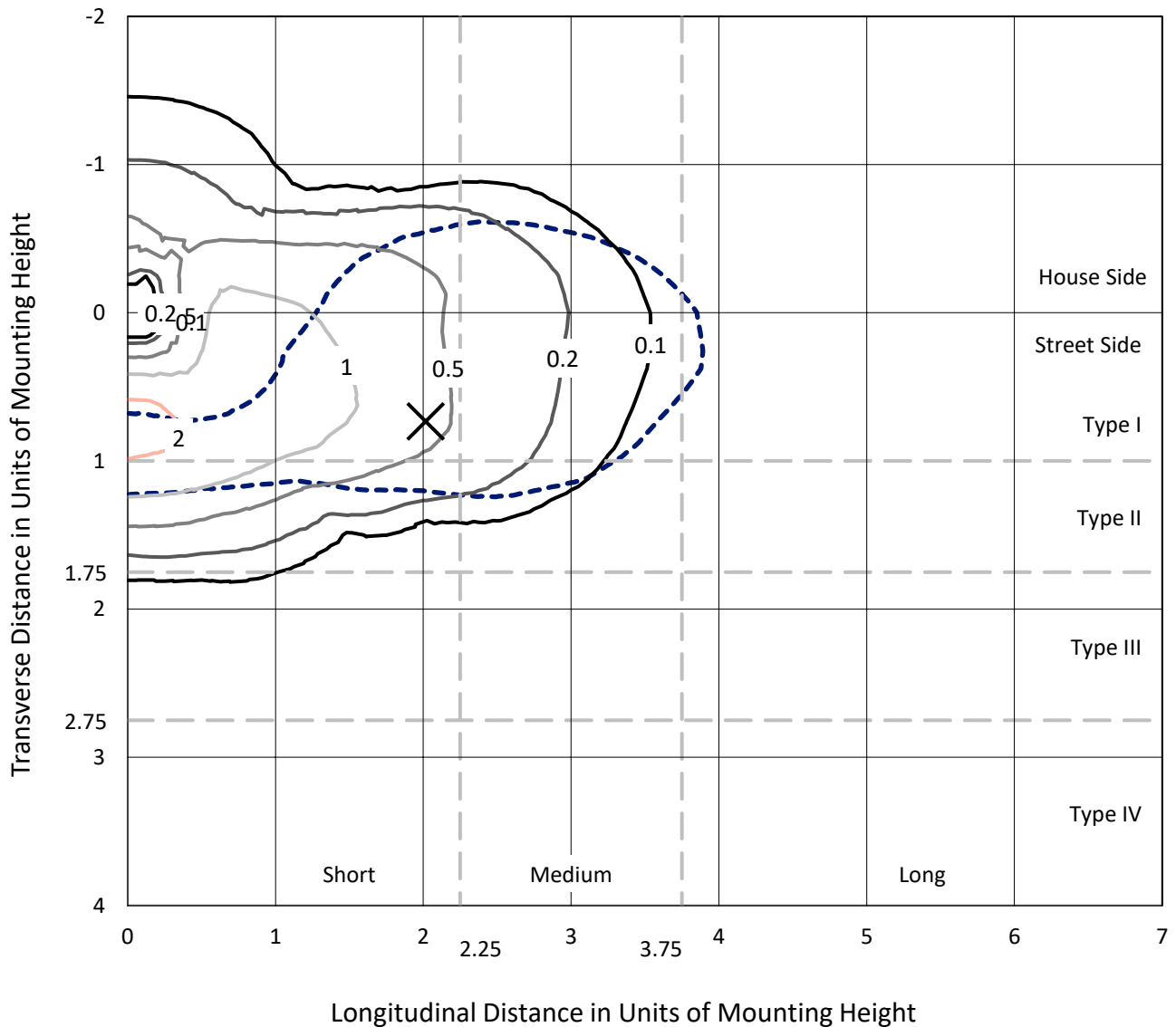
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

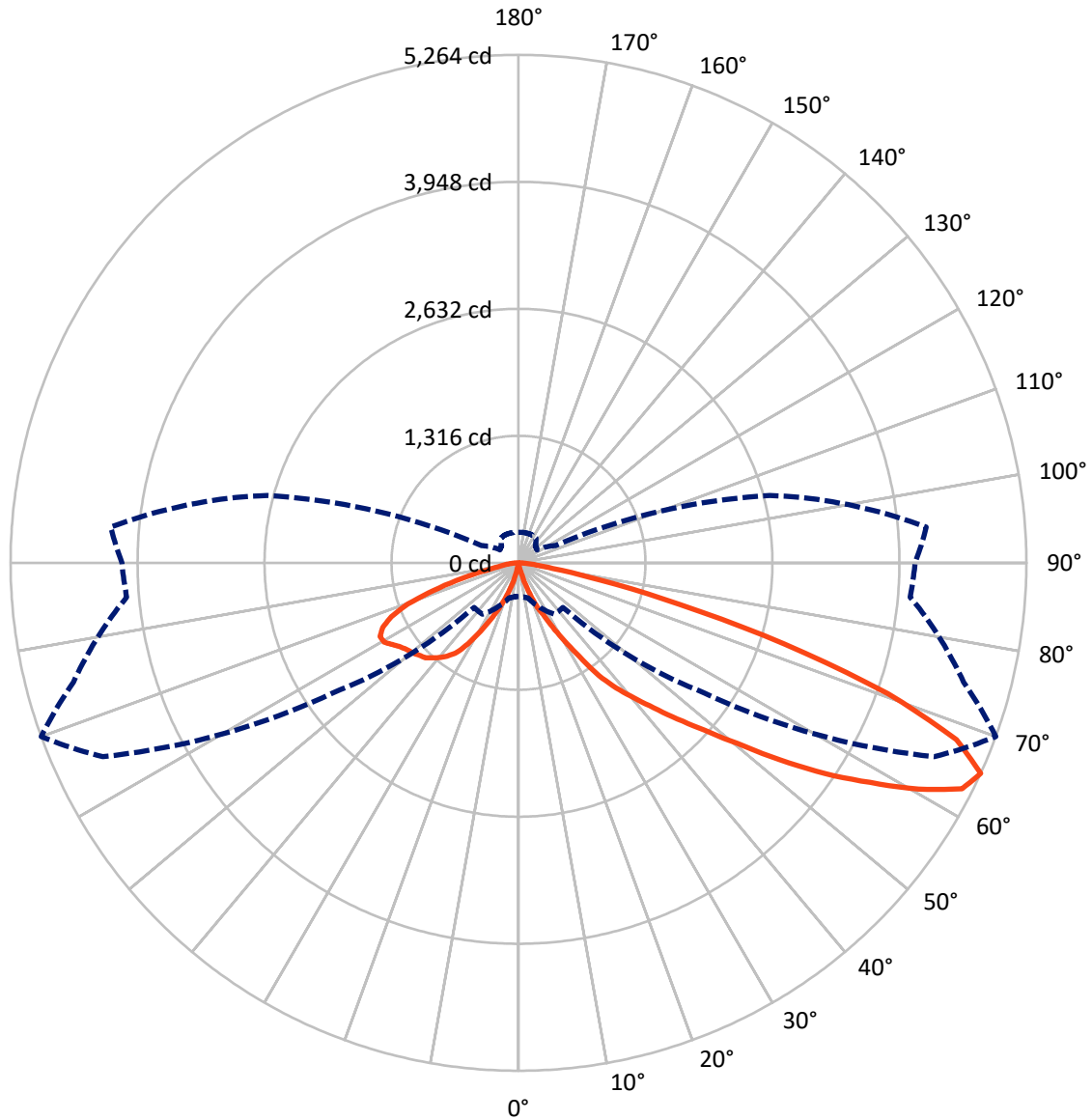
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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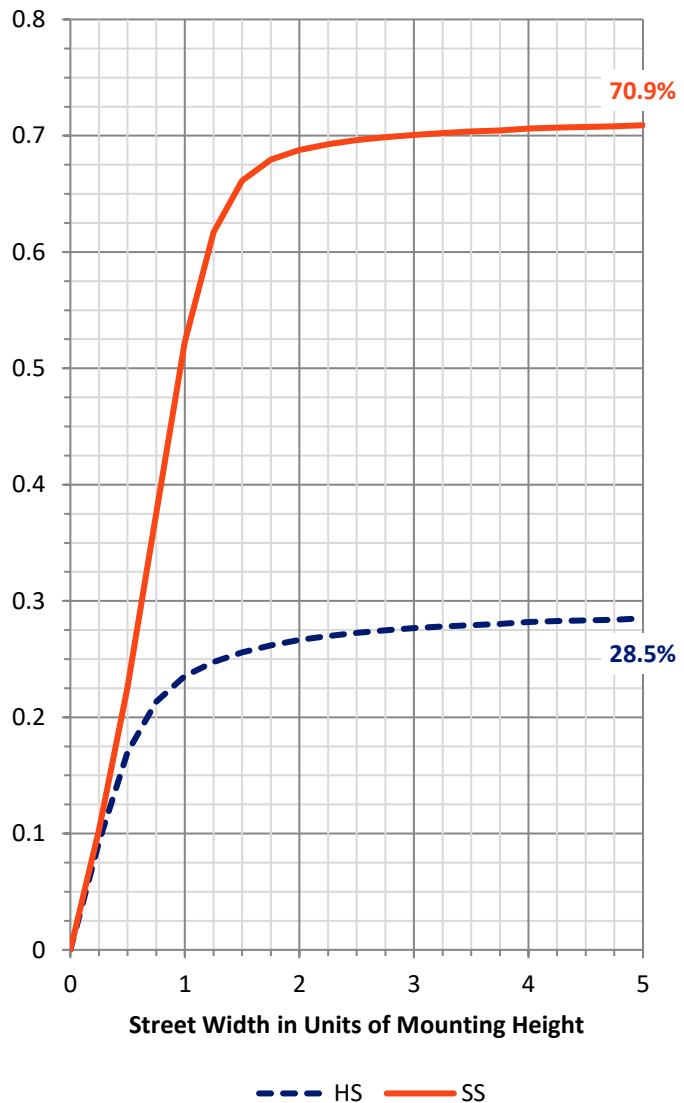
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1885.0	0.0	1885.0
	% Fixture	28.9	0.0	28.9
Street Side	Lumens	4640.0	0.0	4640.0
	% Fixture	71.1	0.0	71.1
Total	Lumens	6525.0	0.0	6525.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	47.8	0.7
20°-30°	300.8	4.6
30°-40°	800.0	12.3
40°-50°	1369.4	21.0
50°-60°	1675.3	25.7
60°-70°	1504.3	23.1
70°-80°	740.9	11.4
80°-90°	86.3	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°	6525.0	100.0
0°-180°	6525.0	100.0

Coefficient of Utilization

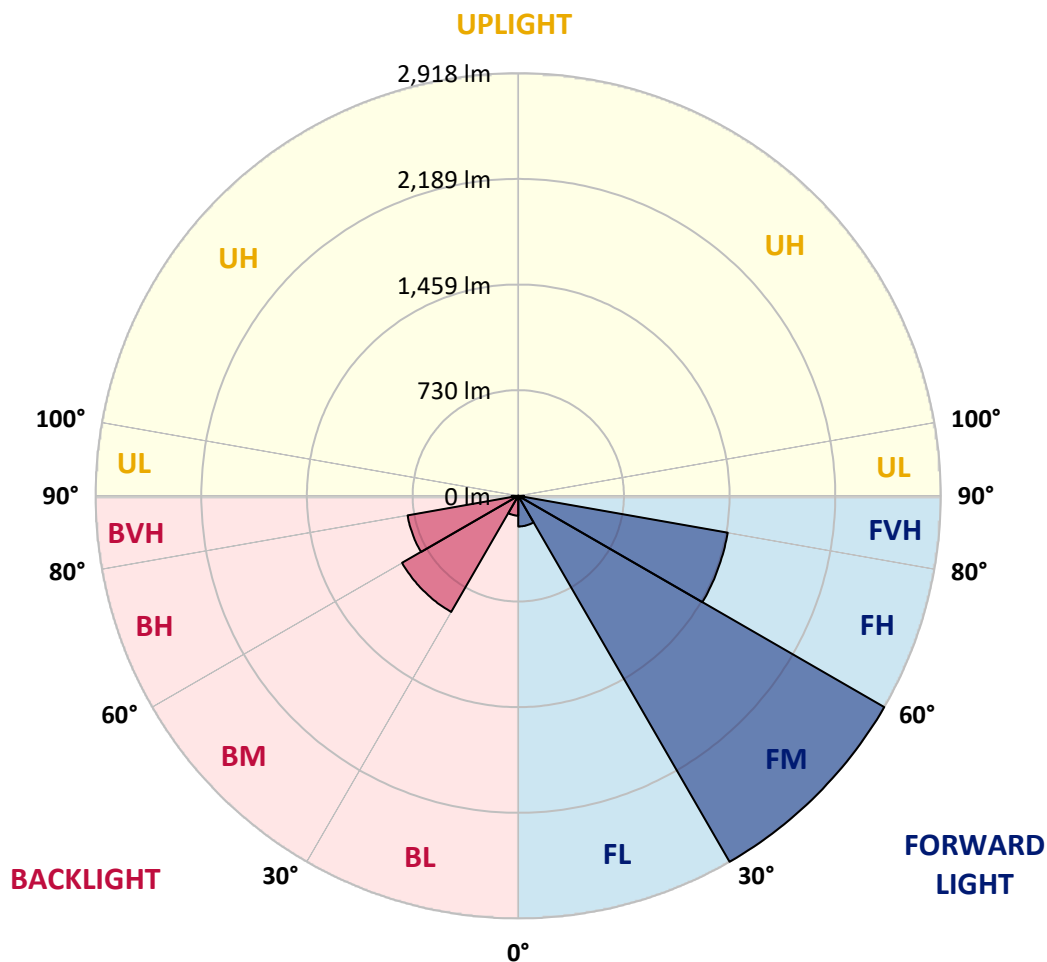


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	211.8	3.2			
FM (30°-60°)	2918.4	44.7			
FH (60°-80°)	1469.2	22.5			G1/1800
FVH (80°-90°)	40.7	0.6			G1/100
BL (0°-30°)	137.0	2.1	B1/500		
BM (30°-60°)	926.3	14.2	B1/1000		
BH (60°-80°)	776.1	11.9	B2/1000		G2/1000
BVH (80°-90°)	45.6	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0
5°	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0
7.5°	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0
10°	15.2	15.2	13.0	8.7	4.3	2.2	2.2	4.3	4.3	4.3	6.5
12.5°	195.5	197.7	191.2	132.5	26.1	8.7	8.7	26.1	67.3	91.2	102.1
15°	223.8	223.8	219.4	215.1	206.4	45.6	82.6	126.0	132.5	189.0	210.7
17.5°	306.3	291.1	258.5	243.3	234.6	249.8	184.7	234.6	241.1	245.5	260.7
20°	582.2	571.4	551.8	458.4	323.7	356.3	338.9	302.0	362.8	378.0	384.5
22.5°	695.2	684.3	664.8	621.3	569.2	412.8	458.4	419.3	506.2	527.9	523.6
25°	1177.5	1171.0	997.2	743.0	740.8	647.4	604.0	567.0	590.9	664.8	699.5
27.5°	1360.0	1357.8	1303.5	1175.3	862.5	795.1	723.4	771.2	753.9	845.1	873.3
30°	1944.4	1829.2	1625.0	1349.1	1212.3	968.9	979.8	1008.0	936.3	992.8	1064.5
32.5°	2396.3	2376.7	2250.7	1798.8	1396.9	1194.9	1194.9	1205.7	1155.8	1199.2	1279.6
35°	2806.9	2767.8	2572.2	2139.9	1772.8	1451.2	1386.1	1446.9	1433.9	1433.9	1386.1
37.5°	3067.6	3058.9	2906.8	2463.6	2050.8	1664.1	1612.0	1644.6	1646.8	1653.3	1512.1
40°	3315.2	3293.5	3200.1	2756.9	2409.3	1933.5	1831.4	1883.6	1837.9	1868.4	1672.8
42.5°	3443.4	3415.2	3360.9	3061.1	2804.7	2428.9	2131.2	2098.6	2053.0	2087.8	1866.2
45°	3458.6	3395.6	3410.8	3245.7	3128.4	2859.0	2431.0	2324.6	2307.2	2328.9	2089.9
47.5°	3245.7	3182.7	3289.2	3245.7	3315.2	3169.7	2830.8	2628.7	2591.8	2604.8	2322.4
50°	2754.7	2748.2	2898.1	3052.4	3343.5	3384.8	3326.1	2958.9	2939.4	2930.7	2587.5
52.5°	2274.6	2246.4	2378.9	2611.3	3098.0	3376.1	3730.2	3380.4	3389.1	3289.2	2852.5
55°	1733.7	1766.2	1898.8	2085.6	2565.7	3200.1	4045.2	3930.1	3858.4	3634.6	3115.4
57.5°	1058.0	1162.3	1375.2	1566.4	2050.8	2750.4	4080.0	4410.2	4295.0	3984.4	3384.8
60°	617.0	619.2	786.4	1112.3	1479.5	1970.5	3849.7	4827.3	4764.3	4353.7	3658.5
62.5°	432.3	441.0	488.8	766.9	925.5	1225.3	3265.3	5007.6	5157.5	4625.3	3932.2
65°	349.8	349.8	375.8	501.8	651.8	651.8	2350.6	4753.4	5264.0	4775.2	4075.6
67.5°	328.0	328.0	341.1	367.2	504.0	430.2	1147.1	4110.4	4896.8	4694.8	4095.2
70°	291.1	291.1	317.2	328.0	393.2	330.2	493.2	3089.3	4062.6	4277.7	3962.6
72.5°	245.5	249.8	271.6	310.7	308.5	260.7	334.6	1870.5	2878.6	3384.8	3641.1
75°	202.0	206.4	221.6	254.2	284.6	197.7	267.2	923.3	1722.8	2261.6	2919.8
77.5°	158.6	156.4	178.1	206.4	232.5	152.1	195.5	401.9	858.1	1279.6	1746.7
80°	106.5	106.5	128.2	156.4	160.8	143.4	134.7	252.0	358.5	525.7	695.2
82.5°	67.3	69.5	82.6	97.8	110.8	121.7	97.8	154.2	186.8	212.9	199.9
85°	15.2	13.0	21.7	28.2	41.3	43.5	47.8	52.1	65.2	69.5	60.8
87.5°	0.0	0.0	2.2	2.2	2.2	4.3	4.3	8.7	8.7	10.9	10.9
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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
5°	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0
7.5°	0.0	0.0	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
10°	6.5	6.5	4.3	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	106.5	104.3	97.8	30.4	8.7	2.2	0.0	2.2	4.3	6.5	8.7
15°	212.9	210.7	199.9	134.7	113.0	15.2	6.5	30.4	139.0	193.4	199.9
17.5°	260.7	262.9	252.0	247.7	180.3	115.1	121.7	228.1	239.0	243.3	243.3
20°	384.5	382.4	375.8	336.7	252.0	225.9	291.1	249.8	258.5	267.2	271.6
22.5°	521.4	517.1	508.4	406.3	354.1	360.6	317.2	336.7	451.9	458.4	460.6
25°	684.3	669.1	621.3	530.1	510.5	438.8	467.1	434.5	443.2	445.4	443.2
27.5°	849.4	832.1	721.3	667.0	608.3	460.6	480.1	443.2	497.5	554.0	554.0
30°	1023.2	990.7	862.5	812.5	688.7	554.0	469.3	491.0	501.8	499.7	499.7
32.5°	1216.6	1155.8	988.5	990.7	736.5	551.8	484.5	447.5	471.4	554.0	556.2
35°	1318.7	1240.5	1144.9	1105.8	795.1	508.4	430.2	464.9	506.2	510.5	508.4
37.5°	1420.8	1318.7	1210.1	1201.4	764.7	462.7	421.5	441.0	458.4	451.9	451.9
40°	1557.7	1438.2	1333.9	1205.7	714.8	419.3	404.1	414.9	417.1	410.6	410.6
42.5°	1729.3	1590.3	1483.8	1168.8	623.5	391.1	386.7	393.2	397.6	388.9	386.7
45°	1931.4	1768.4	1633.7	1125.4	508.4	375.8	378.0	378.0	384.5	375.8	373.7
47.5°	2161.6	1992.2	1740.2	1068.9	430.2	362.8	371.5	367.2	371.5	360.6	358.5
50°	2420.2	2229.0	1887.9	990.7	388.9	345.4	367.2	354.1	358.5	351.9	351.9
52.5°	2661.3	2496.2	2031.3	895.1	356.3	332.4	351.9	351.9	356.3	349.8	347.6
55°	2926.4	2787.3	2200.7	799.5	323.7	321.5	349.8	354.1	351.9	345.4	345.4
57.5°	3200.1	3130.6	2370.2	743.0	295.5	302.0	347.6	356.3	349.8	343.3	341.1
60°	3519.5	3560.7	2537.5	697.4	269.4	282.4	341.1	347.6	343.3	336.7	336.7
62.5°	3856.2	3997.4	2667.8	582.2	252.0	265.0	328.0	336.7	330.2	328.0	328.0
65°	4110.4	4242.9	2696.1	423.6	234.6	247.7	315.0	321.5	319.4	317.2	317.2
67.5°	4216.8	4253.8	2563.6	302.0	217.3	232.5	299.8	308.5	302.0	306.3	304.2
70°	4160.3	3971.3	2198.6	249.8	199.9	212.9	280.3	286.8	282.4	293.3	288.9
72.5°	3708.5	3321.8	1640.2	210.7	184.7	193.4	258.5	262.9	260.7	265.0	256.4
75°	2813.4	2359.3	1025.4	186.8	167.3	171.6	230.3	239.0	232.5	230.3	221.6
77.5°	1622.9	1423.0	512.7	169.5	149.9	147.7	202.0	208.6	204.2	191.2	195.5
80°	601.8	497.5	230.3	147.7	130.4	123.8	167.3	173.8	169.5	156.4	156.4
82.5°	173.8	160.8	141.2	121.7	113.0	97.8	134.7	141.2	139.0	132.5	123.8
85°	54.3	56.5	71.7	78.2	82.6	69.5	102.1	102.1	93.4	84.7	69.5
87.5°	6.5	10.9	13.0	21.7	26.1	19.6	26.1	28.2	26.1	17.4	17.4
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)