

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: P695170

Luminaire Tested: **LXF.LXT-PA16-40-750-U-T2U**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695170
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-PA16-40-750-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4909 lumens
Efficiency: N/A
Efficacy: 122.1 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

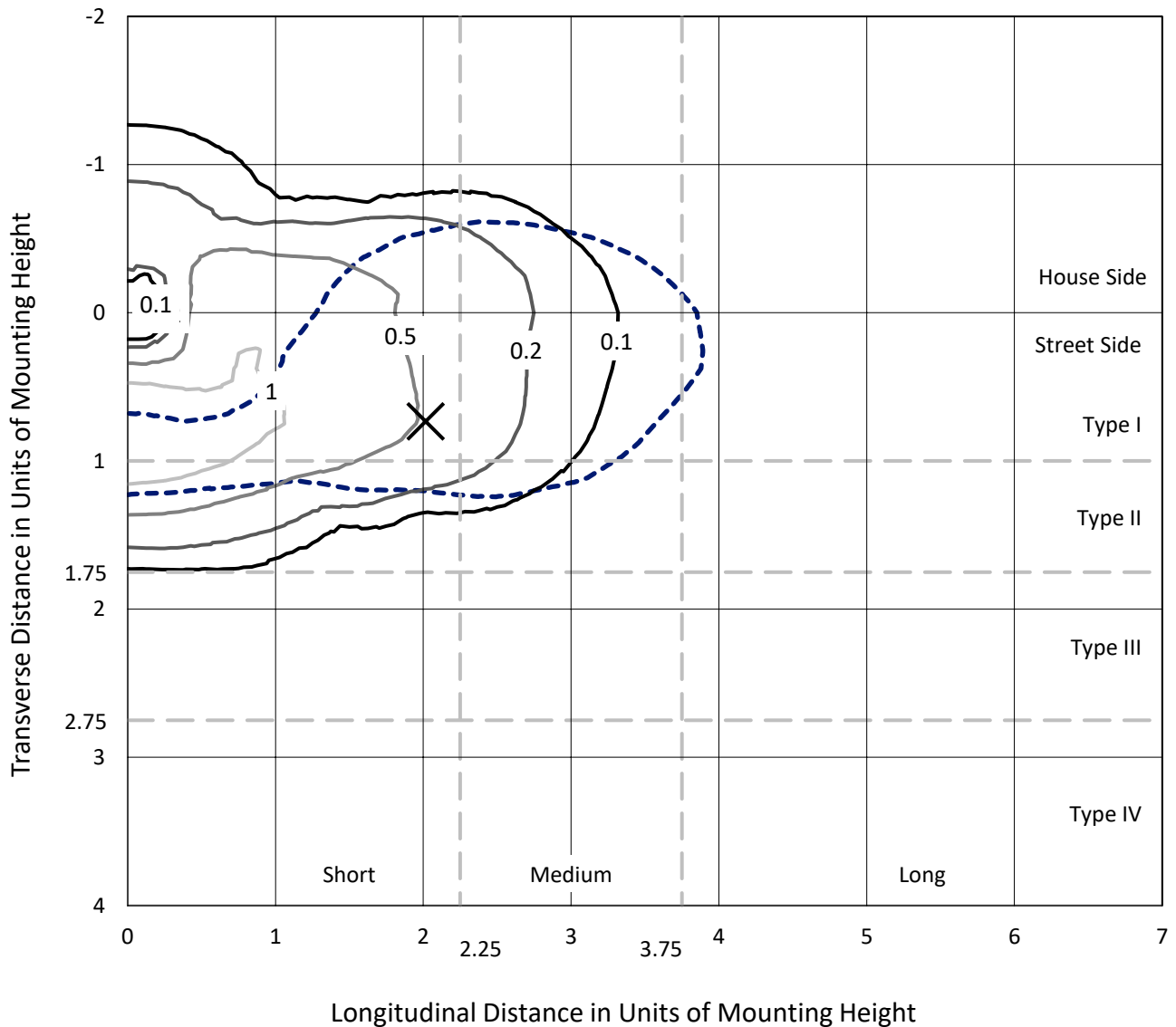
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

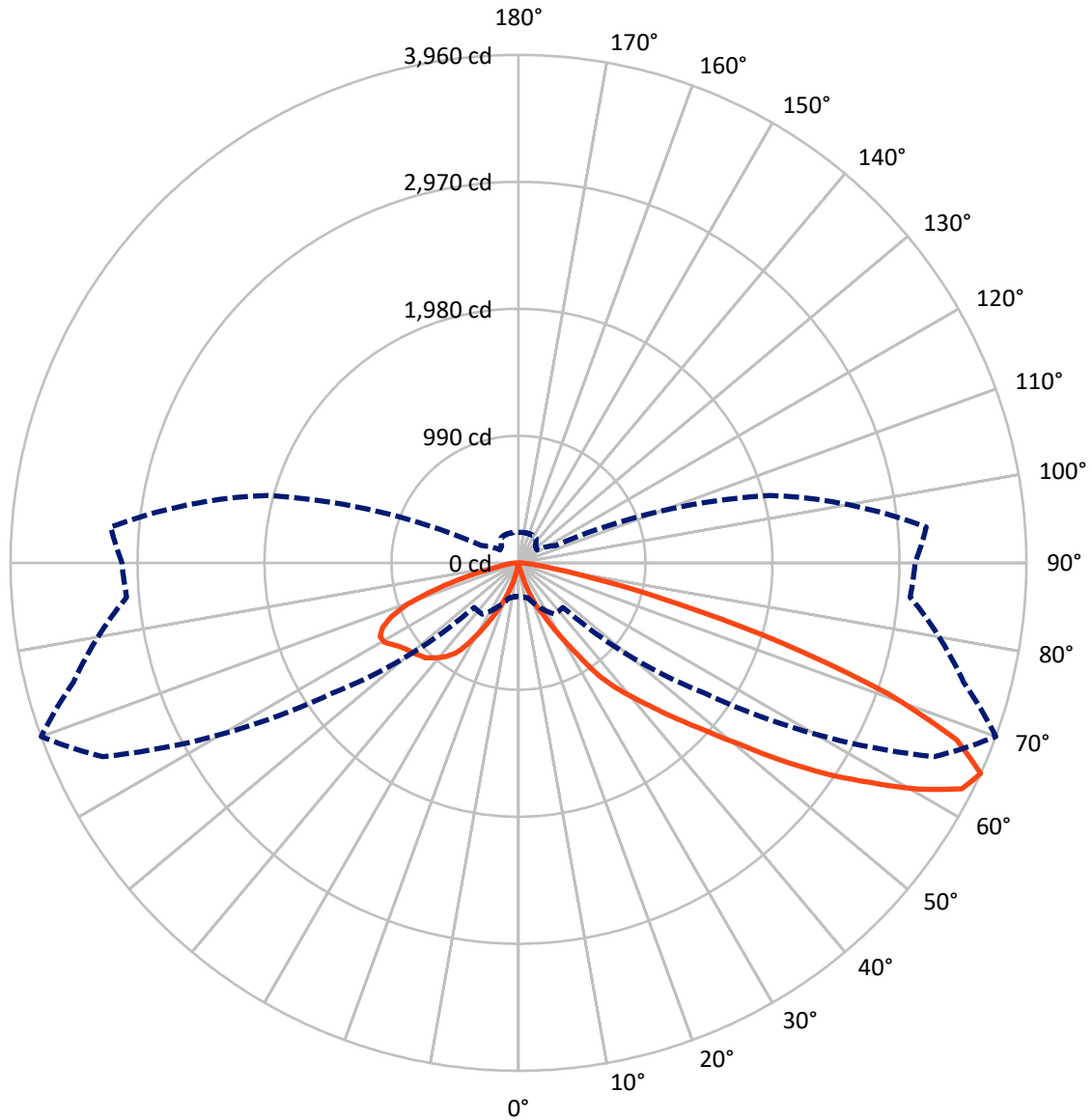
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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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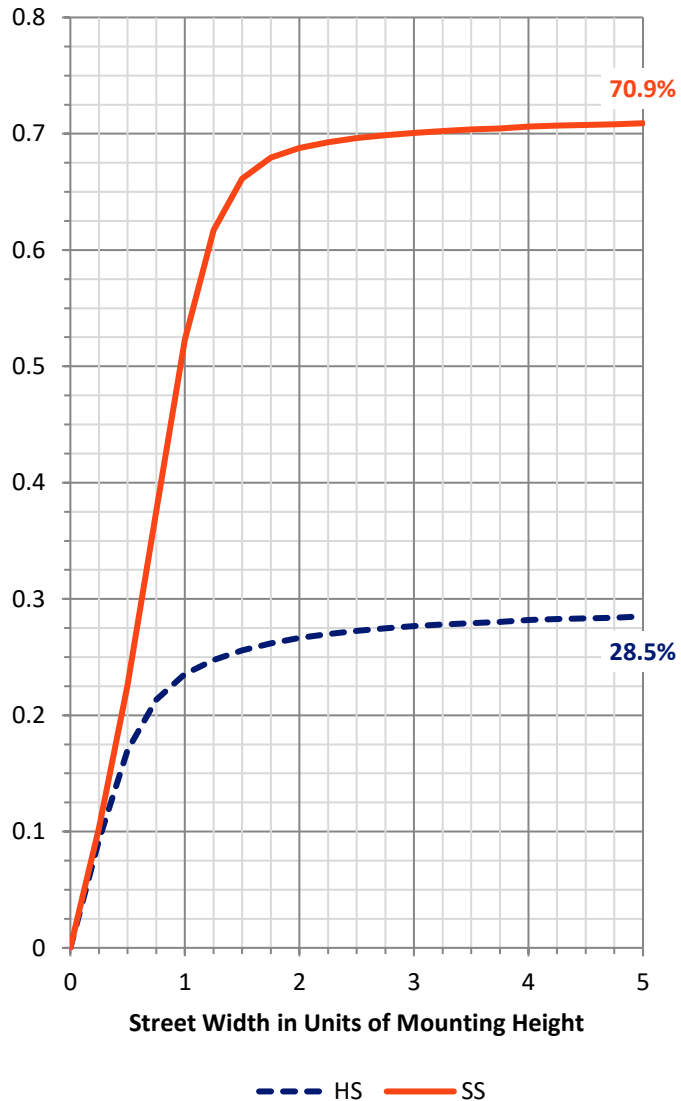
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1418.1	0.0	1418.1
	% Fixture	28.9	0.0	28.9
Street Side	Lumens	3490.9	0.0	3490.9
	% Fixture	71.1	0.0	71.1
Total	Lumens	4909.0	0.0	4909.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	36.0	0.7
20°-30°	226.3	4.6
30°-40°	601.9	12.3
40°-50°	1030.2	21.0
50°-60°	1260.4	25.7
60°-70°	1131.7	23.1
70°-80°	557.4	11.4
80°-90°	64.9	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°	4909.0	100.0
0°-180°	4909.0	100.0

Coefficient of Utilization

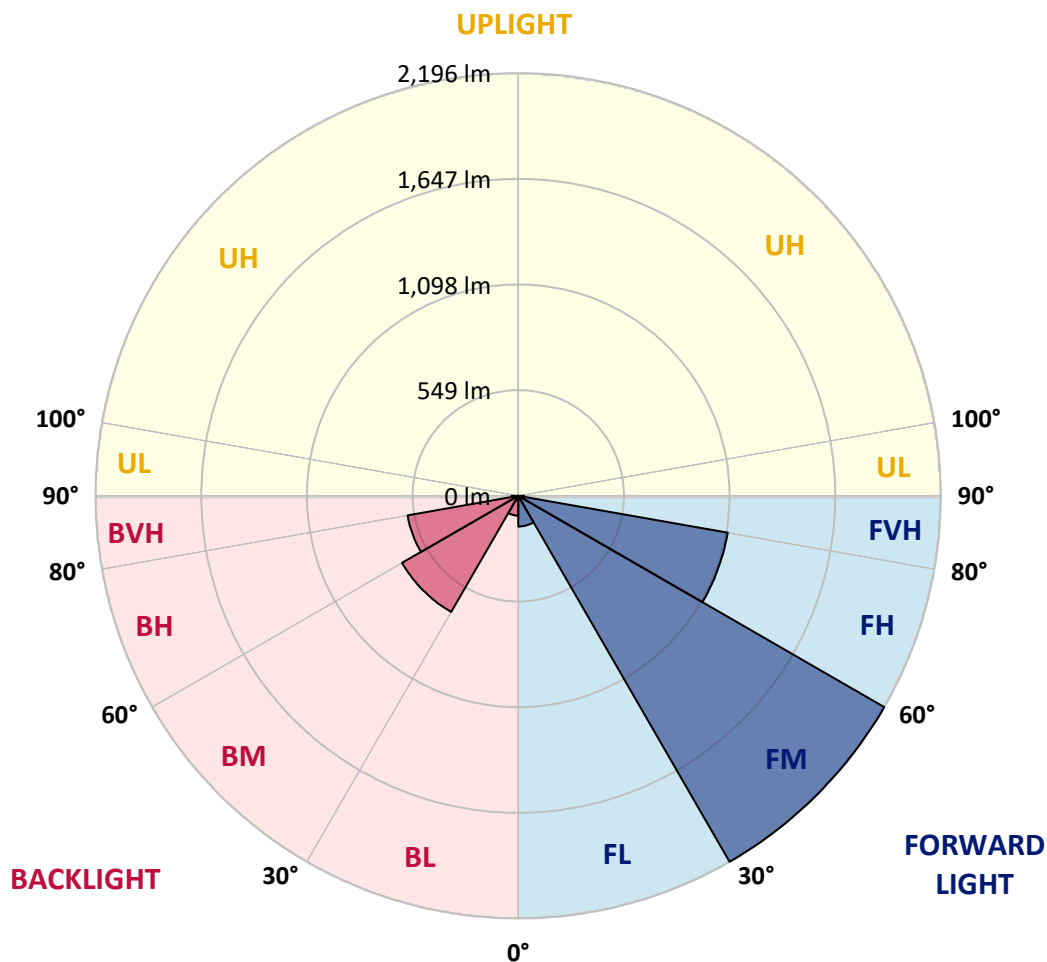


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	159.3	3.2			
FM (30°-60°)	2195.6	44.7			
FH (60°-80°)	1105.3	22.5			G1/1800
FVH (80°-90°)	30.6	0.6			G1/100
BL (0°-30°)	103.1	2.1	B0/110		
BM (30°-60°)	696.9	14.2	B1/1000		
BH (60°-80°)	583.9	11.9	B2/1000		G2/1000
BVH (80°-90°)	34.3	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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0
5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0
7.5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0
10°	11.4	11.4	9.8	6.5	3.3	1.6	1.6	3.3	3.3	3.3	4.9
12.5°	147.1	148.7	143.8	99.7	19.6	6.5	6.5	19.6	50.7	68.6	76.8
15°	168.3	168.3	165.1	161.8	155.3	34.3	62.1	94.8	99.7	142.2	158.5
17.5°	230.5	219.0	194.5	183.1	176.5	188.0	138.9	176.5	181.4	184.7	196.1
20°	438.0	429.9	415.2	344.9	243.5	268.1	255.0	227.2	273.0	284.4	289.3
22.5°	523.0	514.9	500.1	467.5	428.2	310.5	344.9	315.4	380.8	397.2	393.9
25°	885.9	881.0	750.2	559.0	557.3	487.1	454.4	426.6	444.6	500.1	526.3
27.5°	1023.2	1021.5	980.7	884.2	648.9	598.2	544.3	580.2	567.2	635.8	657.1
30°	1462.8	1376.2	1222.6	1015.0	912.0	729.0	737.1	758.4	704.4	746.9	800.9
32.5°	1802.8	1788.1	1693.3	1353.3	1051.0	899.0	899.0	907.1	869.5	902.2	962.7
35°	2111.7	2082.3	1935.2	1609.9	1333.7	1091.8	1042.8	1088.5	1078.7	1078.7	1042.8
37.5°	2307.8	2301.3	2186.9	1853.5	1542.9	1252.0	1212.8	1237.3	1238.9	1243.8	1137.6
40°	2494.2	2477.8	2407.6	2074.1	1812.6	1454.7	1377.8	1417.1	1382.7	1405.6	1258.5
42.5°	2590.6	2569.4	2528.5	2302.9	2110.1	1827.3	1603.4	1578.9	1544.6	1570.7	1404.0
45°	2602.1	2554.7	2566.1	2441.9	2353.6	2150.9	1829.0	1748.9	1735.8	1752.1	1572.3
47.5°	2441.9	2394.5	2474.6	2441.9	2494.2	2384.7	2129.7	1977.7	1949.9	1959.7	1747.2
50°	2072.5	2067.6	2180.4	2296.4	2515.4	2546.5	2502.4	2226.1	2211.4	2204.9	1946.6
52.5°	1711.3	1690.0	1789.7	1964.6	2330.7	2539.9	2806.4	2543.2	2549.7	2474.6	2146.0
55°	1304.3	1328.8	1428.5	1569.1	1930.3	2407.6	3043.4	2956.7	2902.8	2734.4	2343.8
57.5°	796.0	874.4	1034.6	1178.4	1542.9	2069.2	3069.5	3317.9	3231.3	2997.6	2546.5
60°	464.2	465.8	591.7	836.8	1113.1	1482.5	2896.3	3631.8	3584.4	3275.4	2752.4
62.5°	325.3	331.8	367.8	577.0	696.3	921.8	2456.6	3767.4	3880.2	3479.8	2958.4
65°	263.1	263.1	282.8	377.6	490.3	490.3	1768.5	3576.2	3960.3	3592.5	3066.2
67.5°	246.8	246.8	256.6	276.2	379.2	323.6	863.0	3092.4	3684.1	3532.1	3080.9
70°	219.0	219.0	238.6	246.8	295.8	248.4	371.0	2324.2	3056.4	3218.2	2981.2
72.5°	184.7	188.0	204.3	233.7	232.1	196.1	251.7	1407.3	2165.7	2546.5	2739.3
75°	152.0	155.3	166.7	191.2	214.1	148.7	201.0	694.6	1296.1	1701.5	2196.7
77.5°	119.3	117.7	134.0	155.3	174.9	114.4	147.1	302.4	645.6	962.7	1314.1
80°	80.1	80.1	96.4	117.7	120.9	107.9	101.3	189.6	269.7	395.5	523.0
82.5°	50.7	52.3	62.1	73.6	83.4	91.5	73.6	116.0	140.6	160.2	150.4
85°	11.4	9.8	16.3	21.2	31.1	32.7	36.0	39.2	49.0	52.3	45.8
87.5°	0.0	0.0	1.6	1.6	1.6	3.3	3.3	6.5	6.5	8.2	8.2
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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0
7.5°	0.0	0.0	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
10°	4.9	4.9	3.3	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	80.1	78.5	73.6	22.9	6.5	1.6	0.0	1.6	3.3	4.9	6.5
15°	160.2	158.5	150.4	101.3	85.0	11.4	4.9	22.9	104.6	145.5	150.4
17.5°	196.1	197.8	189.6	186.3	135.7	86.6	91.5	171.6	179.8	183.1	183.1
20°	289.3	287.7	282.8	253.3	189.6	170.0	219.0	188.0	194.5	201.0	204.3
22.5°	392.3	389.0	382.5	305.6	266.4	271.3	238.6	253.3	340.0	344.9	346.5
25°	514.9	503.4	467.5	398.8	384.1	330.2	351.4	326.9	333.4	335.1	333.4
27.5°	639.1	626.0	542.6	501.8	457.6	346.5	361.2	333.4	374.3	416.8	416.8
30°	769.8	745.3	648.9	611.3	518.1	416.8	353.0	369.4	377.6	375.9	375.9
32.5°	915.3	869.5	743.7	745.3	554.1	415.2	364.5	336.7	354.7	416.8	418.4
35°	992.1	933.3	861.4	831.9	598.2	382.5	323.6	349.8	380.8	384.1	382.5
37.5°	1068.9	992.1	910.4	903.9	575.3	348.1	317.1	331.8	344.9	340.0	340.0
40°	1171.9	1082.0	1003.6	907.1	537.7	315.4	304.0	312.2	313.8	308.9	308.9
42.5°	1301.0	1196.4	1116.3	879.3	469.1	294.2	290.9	295.8	299.1	292.6	290.9
45°	1453.0	1330.4	1229.1	846.6	382.5	282.8	284.4	284.4	289.3	282.8	281.1
47.5°	1626.3	1498.8	1309.2	804.2	323.6	273.0	279.5	276.2	279.5	271.3	269.7
50°	1820.8	1677.0	1420.3	745.3	292.6	259.9	276.2	266.4	269.7	264.8	264.8
52.5°	2002.2	1878.0	1528.2	673.4	268.1	250.1	264.8	264.8	268.1	263.1	261.5
55°	2201.6	2097.0	1655.7	601.5	243.5	241.9	263.1	266.4	264.8	259.9	259.9
57.5°	2407.6	2355.2	1783.2	559.0	222.3	227.2	261.5	268.1	263.1	258.2	256.6
60°	2647.8	2678.9	1909.0	524.7	202.7	212.5	256.6	261.5	258.2	253.3	253.3
62.5°	2901.2	3007.4	2007.1	438.0	189.6	199.4	246.8	253.3	248.4	246.8	246.8
65°	3092.4	3192.1	2028.4	318.7	176.5	186.3	237.0	241.9	240.3	238.6	238.6
67.5°	3172.5	3200.3	1928.7	227.2	163.4	174.9	225.6	232.1	227.2	230.5	228.8
70°	3130.0	2987.8	1654.1	188.0	150.4	160.2	210.8	215.7	212.5	220.7	217.4
72.5°	2790.0	2499.1	1234.0	158.5	138.9	145.5	194.5	197.8	196.1	199.4	192.9
75°	2116.6	1775.0	771.5	140.6	125.9	129.1	173.3	179.8	174.9	173.3	166.7
77.5°	1220.9	1070.6	385.7	127.5	112.8	111.1	152.0	156.9	153.6	143.8	147.1
80°	452.7	374.3	173.3	111.1	98.1	93.2	125.9	130.8	127.5	117.7	117.7
82.5°	130.8	120.9	106.2	91.5	85.0	73.6	101.3	106.2	104.6	99.7	93.2
85°	40.9	42.5	53.9	58.8	62.1	52.3	76.8	76.8	70.3	63.7	52.3
87.5°	4.9	8.2	9.8	16.3	19.6	14.7	19.6	21.2	19.6	13.1	13.1
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)