

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: P416110

Luminaire Tested: **LXF.LXT-PA1-60-827-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416110
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-827-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5530 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

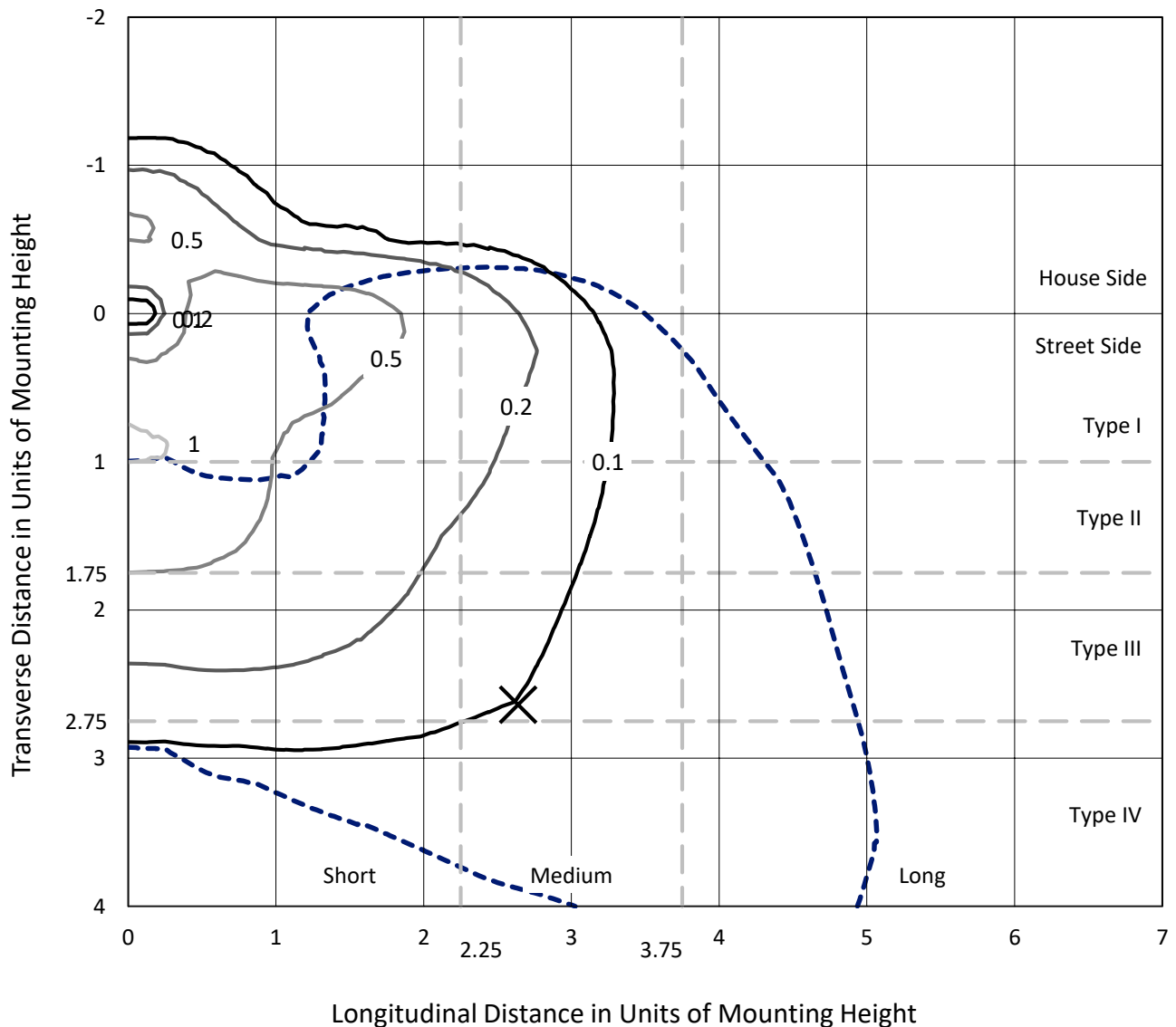
Input Watts (W): 64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416110
 CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

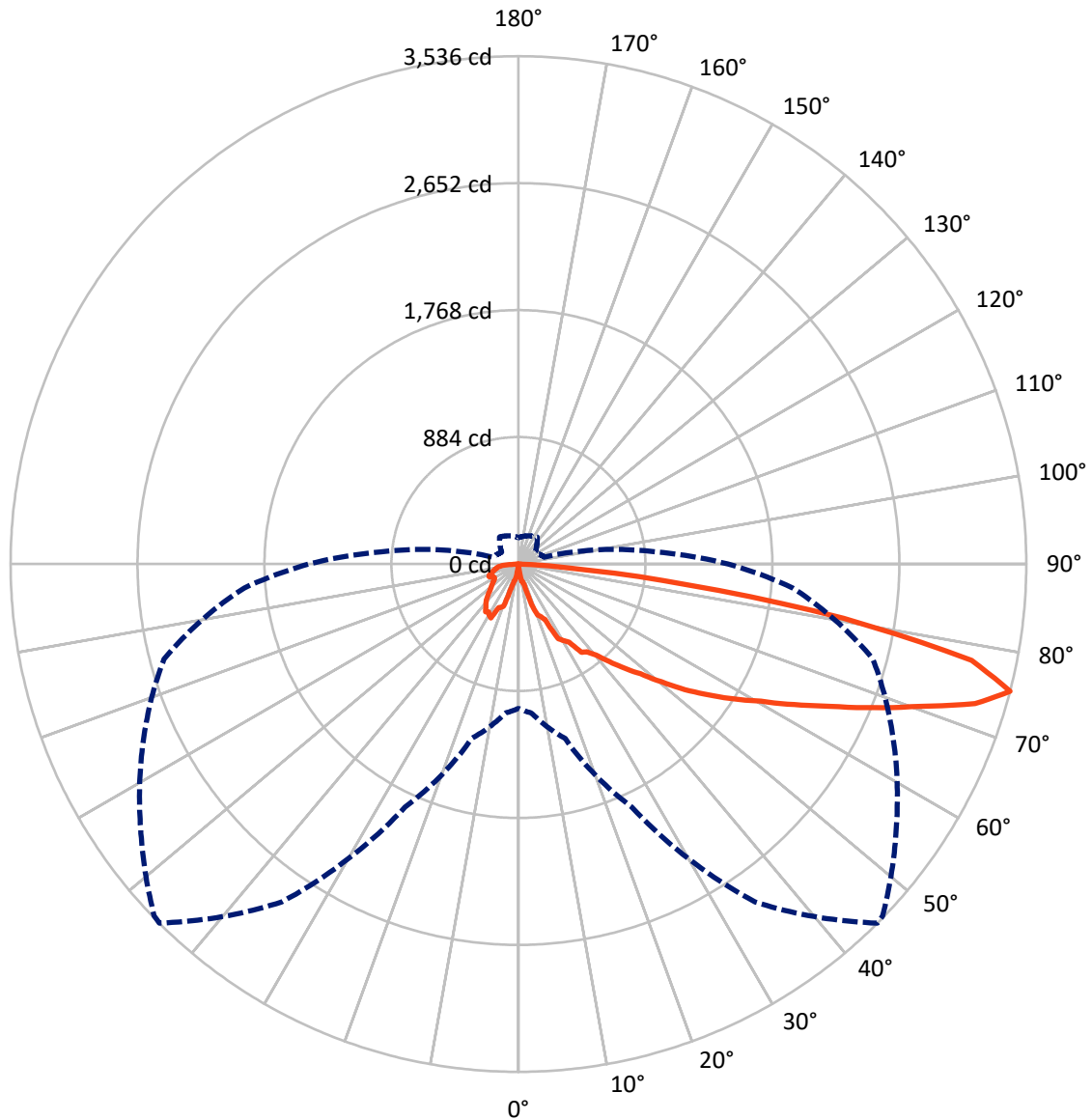
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416110
CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T4W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P416110

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T4W

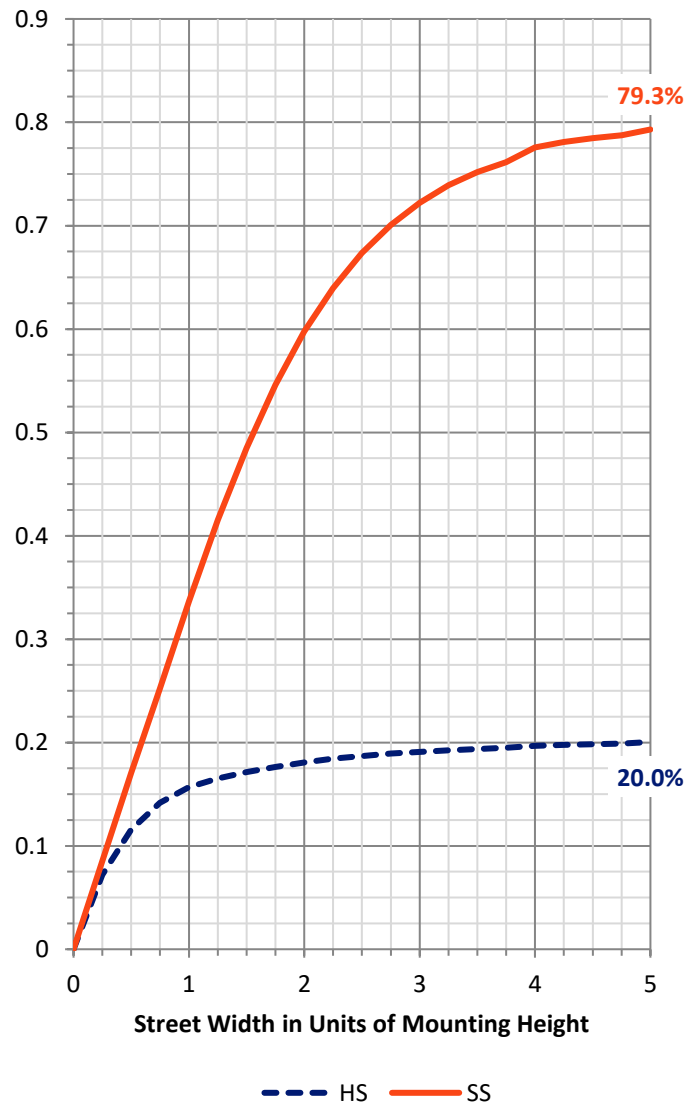
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1134.2	0.0	1134.2
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	4395.8	0.0	4395.8
	% Fixture	79.5	0.0	79.5
Total	Lumens	5530.0	0.0	5530.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.1
10°-20°	57.1	1.0
20°-30°	212.5	3.8
30°-40°	437.8	7.9
40°-50°	694.2	12.6
50°-60°	1097.4	19.8
60°-70°	1541.7	27.9
70°-80°	1283.4	23.2
80°-90°	202.4	3.7
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°	5530.0	100.0
0°-180°	5530.0	100.0

Coefficient of Utilization



REPORT NUMBER: P416110

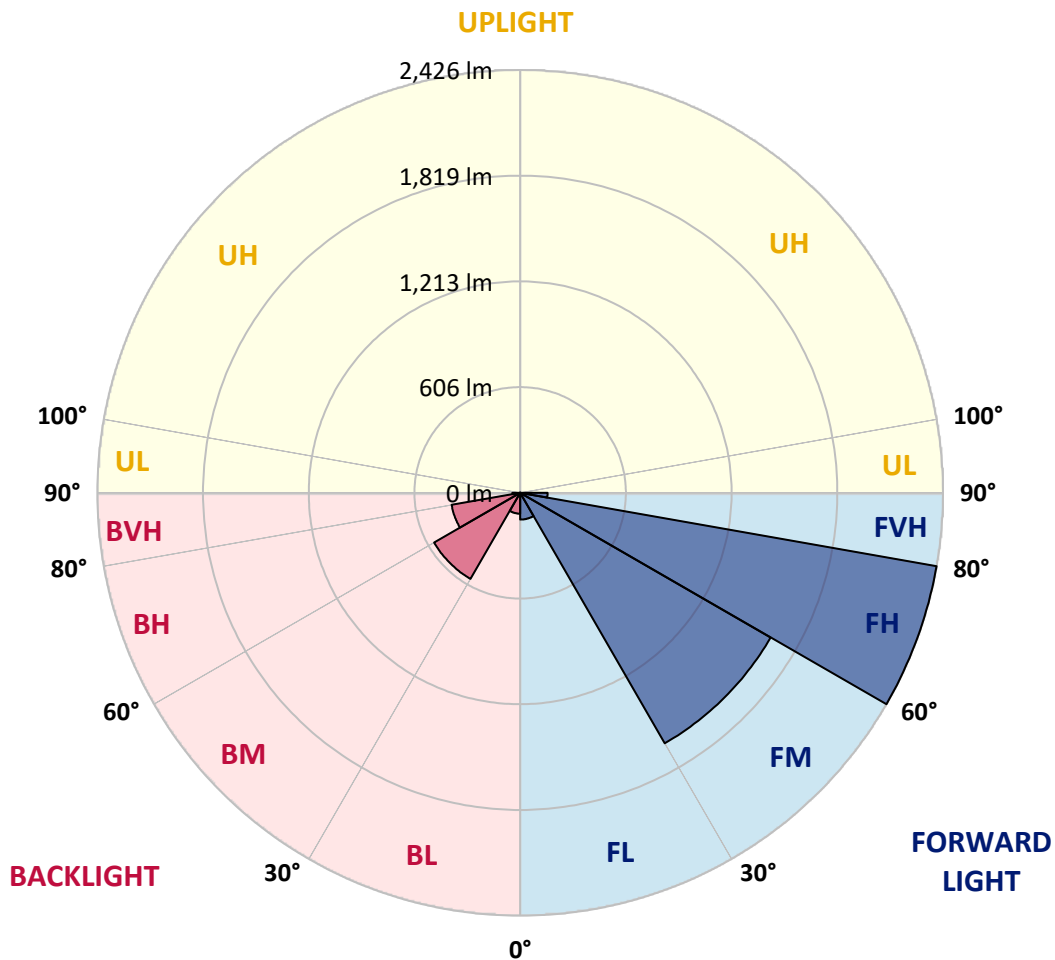
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	153.5	2.8			
FM	(30°-60°)	1659.3	30.0			
FH	(60°-80°)	2425.8	43.9			G2/5000
FVH	(80°-90°)	157.1	2.8			G2/225
BL	(0°-30°)	119.7	2.2	B1/500		
BM	(30°-60°)	570.0	10.3	B1/1000		
BH	(60°-80°)	399.3	7.2	B1/500		G1/500
BVH	(80°-90°)	45.2	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 IV Medium





REPORT NUMBER: P416110

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	3.0	3.0	3.0	3.0	3.0	2.4	2.4	1.8	2.4	2.4	2.4
5°	42.6	40.2	31.8	28.2	23.4	9.6	7.8	3.6	3.0	3.0	2.4
7.5°	126.5	125.3	123.5	119.3	114.0	71.4	61.8	22.2	4.2	3.0	2.4
10°	139.7	137.3	134.3	130.1	125.3	119.3	118.7	109.2	19.8	6.6	5.4
12.5°	274.7	269.9	225.5	163.1	134.9	127.7	127.7	123.5	89.4	31.2	73.2
15°	295.1	292.7	284.3	273.5	257.3	148.1	145.1	193.1	238.1	166.7	176.9
17.5°	331.7	326.3	300.5	287.3	275.3	298.7	296.9	276.5	260.9	184.7	198.5
20°	462.4	459.4	448.6	321.5	296.3	377.8	379.0	313.7	283.7	326.9	324.5
22.5°	473.2	472.6	464.8	445.6	469.6	396.4	397.0	416.8	414.4	433.6	393.4
25°	618.9	617.1	500.8	459.4	512.8	427.0	446.2	517.0	461.8	470.2	491.2
27.5°	635.1	633.9	627.3	598.5	530.8	588.4	588.4	534.4	588.4	615.9	619.5
30°	722.1	699.3	653.1	639.3	618.3	617.7	619.5	618.9	680.7	644.7	680.7
32.5°	849.2	844.4	827.6	693.3	687.3	647.7	668.1	714.9	710.7	819.9	866.6
35°	1032.8	967.4	908.0	800.1	713.7	754.5	757.5	741.3	827.6	862.4	928.4
37.5°	1288.9	1270.9	1186.9	900.8	795.3	775.5	777.3	830.0	879.8	918.2	992.0
40°	1475.4	1465.8	1407.6	1102.9	872.0	832.4	836.6	870.8	917.0	985.4	1062.1
42.5°	1654.1	1654.1	1619.9	1275.7	1037.0	929.6	926.6	933.8	966.8	1038.8	1165.9
45°	1770.4	1763.9	1792.6	1438.2	1159.9	1034.0	1022.6	1020.8	1032.8	1117.9	1305.0
47.5°	1887.4	1869.4	1897.0	1602.5	1320.6	1141.9	1143.1	1120.9	1137.1	1267.9	1495.2
50°	2010.9	2014.5	2010.9	1741.1	1478.4	1288.9	1278.7	1250.5	1282.9	1443.6	1708.1
52.5°	2187.3	2174.7	2139.3	1917.4	1679.9	1452.0	1435.8	1395.0	1471.2	1650.5	1974.4
55°	2315.6	2303.6	2294.0	2106.3	1834.6	1609.7	1600.1	1555.1	1697.9	1859.2	2249.0
57.5°	2455.4	2441.0	2468.6	2364.2	2077.5	1774.6	1762.1	1734.5	1930.6	2097.3	2528.5
60°	2549.5	2550.1	2625.7	2550.1	2280.2	1939.6	1927.6	1948.0	2143.5	2315.6	2830.2
62.5°	2549.5	2569.3	2735.4	2753.4	2497.3	2154.9	2133.9	2145.3	2375.0	2544.7	3077.9
65°	2307.8	2332.4	2719.8	2812.2	2715.0	2387.6	2377.4	2370.2	2593.9	2725.8	3272.2
67.5°	2061.3	2091.9	2483.5	2815.2	2893.2	2670.1	2632.9	2572.3	2782.8	2860.8	3376.6
70°	1890.4	1915.6	2226.9	2718.6	3008.3	2966.3	2941.8	2782.2	2909.4	2946.6	3259.0
72.5°	1612.7	1615.1	1892.2	2514.7	3085.7	3324.4	3266.8	3014.9	2980.7	2890.8	2763.6
75°	1005.2	1041.8	1257.7	1866.4	2872.2	3535.5	3524.7	3210.4	2878.8	2554.3	1916.2
77.5°	374.2	395.8	526.0	958.4	2055.3	3224.8	3234.4	2998.1	2435.0	1850.8	1029.2
80°	121.7	130.7	173.9	308.9	912.8	2295.2	2370.2	2126.7	1493.4	940.4	433.6
82.5°	67.8	65.4	100.8	160.1	389.8	1189.3	1238.5	1022.6	704.1	393.4	161.9
85°	31.2	32.4	48.0	87.0	208.1	331.7	358.0	349.7	266.9	161.9	59.4
87.5°	6.6	7.8	10.8	20.4	32.4	28.2	20.4	36.0	52.2	38.4	10.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P416110

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	2.4	2.4	1.8	1.8	1.2	1.2	0.6	0.6	1.2	1.2	1.2
5°	2.4	2.4	1.8	1.8	1.8	1.8	2.4	4.2	4.8	5.4	4.8
7.5°	2.4	2.4	2.4	2.4	3.0	6.0	28.2	86.4	91.8	93.6	96.0
10°	5.4	4.8	4.8	5.4	18.6	90.6	109.2	115.2	118.1	119.9	119.3
12.5°	83.4	82.8	30.6	18.6	87.0	114.6	117.6	121.1	127.1	133.1	130.7
15°	176.3	175.7	161.9	167.9	169.1	124.7	127.1	208.1	221.9	230.9	233.9
17.5°	191.9	193.7	188.3	232.1	237.5	188.9	211.7	232.1	236.9	239.9	240.5
20°	356.2	320.3	274.1	259.7	253.1	311.9	236.3	238.7	308.3	330.5	332.9
22.5°	391.6	388.6	363.4	374.2	316.1	325.1	305.9	322.7	353.9	360.4	360.4
25°	505.6	500.2	415.0	389.8	401.2	334.1	386.2	351.5	362.8	374.8	376.0
27.5°	621.3	614.7	554.2	438.4	397.6	421.6	392.2	424.0	458.8	475.6	476.2
30°	675.3	666.3	578.2	494.2	413.8	412.6	412.0	469.0	466.0	476.8	479.8
32.5°	897.2	882.8	738.9	485.8	429.4	392.2	437.2	456.4	524.8	558.4	562.0
35°	951.2	933.2	742.5	537.4	405.4	404.2	405.4	468.4	505.6	529.6	535.0
37.5°	1013.0	988.4	734.1	503.8	415.0	376.6	385.6	422.8	503.8	557.8	562.0
40°	1089.7	1052.0	731.7	470.2	386.8	356.2	354.4	404.2	440.2	473.2	476.2
42.5°	1195.9	1135.3	728.1	435.4	353.9	331.7	334.7	356.2	385.0	382.0	386.8
45°	1336.8	1239.1	722.1	404.8	320.3	301.1	299.3	314.9	328.1	308.9	303.5
47.5°	1513.2	1367.4	731.7	375.4	289.1	271.1	271.7	278.3	280.7	259.7	254.9
50°	1713.5	1512.6	741.9	343.1	263.9	250.1	247.1	249.5	245.9	225.5	223.7
52.5°	1952.2	1682.9	747.3	312.5	243.5	232.7	229.1	227.3	221.9	208.1	206.3
55°	2228.7	1887.4	758.7	287.9	226.7	216.5	214.7	212.3	210.5	202.7	201.5
57.5°	2511.7	2112.9	752.1	262.7	210.5	201.5	205.1	209.3	214.1	211.1	210.5
60°	2771.4	2292.8	670.5	240.5	194.9	192.5	208.1	227.9	231.5	234.5	233.9
62.5°	2965.7	2383.4	532.0	221.3	184.1	193.1	230.9	258.5	254.9	247.1	245.3
65°	3034.1	2358.2	409.6	206.9	178.7	209.3	254.9	269.3	248.9	234.5	231.5
67.5°	2988.5	2234.1	317.3	194.9	175.7	223.1	263.3	259.1	235.7	224.9	220.7
70°	2755.2	1975.6	251.9	184.7	172.7	214.7	259.1	247.1	224.9	215.3	208.7
72.5°	2254.4	1562.3	215.9	173.3	160.1	197.3	245.9	230.9	215.3	202.7	196.7
75°	1458.0	960.8	187.7	160.1	143.3	178.7	229.1	215.3	202.1	189.5	183.5
77.5°	701.7	436.6	164.3	143.9	127.7	164.9	215.3	199.1	185.9	173.3	166.1
80°	295.7	206.3	140.3	127.7	116.4	154.7	200.3	181.7	166.7	157.7	149.9
82.5°	143.9	114.0	106.8	103.8	101.4	140.9	184.1	161.3	145.7	137.3	119.9
85°	48.6	49.2	66.0	64.2	71.4	112.8	150.5	122.3	109.2	94.8	88.8
87.5°	4.8	6.6	9.0	11.4	23.4	31.2	51.6	42.0	33.0	12.6	8.4
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)