

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: P416162

Luminaire Tested: **LXF.LXT-PA1-60-830-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416162
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-PA1-60-830-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 5977 lumens
Efficiency: N/A
Efficacy: 93.4 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

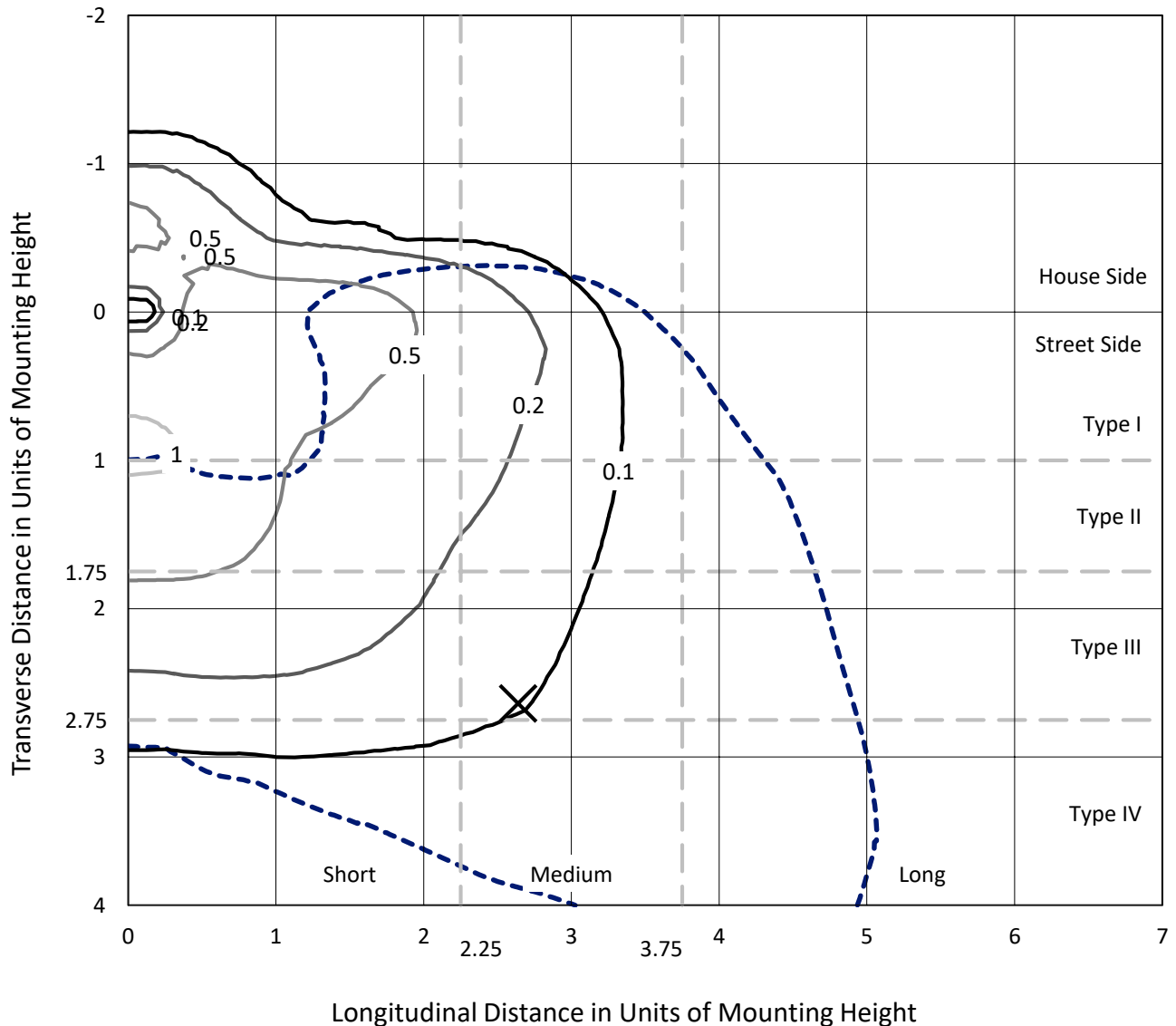
Input Watts (W): 64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

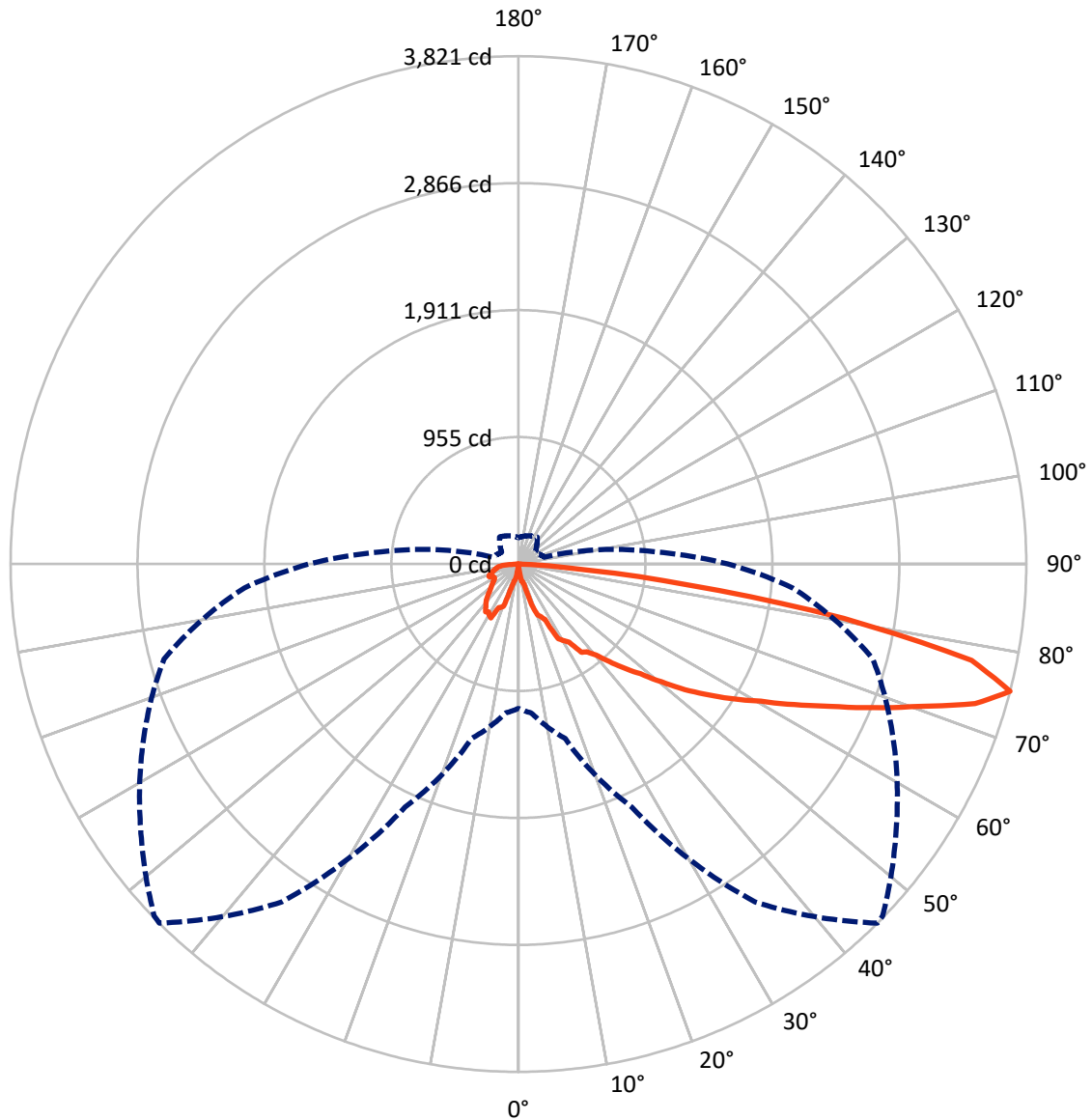
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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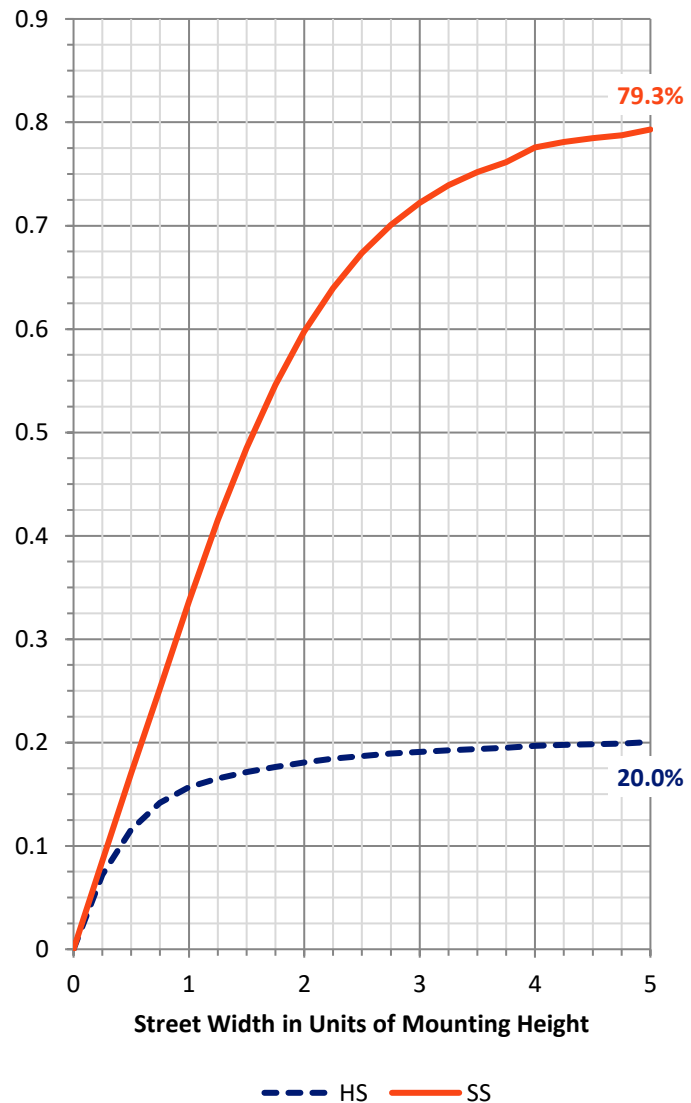
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1225.9	0.0	1225.9
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	4751.1	0.0	4751.1
	% Fixture	79.5	0.0	79.5
Total	Lumens	5977.0	0.0	5977.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	61.7	1.0
20°-30°	229.7	3.8
30°-40°	473.2	7.9
40°-50°	750.3	12.6
50°-60°	1186.0	19.8
60°-70°	1666.3	27.9
70°-80°	1387.2	23.2
80°-90°	218.7	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°	5977.0	100.0
0°-180°	5977.0	100.0



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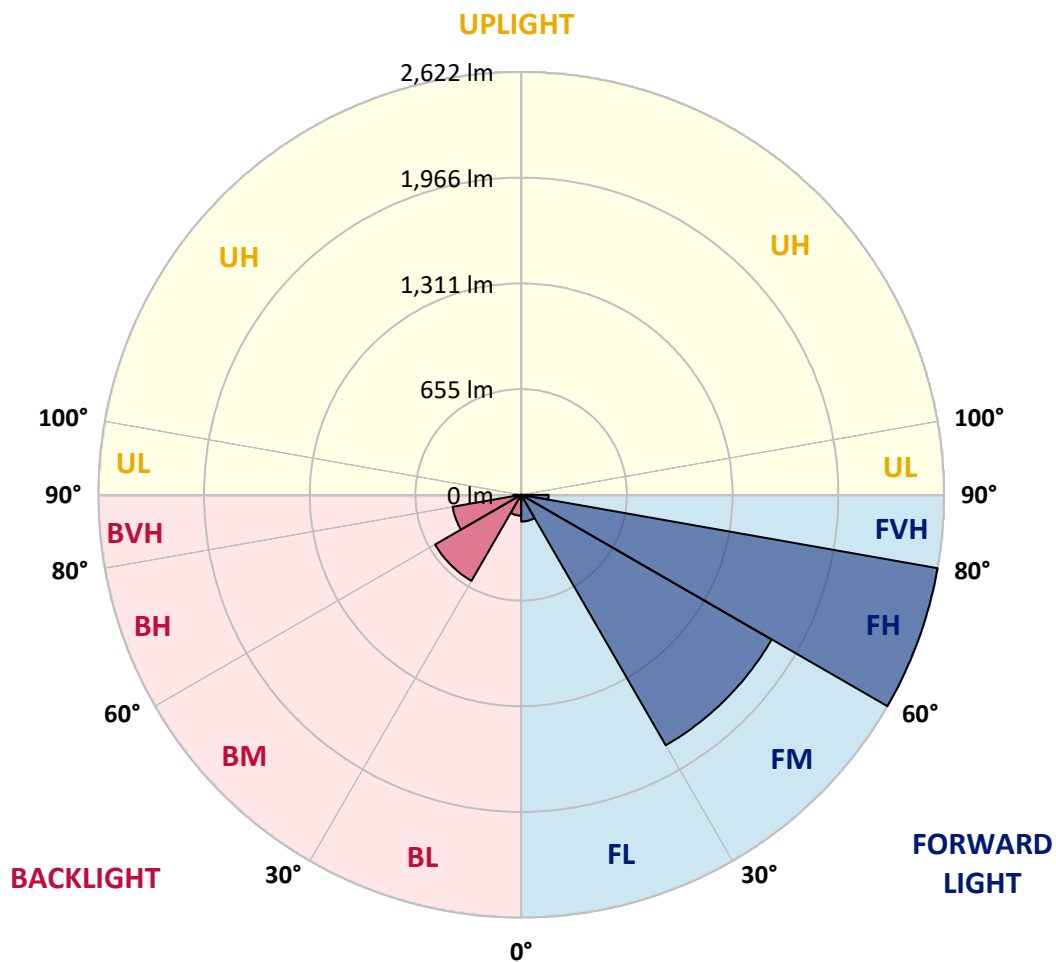
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	166.0	2.8			
FM (30°-60°)	1793.4	30.0			
FH (60°-80°)	2621.9	43.9			G2/5000
FVH (80°-90°)	169.8	2.8			G2/225
BL (0°-30°)	129.3	2.2	B1/500		
BM (30°-60°)	616.1	10.3	B1/1000		
BH (60°-80°)	431.6	7.2	B1/500		G1/500
BVH (80°-90°)	48.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	3.2	3.2	3.2	3.2	3.2	2.6	2.6	1.9	2.6	2.6	2.6
5°	46.0	43.4	34.4	30.5	25.3	10.4	8.4	3.9	3.2	3.2	2.6
7.5°	136.8	135.5	133.5	129.0	123.2	77.1	66.8	24.0	4.5	3.2	2.6
10°	151.0	148.4	145.2	140.7	135.5	129.0	128.3	118.0	21.4	7.1	5.8
12.5°	296.9	291.7	243.7	176.3	145.9	138.1	138.1	133.5	96.6	33.7	79.1
15°	318.9	316.3	307.3	295.6	278.1	160.1	156.9	208.7	257.3	180.2	191.2
17.5°	358.5	352.6	324.8	310.5	297.5	322.8	320.9	298.8	282.0	199.7	214.6
20°	499.8	496.5	484.9	347.4	320.2	408.4	409.7	339.0	306.6	353.3	350.7
22.5°	511.4	510.8	502.4	481.6	507.6	428.5	429.1	450.5	447.9	468.7	425.2
25°	669.0	667.0	541.3	496.5	554.2	461.5	482.3	558.8	499.1	508.2	530.9
27.5°	686.5	685.2	678.0	646.9	573.7	635.9	635.9	577.6	635.9	665.7	669.6
30°	780.5	755.8	705.9	691.0	668.3	667.7	669.6	669.0	735.7	696.8	735.7
32.5°	917.9	912.7	894.5	749.3	742.9	700.1	722.1	772.7	768.1	886.1	936.7
35°	1116.2	1045.6	981.4	864.7	771.4	815.5	818.7	801.2	894.5	932.1	1003.5
37.5°	1393.0	1373.6	1282.8	973.6	859.5	838.2	840.1	897.1	950.9	992.4	1072.2
40°	1594.6	1584.3	1521.4	1192.1	942.5	899.7	904.3	941.2	991.1	1065.0	1148.0
42.5°	1787.8	1787.8	1750.9	1378.8	1120.8	1004.7	1001.5	1009.3	1044.9	1122.7	1260.1
45°	1913.6	1906.4	1937.5	1554.4	1253.7	1117.5	1105.2	1103.3	1116.2	1208.3	1410.5
47.5°	2040.0	2020.5	2050.3	1732.1	1427.4	1234.2	1235.5	1211.5	1229.0	1370.3	1616.0
50°	2173.5	2177.4	2173.5	1881.8	1597.9	1393.0	1382.0	1351.5	1386.6	1560.3	1846.1
52.5°	2364.1	2350.5	2312.2	2072.4	1815.7	1569.4	1551.8	1507.8	1590.1	1783.9	2134.0
55°	2502.8	2489.8	2479.5	2276.6	1982.9	1739.8	1729.5	1680.8	1835.1	2009.5	2430.8
57.5°	2653.8	2638.3	2668.1	2555.3	2245.4	1918.1	1904.5	1874.7	2086.6	2266.8	2732.9
60°	2755.6	2756.3	2837.9	2756.3	2464.5	2096.4	2083.4	2105.4	2316.8	2502.8	3059.0
62.5°	2755.6	2777.0	2956.6	2976.0	2699.2	2329.1	2306.4	2318.7	2567.0	2750.4	3326.7
65°	2494.4	2520.9	2939.7	3039.5	2934.5	2580.6	2569.6	2561.8	2803.6	2946.2	3536.7
67.5°	2227.9	2261.0	2684.3	3042.8	3127.0	2885.9	2845.7	2780.2	3007.8	3092.0	3649.5
70°	2043.2	2070.4	2406.9	2938.4	3251.5	3206.1	3179.5	3007.1	3144.5	3184.7	3522.5
72.5°	1743.1	1745.7	2045.1	2718.0	3335.1	3593.1	3530.9	3258.6	3221.7	3124.4	2987.0
75°	1086.4	1126.0	1359.3	2017.3	3104.3	3821.3	3809.6	3469.9	3111.5	2760.8	2071.1
77.5°	404.5	427.8	568.5	1035.9	2221.5	3485.5	3495.9	3240.5	2631.8	2000.4	1112.4
80°	131.6	141.3	188.0	333.8	986.6	2480.8	2561.8	2298.6	1614.1	1016.4	468.7
82.5°	73.2	70.7	108.9	173.1	421.3	1285.4	1338.6	1105.2	761.0	425.2	175.0
85°	33.7	35.0	51.9	94.0	224.9	358.5	387.0	377.9	288.5	175.0	64.2
87.5°	7.1	8.4	11.7	22.0	35.0	30.5	22.0	38.9	56.4	41.5	11.0
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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	2.6	2.6	1.9	1.9	1.3	1.3	0.6	0.6	1.3	1.3	1.3
5°	2.6	2.6	1.9	1.9	1.9	1.9	2.6	4.5	5.2	5.8	5.2
7.5°	2.6	2.6	2.6	2.6	3.2	6.5	30.5	93.3	99.2	101.1	103.7
10°	5.8	5.2	5.2	5.8	20.1	97.9	118.0	124.5	127.7	129.6	129.0
12.5°	90.1	89.5	33.1	20.1	94.0	123.8	127.1	130.9	137.4	143.9	141.3
15°	190.6	189.9	175.0	181.5	182.8	134.8	137.4	224.9	239.8	249.6	252.8
17.5°	207.4	209.4	203.5	250.9	256.7	204.2	228.8	250.9	256.0	259.3	259.9
20°	385.0	346.2	296.2	280.7	273.6	337.1	255.4	258.0	333.2	357.2	359.8
22.5°	423.3	420.0	392.8	404.5	341.6	351.3	330.6	348.7	382.5	389.6	389.6
25°	546.5	540.6	448.6	421.3	433.7	361.1	417.5	379.9	392.2	405.1	406.4
27.5°	671.6	664.4	599.0	473.9	429.8	455.7	423.9	458.3	495.9	514.0	514.7
30°	729.9	720.2	624.9	534.1	447.3	446.0	445.3	506.9	503.7	515.3	518.6
32.5°	969.7	954.2	798.6	525.1	464.1	423.9	472.6	493.3	567.2	603.5	607.4
35°	1028.1	1008.6	802.5	580.8	438.2	436.9	438.2	506.3	546.5	572.4	578.2
37.5°	1094.9	1068.3	793.4	544.5	448.6	407.1	416.8	457.0	544.5	602.8	607.4
40°	1177.8	1137.0	790.8	508.2	418.1	385.0	383.1	436.9	475.8	511.4	514.7
42.5°	1292.6	1227.1	786.9	470.6	382.5	358.5	361.7	385.0	416.2	412.9	418.1
45°	1444.9	1339.2	780.5	437.6	346.2	325.4	323.5	340.3	354.6	333.8	328.0
47.5°	1635.5	1478.0	790.8	405.8	312.4	293.0	293.6	300.8	303.4	280.7	275.5
50°	1852.0	1634.8	801.9	370.8	285.2	270.3	267.1	269.7	265.8	243.7	241.8
52.5°	2110.0	1818.9	807.7	337.7	263.2	251.5	247.6	245.7	239.8	224.9	223.0
55°	2408.8	2040.0	820.0	311.1	245.0	234.0	232.1	229.5	227.5	219.1	217.8
57.5°	2714.8	2283.7	812.9	283.9	227.5	217.8	221.7	226.2	231.4	228.2	227.5
60°	2995.4	2478.2	724.7	259.9	210.7	208.1	224.9	246.3	250.2	253.5	252.8
62.5°	3205.5	2576.0	575.0	239.2	199.0	208.7	249.6	279.4	275.5	267.1	265.1
65°	3279.4	2548.8	442.7	223.6	193.2	226.2	275.5	291.1	269.0	253.5	250.2
67.5°	3230.1	2414.6	342.9	210.7	189.9	241.1	284.6	280.0	254.8	243.1	238.5
70°	2977.9	2135.3	272.3	199.7	186.7	232.1	280.0	267.1	243.1	232.7	225.6
72.5°	2436.7	1688.6	233.4	187.3	173.1	213.3	265.8	249.6	232.7	219.1	212.6
75°	1575.8	1038.5	202.9	173.1	154.9	193.2	247.6	232.7	218.5	204.8	198.4
77.5°	758.4	471.9	177.6	155.6	138.1	178.3	232.7	215.2	200.9	187.3	179.6
80°	319.6	223.0	151.7	138.1	125.8	167.2	216.5	196.4	180.2	170.5	162.1
82.5°	155.6	123.2	115.4	112.1	109.5	152.3	199.0	174.4	157.5	148.4	129.6
85°	52.5	53.2	71.3	69.4	77.1	121.9	162.7	132.2	118.0	102.4	95.9
87.5°	5.2	7.1	9.7	12.3	25.3	33.7	55.7	45.4	35.7	13.6	9.1
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)