

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: P695495

Luminaire Tested: **LXF.LXT-PA16-50-827-U-T2R**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695495
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-PA16-50-827-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4439 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

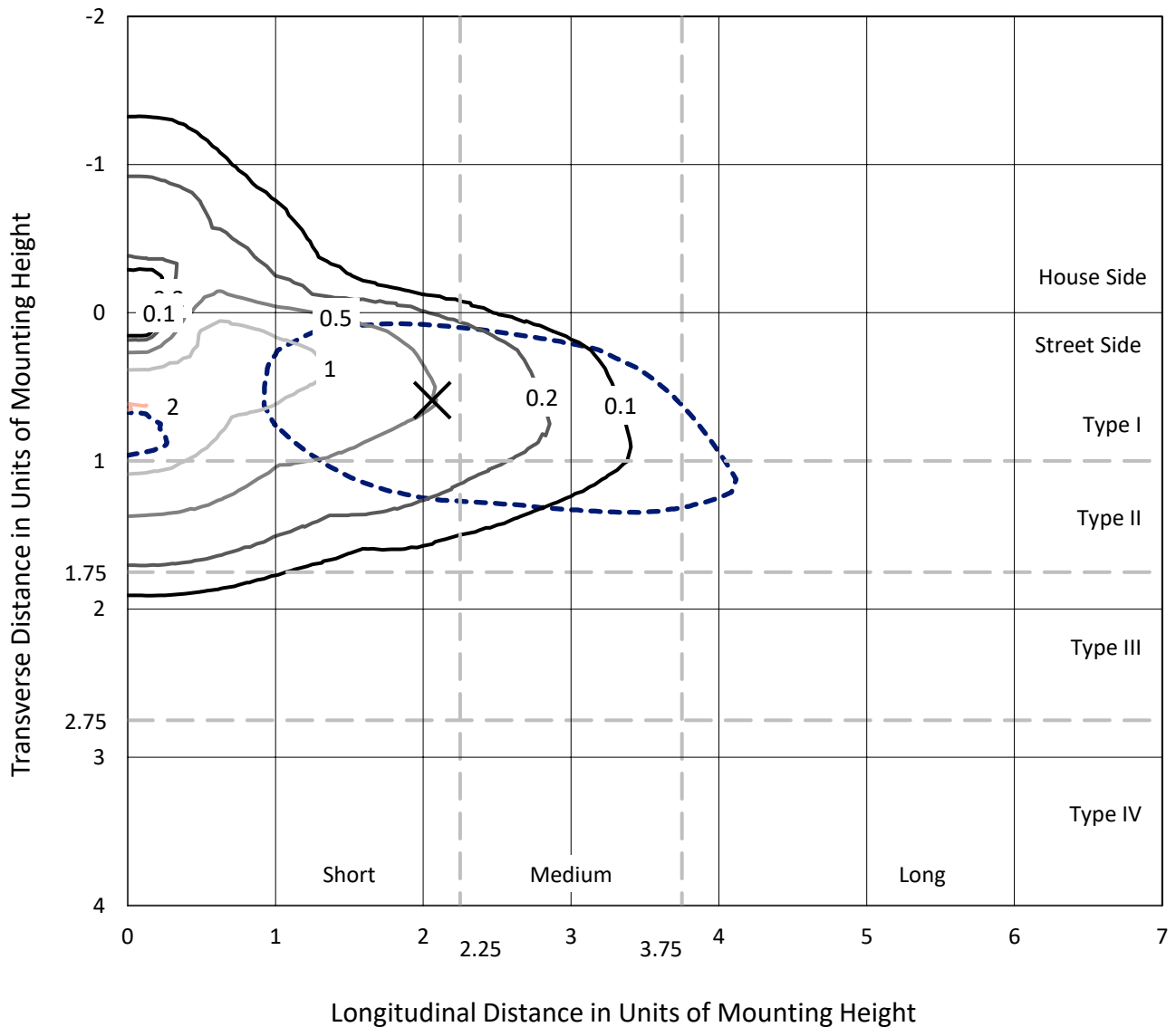
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

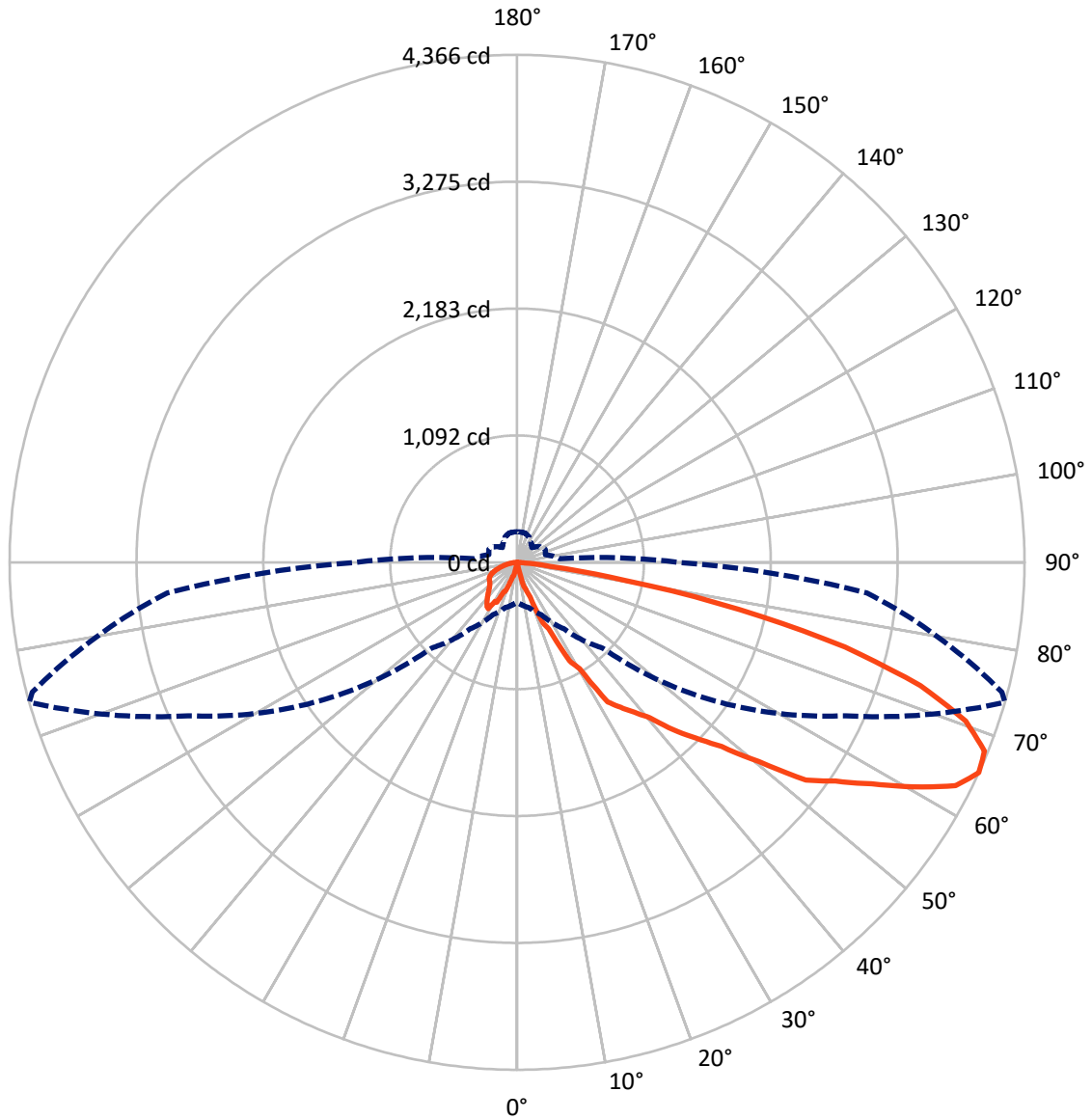
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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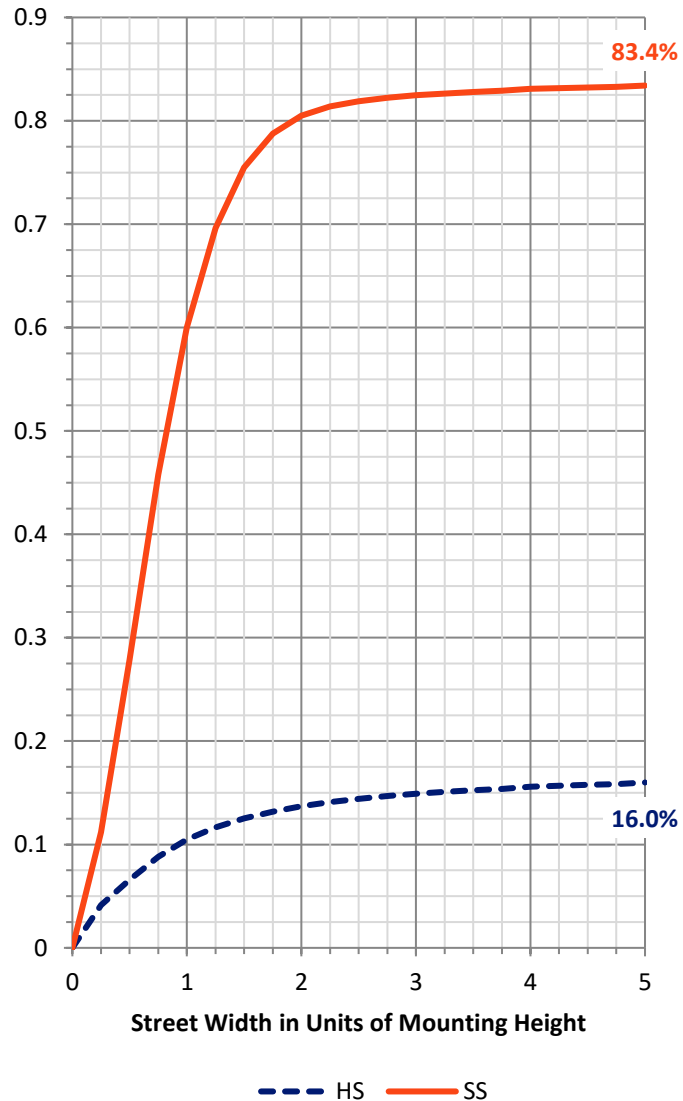
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	727.4	0.0	727.4
	% Fixture	16.4	0.0	16.4
Street Side	Lumens	3711.6	0.0	3711.6
	% Fixture	83.6	0.0	83.6
Total	Lumens	4439.0	0.0	4439.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	43.4	1.0
20°-30°	261.8	5.9
30°-40°	633.8	14.3
40°-50°	888.3	20.0
50°-60°	1049.5	23.6
60°-70°	962.5	21.7
70°-80°	521.4	11.7
80°-90°	78.2	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°	4439.0	100.0
0°-180°	4439.0	100.0

Coefficient of Utilization



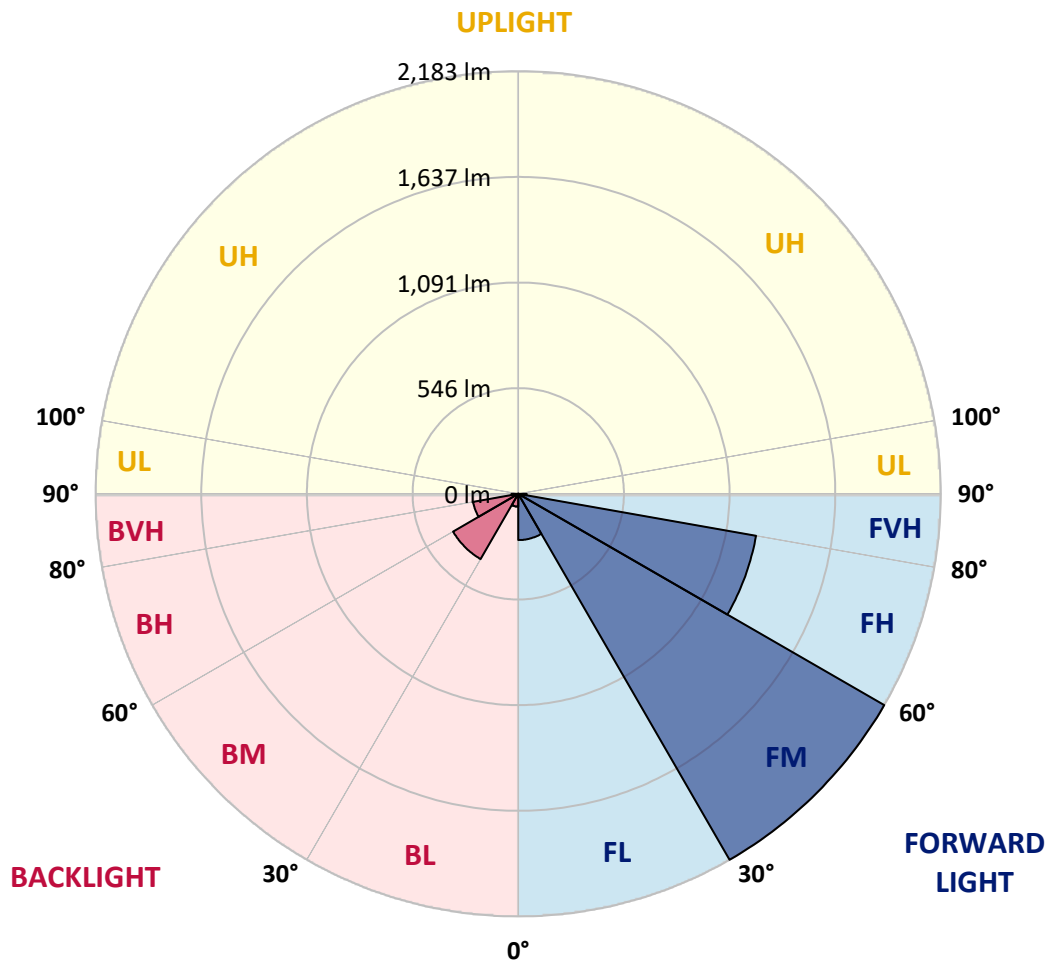
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	238.8	5.4			
FM (30°-60°)	2182.6	49.2			
FH (60°-80°)	1247.0	28.1			G1/1800
FVH (80°-90°)	43.2	1.0			G1/100
BL (0°-30°)	66.5	1.5	B0/110		
BM (30°-60°)	389.0	8.8	B1/1000		
BH (60°-80°)	236.9	5.3	B1/500		G1/500
BVH (80°-90°)	35.0	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-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	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	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
5°	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
7.5°	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
10°	21.7	20.2	15.5	9.3	4.7	1.6	1.6	1.6	1.6	1.6	1.6
12.5°	266.8	266.8	263.7	242.0	31.0	10.9	3.1	7.8	15.5	18.6	20.2
15°	302.5	299.4	299.4	296.3	288.5	66.7	29.5	232.7	212.5	206.3	158.2
17.5°	466.9	527.4	358.3	333.5	324.2	266.8	254.4	274.5	243.5	238.9	183.0
20°	710.4	710.4	705.7	698.0	376.9	519.6	488.6	314.9	319.5	384.7	364.5
22.5°	794.1	791.0	775.5	764.7	822.1	563.0	530.5	578.5	564.6	559.9	428.1
25°	1275.0	1261.0	1239.3	871.7	899.6	791.0	787.9	739.9	632.8	622.0	491.7
27.5°	1394.4	1383.6	1364.9	1244.0	1028.4	1039.2	825.2	887.2	958.6	964.8	738.3
30°	1988.5	1971.4	1757.4	1378.9	1302.9	1132.3	1152.4	1124.5	1060.9	1036.1	797.2
32.5°	2123.4	2114.1	2073.8	1799.2	1416.1	1341.7	1290.5	1240.9	1431.6	1399.1	1121.4
35°	2230.4	2213.4	2173.0	1867.5	1731.0	1558.8	1409.9	1560.4	1532.5	1501.4	1181.9
37.5°	2289.4	2270.8	2230.4	1943.5	1814.7	1636.4	1672.1	1655.0	1636.4	1624.0	1247.1
40°	2278.5	2263.0	2238.2	1993.1	1865.9	1684.5	1799.2	1772.9	1757.4	1822.5	1327.7
42.5°	2227.3	2211.8	2194.8	2017.9	1895.4	1720.1	1906.3	1941.9	1971.4	1959.0	1417.7
45°	2121.9	2107.9	2107.9	1993.1	1879.9	1749.6	1999.3	2115.7	2157.5	2111.0	1534.0
47.5°	2011.7	2000.9	2002.4	1924.9	1850.4	1777.5	2114.1	2256.8	2366.9	2311.1	1701.5
50°	1859.7	1855.1	1878.3	1859.7	1814.7	1780.6	2239.7	2491.0	2695.8	2677.1	1955.9
52.5°	1636.4	1639.5	1704.6	1746.5	1743.4	1758.9	2298.7	2715.9	3111.4	3061.8	2151.3
55°	1444.0	1433.2	1485.9	1582.1	1614.7	1721.7	2331.3	2776.4	3323.9	3275.9	2317.3
57.5°	1202.1	1203.6	1262.6	1361.8	1450.2	1634.8	2359.2	2886.5	3596.9	3541.1	2548.4
60°	899.6	930.6	995.8	1096.6	1225.3	1490.6	2354.5	3037.0	3924.2	3888.5	2813.6
62.5°	587.9	598.7	690.2	789.5	988.0	1304.4	2273.9	3145.6	4234.4	4169.3	2988.9
65°	342.8	362.9	404.8	499.4	696.4	1043.9	2080.0	3123.8	4366.3	4318.2	3021.5
67.5°	231.1	234.2	254.4	308.7	435.8	750.7	1755.8	2919.1	4336.8	4293.4	2931.5
70°	193.9	195.4	201.6	207.8	251.3	485.5	1273.4	2511.2	4094.8	4062.2	2712.8
72.5°	173.7	175.3	178.4	173.7	176.8	280.7	836.0	2083.1	3627.9	3587.6	2349.9
75°	158.2	158.2	158.2	155.1	150.5	172.2	465.3	1599.1	2916.0	2830.7	1786.8
77.5°	138.0	138.0	136.5	136.5	134.9	128.7	228.0	1129.2	1960.5	1876.8	1054.7
80°	113.2	113.2	113.2	114.8	113.2	96.2	122.5	679.4	949.3	930.6	407.9
82.5°	68.2	69.8	79.1	91.5	90.0	68.2	82.2	313.3	288.5	271.4	127.2
85°	9.3	7.8	21.7	31.0	37.2	24.8	34.1	71.3	66.7	69.8	31.0
87.5°	0.0	0.0	0.0	1.6	1.6	3.1	4.7	4.7	4.7	4.7	4.7
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°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	1.6	1.6	0.0
5°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	24.8	23.3	15.5	6.2	0.0	0.0	0.0	0.0	0.0	1.6	1.6
15°	141.1	128.7	117.9	99.3	20.2	3.1	1.6	10.9	24.8	55.8	57.4
17.5°	161.3	145.8	131.8	122.5	110.1	32.6	23.3	113.2	119.4	119.4	119.4
20°	311.8	276.1	190.8	138.0	119.4	99.3	108.6	122.5	127.2	128.7	128.7
22.5°	358.3	310.2	268.3	235.8	138.0	170.6	159.8	133.4	209.4	215.6	217.1
25°	407.9	350.5	283.8	246.6	234.2	175.3	183.0	206.3	221.8	221.8	221.8
27.5°	598.7	490.1	395.5	283.8	251.3	214.0	224.9	212.5	229.6	280.7	290.0
30°	640.6	511.9	394.0	316.4	266.8	249.7	224.9	277.6	297.8	297.8	296.3
32.5°	874.8	670.1	487.0	314.9	288.5	246.6	269.9	286.9	300.9	321.1	328.8
35°	910.5	668.5	468.4	362.9	283.8	259.0	274.5	305.6	356.7	364.5	359.8
37.5°	938.4	656.1	440.5	345.9	305.6	269.9	282.3	335.0	358.3	355.2	349.0
40°	971.0	639.0	409.5	333.5	294.7	269.9	300.9	333.5	342.8	328.8	325.7
42.5°	1011.3	617.3	381.6	318.0	283.8	268.3	297.8	314.9	314.9	311.8	308.7
45°	1067.1	597.2	355.2	300.9	279.2	262.1	290.0	290.0	308.7	305.6	304.0
47.5°	1164.9	577.0	331.9	286.9	273.0	254.4	269.9	280.7	302.5	300.9	299.4
50°	1270.3	555.3	313.3	277.6	266.8	245.1	246.6	271.4	296.3	294.7	293.2
52.5°	1337.0	516.5	299.4	274.5	260.6	235.8	238.9	263.7	291.6	288.5	285.4
55°	1386.7	482.4	290.0	273.0	254.4	214.0	232.7	257.5	285.4	280.7	277.6
57.5°	1454.9	454.5	283.8	276.1	249.7	198.5	224.9	251.3	279.2	274.5	274.5
60°	1521.6	431.2	277.6	277.6	248.2	190.8	218.7	246.6	273.0	271.4	271.4
62.5°	1520.0	403.3	266.8	276.1	246.6	184.6	214.0	242.0	266.8	268.3	266.8
65°	1388.2	367.6	251.3	266.8	235.8	179.9	207.8	242.0	260.6	262.1	262.1
67.5°	1220.7	322.6	226.5	251.3	217.1	176.8	203.2	237.3	249.7	257.5	257.5
70°	1029.9	265.2	195.4	229.6	198.5	173.7	203.2	229.6	237.3	252.8	251.3
72.5°	843.8	209.4	162.9	200.1	178.4	170.6	204.7	218.7	221.8	242.0	235.8
75°	642.1	158.2	130.3	162.9	153.6	167.5	201.6	203.2	201.6	207.8	198.5
77.5°	417.2	119.4	105.5	124.1	127.2	159.8	195.4	184.6	175.3	170.6	166.0
80°	190.8	85.3	80.7	96.2	94.6	147.4	184.6	164.4	150.5	142.7	136.5
82.5°	77.6	55.8	55.8	69.8	65.1	128.7	166.0	141.1	124.1	117.9	114.8
85°	21.7	23.3	24.8	37.2	38.8	99.3	133.4	110.1	90.0	133.4	122.5
87.5°	3.1	3.1	3.1	4.7	4.7	6.2	18.6	24.8	32.6	14.0	12.4
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)