

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: P694910

Luminaire Tested: **LXF.LXT-PA16-30-750-U-T4W**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694910
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-21)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-750-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3782 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

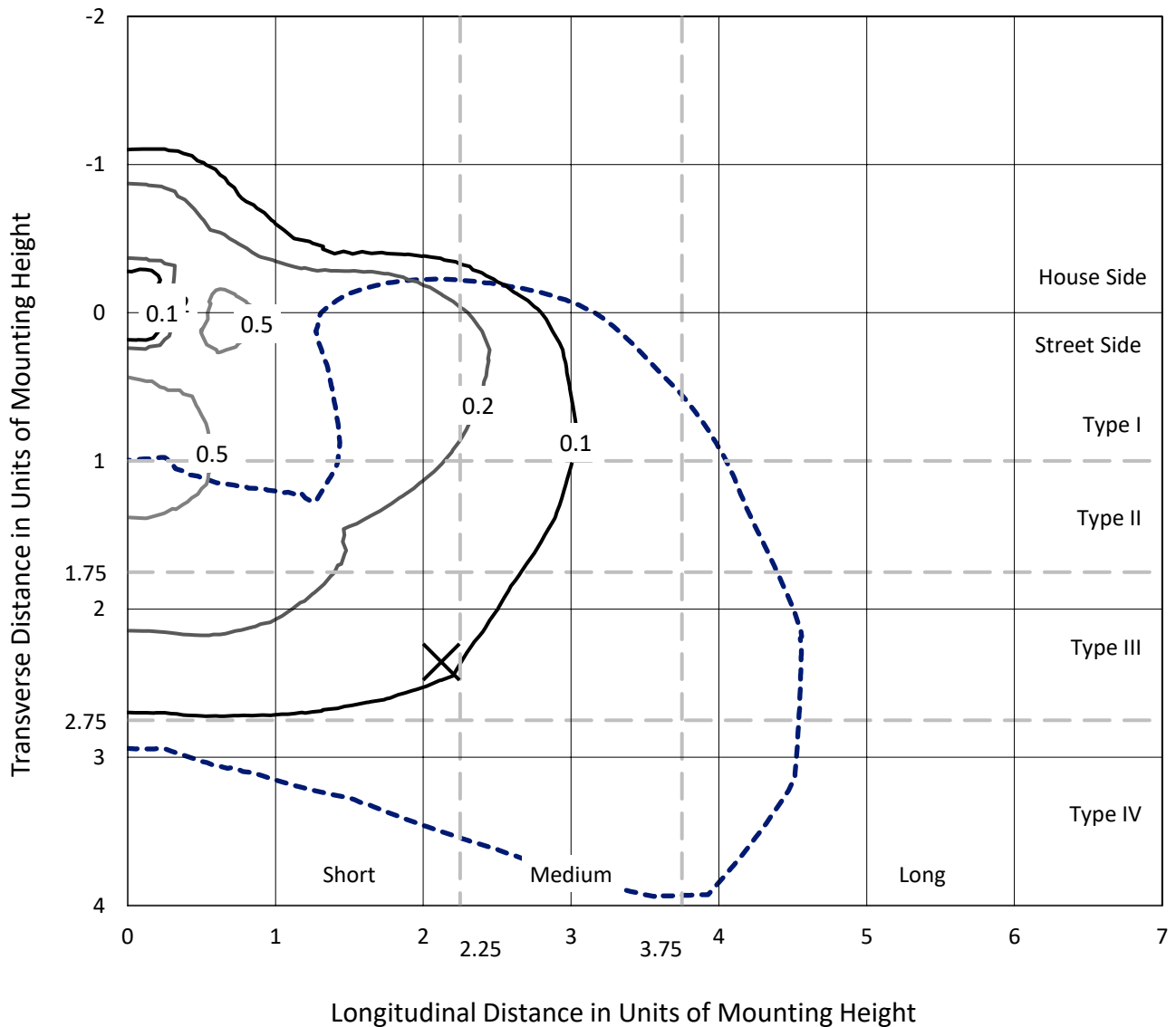
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

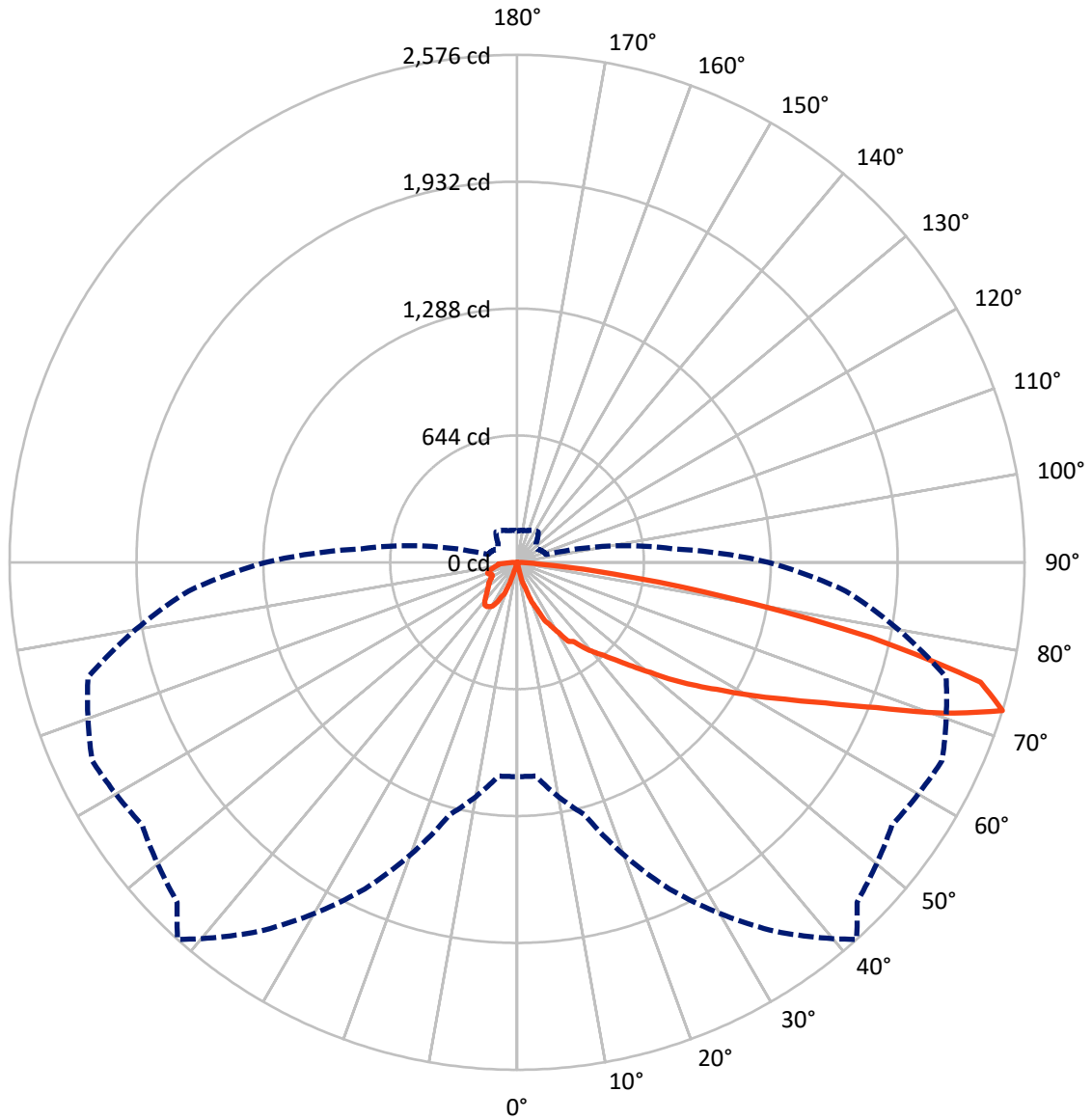
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 42-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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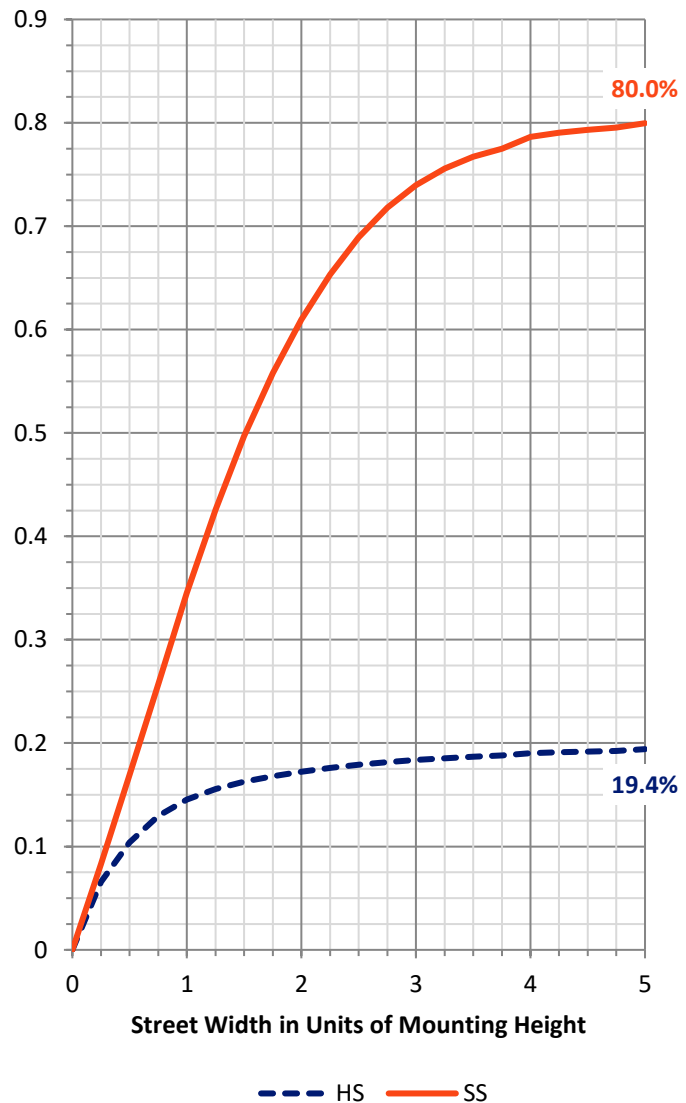
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	754.1	0.0	754.1
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	3027.9	0.0	3027.9
	% Fixture	80.1	0.0	80.1
Total	Lumens	3782.0	0.0	3782.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	26.8	0.7
20°-30°	143.6	3.8
30°-40°	325.3	8.6
40°-50°	481.3	12.7
50°-60°	739.8	19.6
60°-70°	1085.5	28.7
70°-80°	867.9	22.9
80°-90°	111.7	3.0
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°	3782.0	100.0
0°-180°	3782.0	100.0

Coefficient of Utilization



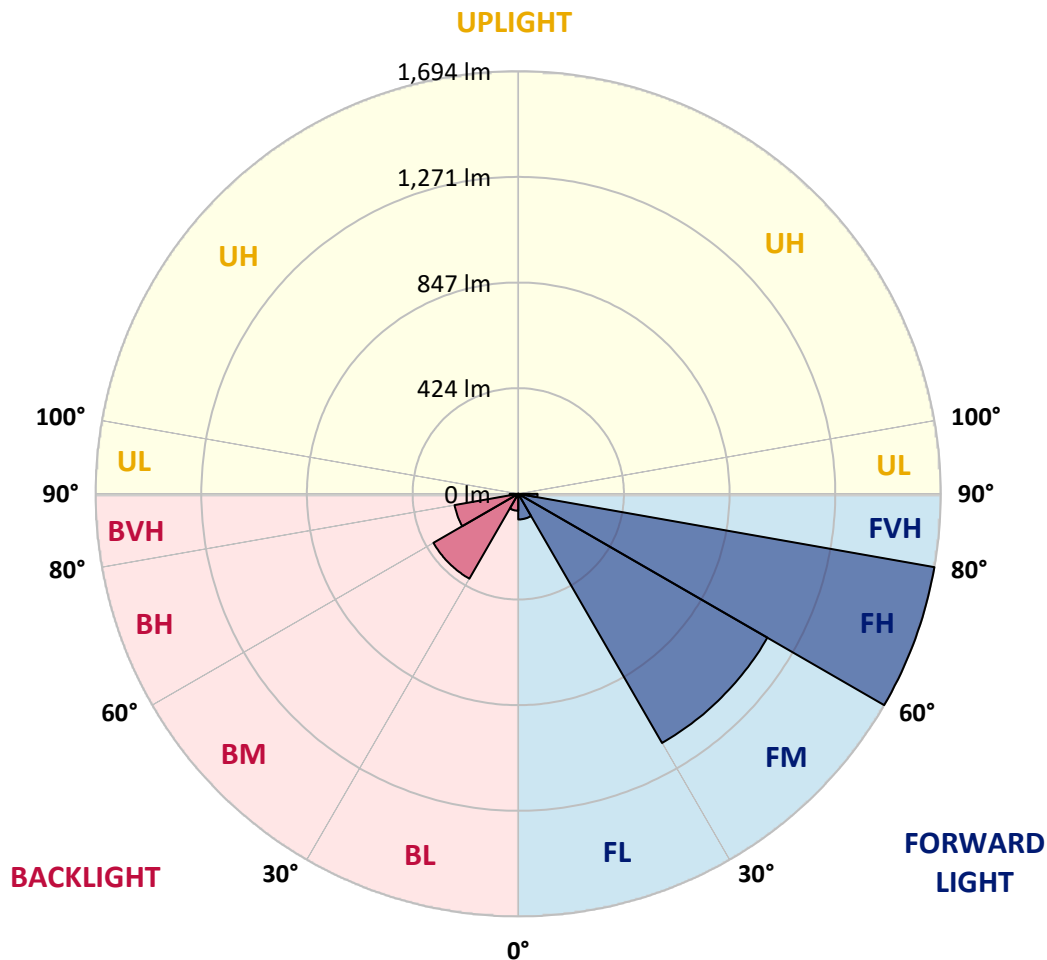
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	102.8	2.7			
FM (30°-60°)	1153.6	30.5			
FH (60°-80°)	1694.4	44.8			G1/1800
FVH (80°-90°)	77.2	2.0			G1/100
BL (0°-30°)	67.8	1.8	B0/110		
BM (30°-60°)	392.7	10.4	B1/1000		
BH (60°-80°)	259.1	6.8	B1/500		G1/500
BVH (80°-90°)	34.5	0.9			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	42°	45°	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°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
5°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
7.5°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
10°	32.4	29.8	25.9	10.4	3.9	1.3	1.3	1.3	1.3	1.3	1.3
12.5°	138.5	138.5	134.6	124.3	28.5	15.5	7.8	2.6	9.1	19.4	24.6
15°	157.9	157.9	152.8	145.0	132.0	110.0	54.4	24.6	107.4	117.8	115.2
17.5°	282.2	260.2	190.3	164.4	147.6	134.6	133.3	123.0	134.6	132.0	129.4
20°	327.5	326.2	314.6	295.1	176.1	214.9	217.5	203.2	155.3	191.6	240.8
22.5°	354.7	349.5	328.8	306.8	323.6	257.6	238.2	223.9	258.9	287.4	280.9
25°	479.0	476.4	459.5	331.4	343.0	327.5	314.6	319.7	328.8	315.9	319.7
27.5°	510.0	503.6	481.6	432.4	374.1	363.8	389.6	349.5	387.1	464.7	455.7
30°	739.2	730.1	614.9	477.7	447.9	414.2	407.8	436.2	469.9	482.8	479.0
32.5°	840.1	829.8	788.3	626.5	482.8	479.0	455.7	473.8	482.8	596.8	634.3
35°	963.1	952.8	899.7	712.0	582.5	493.2	498.4	480.3	569.6	611.0	655.0
37.5°	1048.5	1038.2	1007.1	785.8	648.5	550.2	519.1	535.9	579.9	635.6	679.6
40°	1128.8	1122.3	1102.9	879.0	719.7	598.1	555.3	559.2	601.9	673.1	712.0
42.5°	1211.6	1207.8	1197.4	967.0	784.5	646.0	600.6	587.7	649.8	708.1	759.9
45°	1285.4	1294.5	1289.3	1058.9	854.4	709.4	657.6	633.0	708.1	763.8	835.0
47.5°	1323.0	1323.0	1351.5	1152.1	929.4	788.3	727.5	696.4	784.5	853.1	941.1
50°	1376.1	1381.2	1383.8	1247.9	1031.7	879.0	805.2	774.1	863.4	981.2	1115.9
52.5°	1515.9	1563.8	1452.4	1341.1	1159.9	994.2	889.3	855.7	967.0	1139.2	1339.8
55°	1565.0	1575.4	1544.3	1466.7	1268.6	1105.5	982.5	952.8	1127.5	1323.0	1587.1
57.5°	1607.8	1594.8	1635.0	1602.6	1411.0	1224.6	1095.1	1078.3	1299.7	1526.2	1836.9
60°	1649.2	1654.4	1711.3	1759.2	1541.7	1372.2	1219.4	1259.5	1474.4	1738.5	2073.8
62.5°	1685.4	1698.4	1798.1	1851.1	1657.0	1528.8	1383.8	1492.6	1669.9	1948.2	2268.0
65°	1654.4	1672.5	1877.0	1910.7	1813.6	1719.1	1572.8	1725.6	1909.4	2128.2	2390.9
67.5°	1607.8	1624.6	1864.1	2009.1	1993.5	1966.3	1804.5	1948.2	2159.2	2310.7	2384.5
70°	1464.1	1484.8	1732.0	2044.0	2220.1	2292.6	2117.8	2154.0	2348.2	2381.9	2142.4
72.5°	1087.4	1088.7	1326.9	1829.1	2287.4	2576.1	2440.1	2323.6	2380.6	2255.0	1675.1
75°	515.2	508.7	683.5	1162.5	1914.6	2429.8	2431.1	2277.0	2148.9	1848.5	1078.3
77.5°	151.5	154.0	216.2	480.3	1227.2	1836.9	1953.4	1866.7	1637.5	1035.6	473.8
80°	76.4	82.8	107.4	167.0	534.6	1071.8	1220.7	1205.2	929.4	345.6	163.1
82.5°	37.5	38.8	58.3	90.6	233.0	498.4	638.2	559.2	296.4	165.7	82.8
85°	10.4	9.1	16.8	31.1	72.5	106.1	128.2	104.9	89.3	69.9	33.7
87.5°	0.0	1.3	1.3	2.6	2.6	3.9	3.9	3.9	3.9	3.9	3.9
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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
7.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
10°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
12.5°	24.6	22.0	16.8	9.1	2.6	1.3	1.3	1.3	1.3	2.6	2.6
15°	112.6	111.3	110.0	101.0	22.0	3.9	2.6	11.7	40.1	60.8	73.8
17.5°	128.2	126.9	125.6	123.0	113.9	28.5	37.5	102.3	123.0	124.3	125.6
20°	236.9	231.7	174.8	135.9	125.6	113.9	108.7	125.6	130.7	134.6	135.9
22.5°	275.7	270.6	258.9	240.8	145.0	176.1	164.4	137.2	214.9	231.7	234.3
25°	313.3	306.8	279.6	257.6	246.0	187.7	208.4	221.4	243.4	248.5	251.1
27.5°	449.2	432.4	398.7	286.1	268.0	226.5	243.4	234.3	279.6	326.2	330.1
30°	477.7	460.8	414.2	343.0	283.5	261.5	243.4	305.5	337.9	348.2	353.4
32.5°	636.9	620.1	535.9	345.6	301.6	257.6	284.8	312.0	335.3	405.2	411.7
35°	661.5	640.8	543.7	400.0	291.3	268.0	282.2	323.6	385.8	409.1	412.9
37.5°	688.7	665.4	535.9	375.4	309.4	269.3	275.7	318.4	354.7	365.0	370.2
40°	730.1	695.1	523.0	348.2	291.3	253.7	268.0	292.6	313.3	309.4	313.3
42.5°	785.8	731.4	502.3	317.2	269.3	233.0	248.5	264.1	277.0	265.4	262.8
45°	855.7	783.2	479.0	290.0	246.0	214.9	229.1	242.1	251.1	230.4	227.8
47.5°	956.6	842.7	450.5	261.5	226.5	200.6	213.6	222.7	227.8	208.4	204.5
50°	1093.9	921.7	418.1	238.2	209.7	187.7	203.2	208.4	204.5	190.3	187.7
52.5°	1266.0	1042.1	385.8	220.1	195.5	178.6	192.9	191.6	187.7	177.3	176.1
55°	1480.9	1202.6	358.6	207.1	183.8	169.6	179.9	179.9	178.6	169.6	169.6
57.5°	1706.1	1354.0	326.2	195.5	170.9	156.6	169.6	172.2	170.9	164.4	163.1
60°	1893.9	1478.3	278.3	185.1	156.6	146.3	160.5	165.7	164.4	157.9	156.6
62.5°	2001.3	1497.7	229.1	170.9	145.0	137.2	155.3	163.1	172.2	176.1	176.1
65°	2023.3	1418.8	196.8	160.5	137.2	134.6	160.5	183.8	191.6	196.8	199.4
67.5°	1934.0	1254.4	177.3	154.0	132.0	139.8	182.5	195.5	187.7	185.1	185.1
70°	1686.7	1040.8	163.1	146.3	125.6	146.3	190.3	186.4	176.1	178.6	177.3
72.5°	1276.4	792.2	152.8	138.5	119.1	135.9	187.7	178.6	165.7	163.1	157.9
75°	772.8	464.7	141.1	129.4	103.6	120.4	179.9	170.9	157.9	152.8	148.9
77.5°	299.0	214.9	128.2	119.1	89.3	106.1	167.0	163.1	150.2	139.8	138.5
80°	126.9	113.9	110.0	104.9	76.4	91.9	150.2	151.5	132.0	119.1	115.2
82.5°	71.2	69.9	85.4	85.4	63.4	81.6	135.9	135.9	116.5	108.7	99.7
85°	23.3	27.2	45.3	51.8	46.6	76.4	132.0	125.6	101.0	84.1	80.3
87.5°	2.6	2.6	5.2	10.4	11.7	19.4	37.5	44.0	31.1	25.9	25.9
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)