

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: P695330

Luminaire Tested: **LXF.LXT-PA16-50-727-U-T4W**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695330
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-PA16-50-727-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5055 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

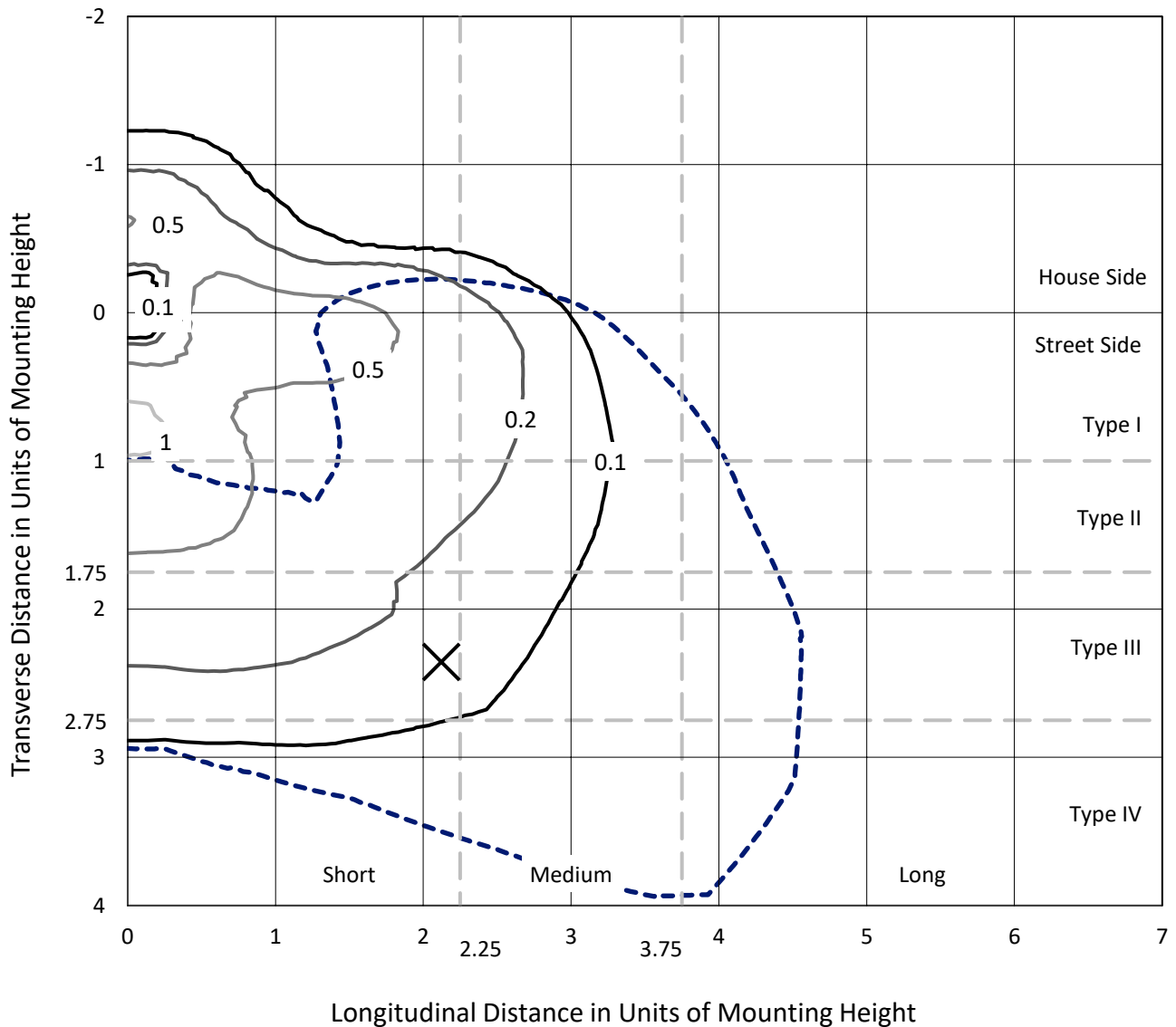
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

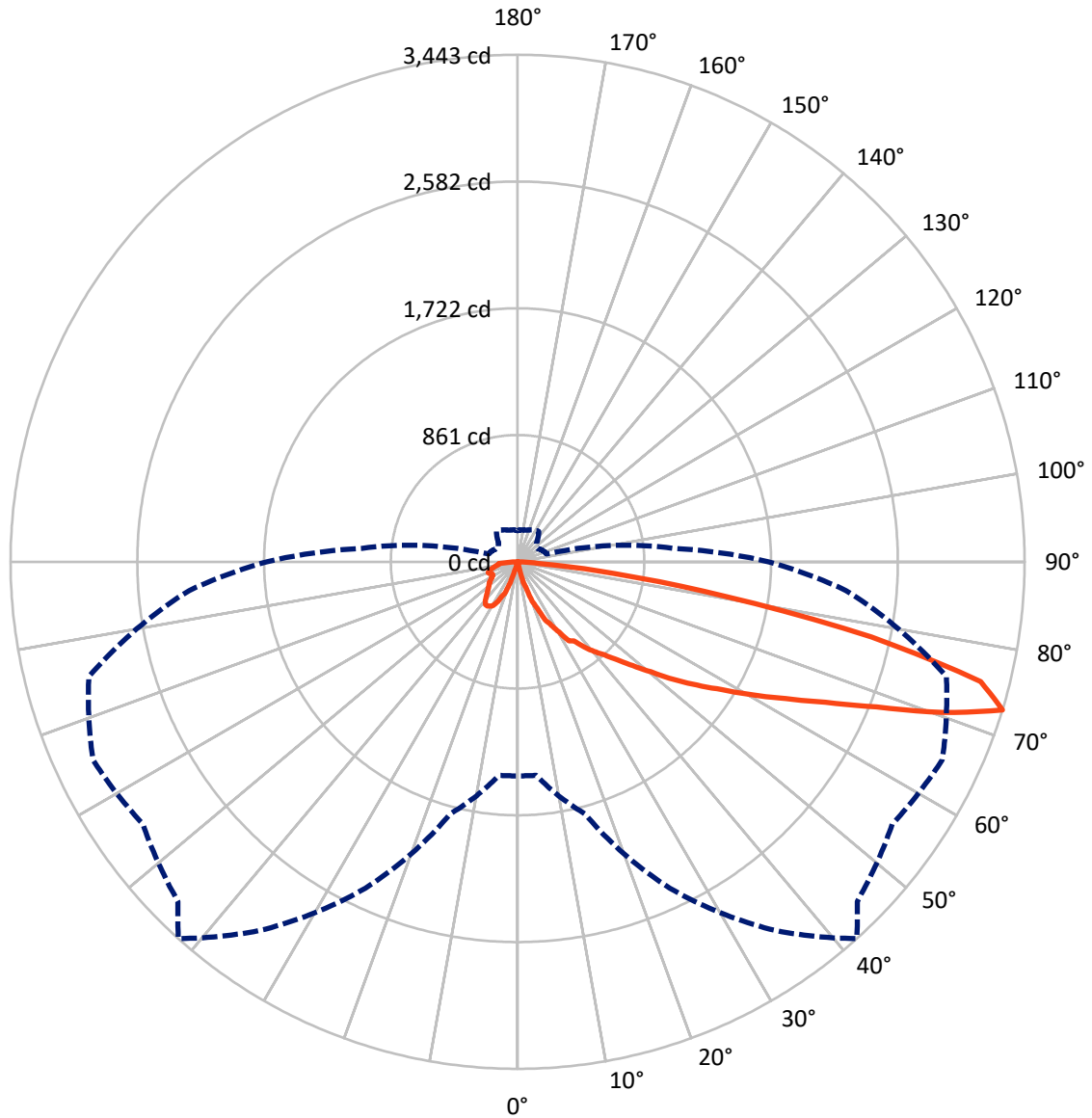
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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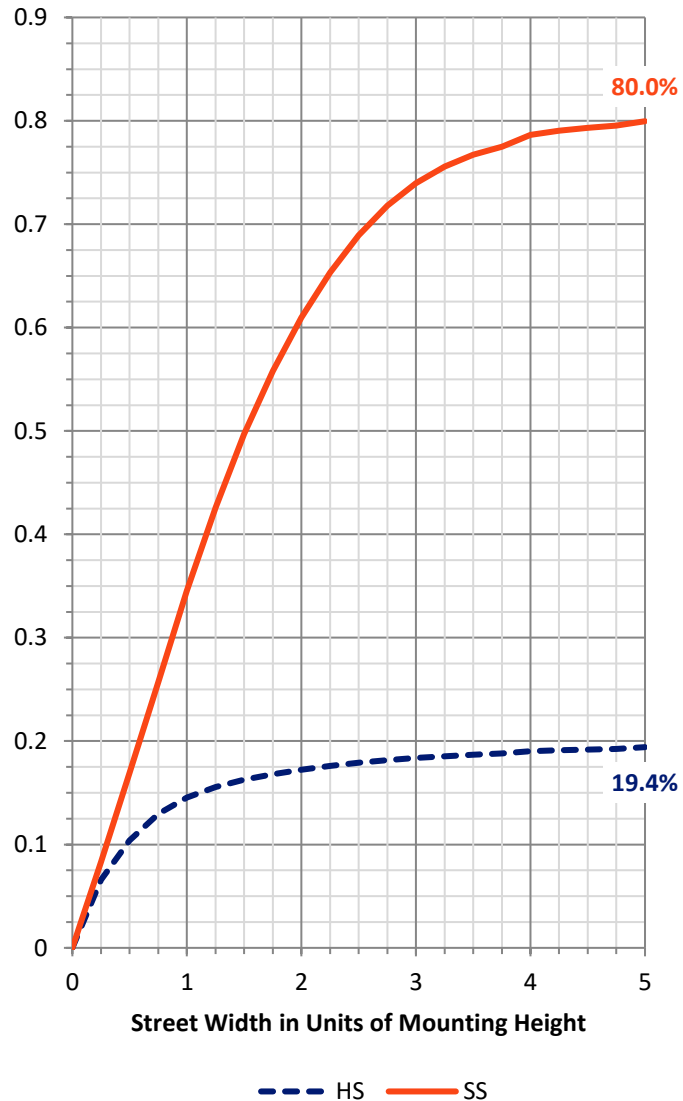
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1008.0	0.0	1008.0
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	4047.0	0.0	4047.0
	% Fixture	80.1	0.0	80.1
Total	Lumens	5055.0	0.0	5055.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	35.8	0.7
20°-30°	192.0	3.8
30°-40°	434.8	8.6
40°-50°	643.3	12.7
50°-60°	988.8	19.6
60°-70°	1450.9	28.7
70°-80°	1160.1	22.9
80°-90°	149.2	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°	5055.0	100.0
0°-180°	5055.0	100.0

Coefficient of Utilization

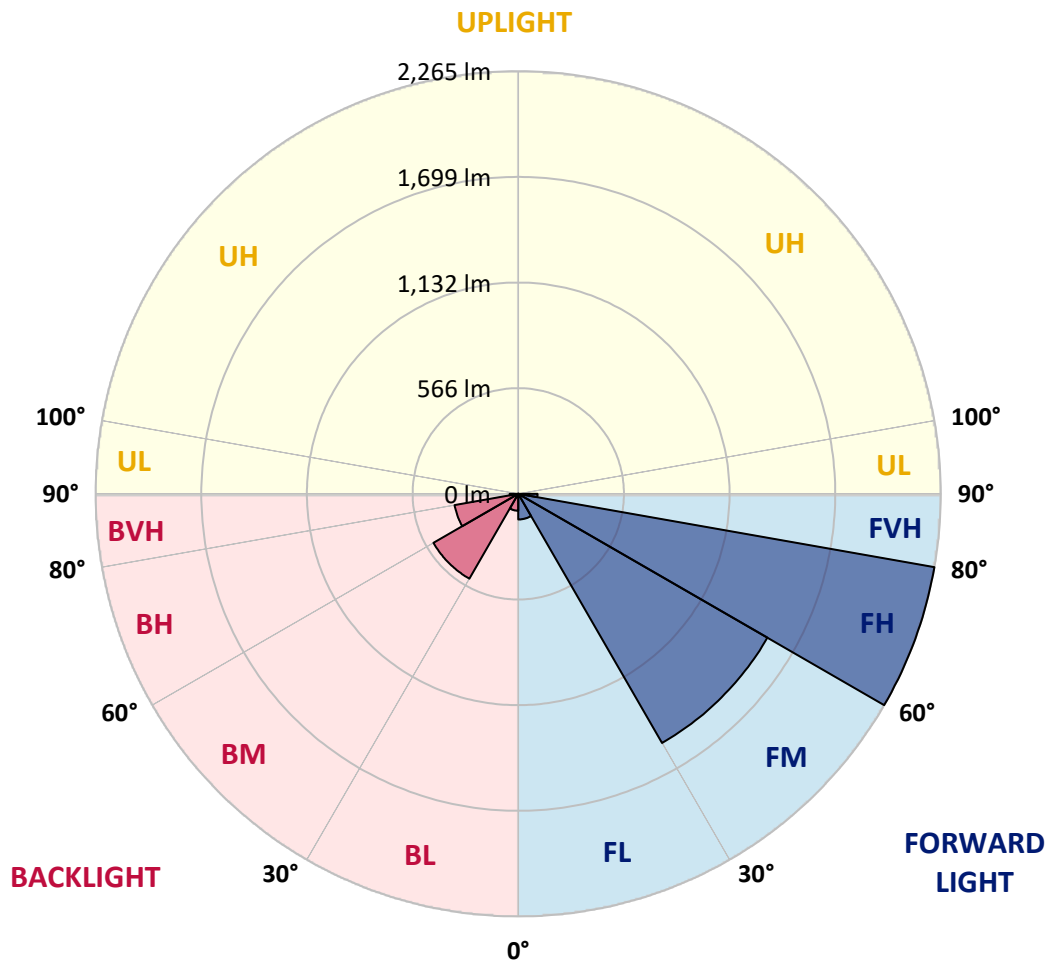


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	137.4	2.7			
FM (30°-60°)	1541.9	30.5			
FH (60°-80°)	2264.7	44.8			G2/5000
FVH (80°-90°)	103.1	2.0			G2/225
BL (0°-30°)	90.6	1.8	B0/110		
BM (30°-60°)	524.9	10.4	B1/1000		
BH (60°-80°)	346.3	6.8	B1/500		G1/500
BVH (80°-90°)	46.1	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-G2
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	42°	45°	55°	65°	75°	85°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
5°	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
7.5°	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
10°	43.3	39.8	34.6	13.8	5.2	1.7	1.7	1.7	1.7	1.7	1.7
12.5°	185.1	185.1	179.9	166.1	38.1	20.8	10.4	3.5	12.1	26.0	32.9
15°	211.1	211.1	204.2	193.8	176.5	147.1	72.7	32.9	143.6	157.4	154.0
17.5°	377.2	347.8	254.3	219.7	197.2	179.9	178.2	164.4	179.9	176.5	173.0
20°	437.7	436.0	420.4	394.5	235.3	287.2	290.7	271.6	207.6	256.1	321.8
22.5°	474.1	467.2	439.5	410.1	432.6	344.3	318.4	299.3	346.0	384.1	375.5
25°	640.2	636.7	614.2	442.9	458.5	437.7	420.4	427.4	439.5	422.2	427.4
27.5°	681.7	673.1	643.6	577.9	500.0	486.2	520.8	467.2	517.3	621.1	609.0
30°	988.0	975.8	821.9	638.5	598.7	553.7	545.0	583.1	628.1	645.4	640.2
32.5°	1122.9	1109.1	1053.7	837.4	645.4	640.2	609.0	633.3	645.4	797.6	847.8
35°	1287.3	1273.4	1202.5	951.6	778.6	659.2	666.1	641.9	761.3	816.7	875.5
37.5°	1401.5	1387.6	1346.1	1050.2	866.8	735.3	693.8	716.3	775.1	849.5	908.4
40°	1508.8	1500.1	1474.1	1174.8	962.0	799.4	742.3	747.5	804.6	899.7	951.6
42.5°	1619.5	1614.3	1600.5	1292.5	1048.5	863.4	802.8	785.5	868.6	946.4	1015.6
45°	1718.1	1730.2	1723.3	1415.3	1141.9	948.2	879.0	846.1	946.4	1020.8	1116.0
47.5°	1768.3	1768.3	1806.3	1539.9	1242.3	1053.7	972.4	930.9	1048.5	1140.2	1257.9
50°	1839.2	1846.1	1849.6	1667.9	1379.0	1174.8	1076.2	1034.7	1154.1	1311.5	1491.4
52.5°	2026.1	2090.1	1941.3	1792.5	1550.3	1328.8	1188.7	1143.7	1292.5	1522.6	1790.8
55°	2091.8	2105.7	2064.2	1960.3	1695.6	1477.6	1313.2	1273.4	1507.0	1768.3	2121.2
57.5°	2148.9	2131.6	2185.3	2142.0	1885.9	1636.8	1463.8	1441.3	1737.1	2039.9	2455.2
60°	2204.3	2211.2	2287.3	2351.4	2060.7	1834.0	1629.9	1683.5	1970.7	2323.7	2771.8
62.5°	2252.7	2270.0	2403.3	2474.2	2214.7	2043.4	1849.6	1994.9	2232.0	2604.0	3031.3
65°	2211.2	2235.4	2508.8	2553.8	2424.0	2297.7	2102.2	2306.4	2552.1	2844.5	3195.7
67.5°	2148.9	2171.4	2491.5	2685.3	2664.5	2628.2	2411.9	2604.0	2886.0	3088.4	3187.1
70°	1956.9	1984.6	2315.0	2732.0	2967.3	3064.2	2830.6	2879.1	3138.6	3183.6	2863.5
72.5°	1453.4	1455.1	1773.5	2444.8	3057.3	3443.1	3261.5	3105.7	3181.9	3014.0	2238.9
75°	688.6	680.0	913.6	1553.7	2559.0	3247.6	3249.4	3043.5	2872.2	2470.8	1441.3
77.5°	202.4	205.9	288.9	641.9	1640.2	2455.2	2610.9	2495.0	2188.7	1384.2	633.3
80°	102.1	110.7	143.6	223.2	714.6	1432.6	1631.6	1610.8	1242.3	462.0	218.0
82.5°	50.2	51.9	77.9	121.1	311.4	666.1	853.0	747.5	396.2	221.5	110.7
85°	13.8	12.1	22.5	41.5	96.9	141.9	171.3	140.1	119.4	93.4	45.0
87.5°	0.0	1.7	1.7	3.5	3.5	5.2	5.2	5.2	5.2	5.2	5.2
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
7.5°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7
10°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7
12.5°	32.9	29.4	22.5	12.1	3.5	1.7	1.7	1.7	1.7	3.5	3.5
15°	150.5	148.8	147.1	135.0	29.4	5.2	3.5	15.6	53.6	81.3	98.6
17.5°	171.3	169.6	167.8	164.4	152.3	38.1	50.2	136.7	164.4	166.1	167.8
20°	316.6	309.7	233.6	181.7	167.8	152.3	145.3	167.8	174.8	179.9	181.7
22.5°	368.5	361.6	346.0	321.8	193.8	235.3	219.7	183.4	287.2	309.7	313.2
25°	418.7	410.1	373.7	344.3	328.7	250.9	278.6	295.9	325.3	332.2	335.7
27.5°	600.4	577.9	532.9	382.4	358.2	302.8	325.3	313.2	373.7	436.0	441.2
30°	638.5	616.0	553.7	458.5	378.9	349.5	325.3	408.3	451.6	465.4	472.3
32.5°	851.3	828.8	716.3	462.0	403.1	344.3	380.6	417.0	448.1	541.6	550.2
35°	884.1	856.5	726.7	534.6	389.3	358.2	377.2	432.6	515.6	546.7	551.9
37.5°	920.5	889.3	716.3	501.8	413.5	359.9	368.5	425.6	474.1	487.9	494.8
40°	975.8	929.1	699.0	465.4	389.3	339.1	358.2	391.0	418.7	413.5	418.7
42.5°	1050.2	977.6	671.3	423.9	359.9	311.4	332.2	353.0	370.3	354.7	351.2
45°	1143.7	1046.8	640.2	387.6	328.7	287.2	306.2	323.6	335.7	308.0	304.5
47.5°	1278.6	1126.4	602.1	349.5	302.8	268.2	285.5	297.6	304.5	278.6	273.4
50°	1462.0	1231.9	558.9	318.4	280.3	250.9	271.6	278.6	273.4	254.3	250.9
52.5°	1692.2	1392.8	515.6	294.1	261.3	238.8	257.8	256.1	250.9	237.0	235.3
55°	1979.4	1607.4	479.3	276.8	245.7	226.7	240.5	240.5	238.8	226.7	226.7
57.5°	2280.4	1809.8	436.0	261.3	228.4	209.4	226.7	230.1	228.4	219.7	218.0
60°	2531.3	1975.9	372.0	247.4	209.4	195.5	214.5	221.5	219.7	211.1	209.4
62.5°	2674.9	2001.9	306.2	228.4	193.8	183.4	207.6	218.0	230.1	235.3	235.3
65°	2704.3	1896.3	263.0	214.5	183.4	179.9	214.5	245.7	256.1	263.0	266.5
67.5°	2584.9	1676.6	237.0	205.9	176.5	186.9	244.0	261.3	250.9	247.4	247.4
70°	2254.5	1391.1	218.0	195.5	167.8	195.5	254.3	249.2	235.3	238.8	237.0
72.5°	1706.0	1058.9	204.2	185.1	159.2	181.7	250.9	238.8	221.5	218.0	211.1
75°	1032.9	621.1	188.6	173.0	138.4	160.9	240.5	228.4	211.1	204.2	199.0
77.5°	399.7	287.2	171.3	159.2	119.4	141.9	223.2	218.0	200.7	186.9	185.1
80°	169.6	152.3	147.1	140.1	102.1	122.8	200.7	202.4	176.5	159.2	154.0
82.5°	95.2	93.4	114.2	114.2	84.8	109.0	181.7	181.7	155.7	145.3	133.2
85°	31.1	36.3	60.6	69.2	62.3	102.1	176.5	167.8	135.0	112.5	107.3
87.5°	3.5	3.5	6.9	13.8	15.6	26.0	50.2	58.8	41.5	34.6	34.6
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)