

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: P695630

Luminaire Tested: **LXF.LXT-PA16-60-730-U-T4W**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695630
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-PA16-60-730-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6211 lumens
Efficiency: N/A
Efficacy: 100.2 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

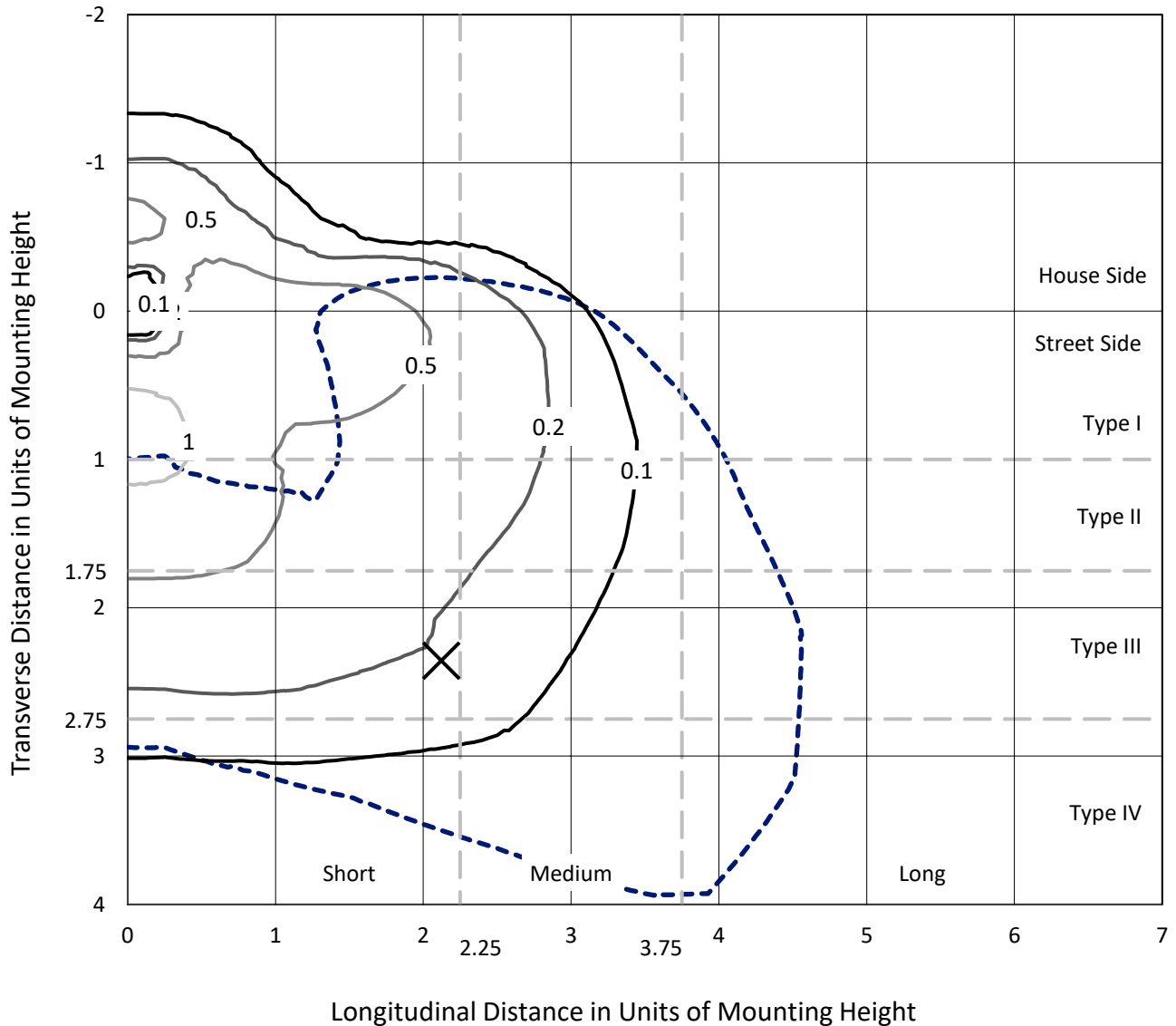
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

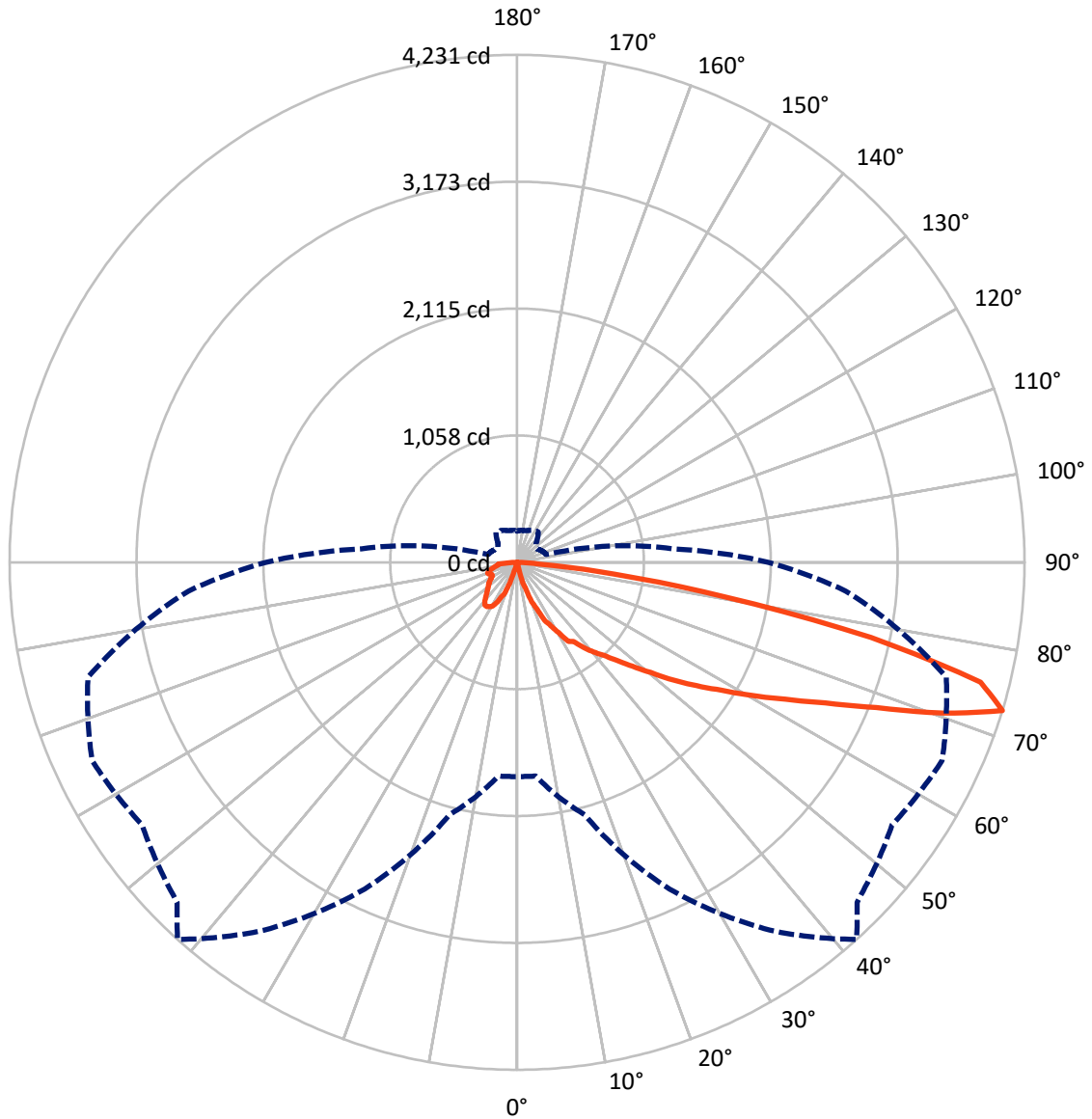
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P695630
CATALOG NUMBER: LXF.LXT-PA16-60-730-U-T4W

Luminous Intensity Polar Plot



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

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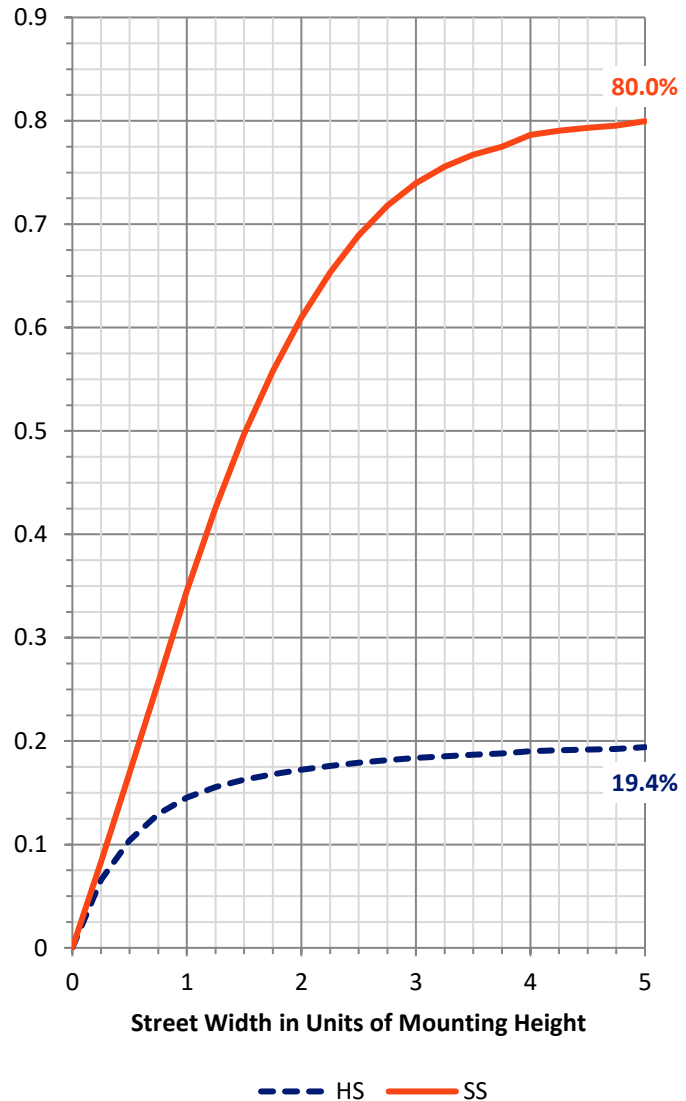
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1238.5	0.0	1238.5
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	4972.6	0.0	4972.6
	% Fixture	80.1	0.0	80.1
Total	Lumens	6211.0	0.0	6211.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	44.0	0.7
20°-30°	235.9	3.8
30°-40°	534.2	8.6
40°-50°	790.4	12.7
50°-60°	1214.9	19.6
60°-70°	1782.7	28.7
70°-80°	1425.4	22.9
80°-90°	183.4	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°	6211.0	100.0
0°-180°	6211.0	100.0

Coefficient of Utilization



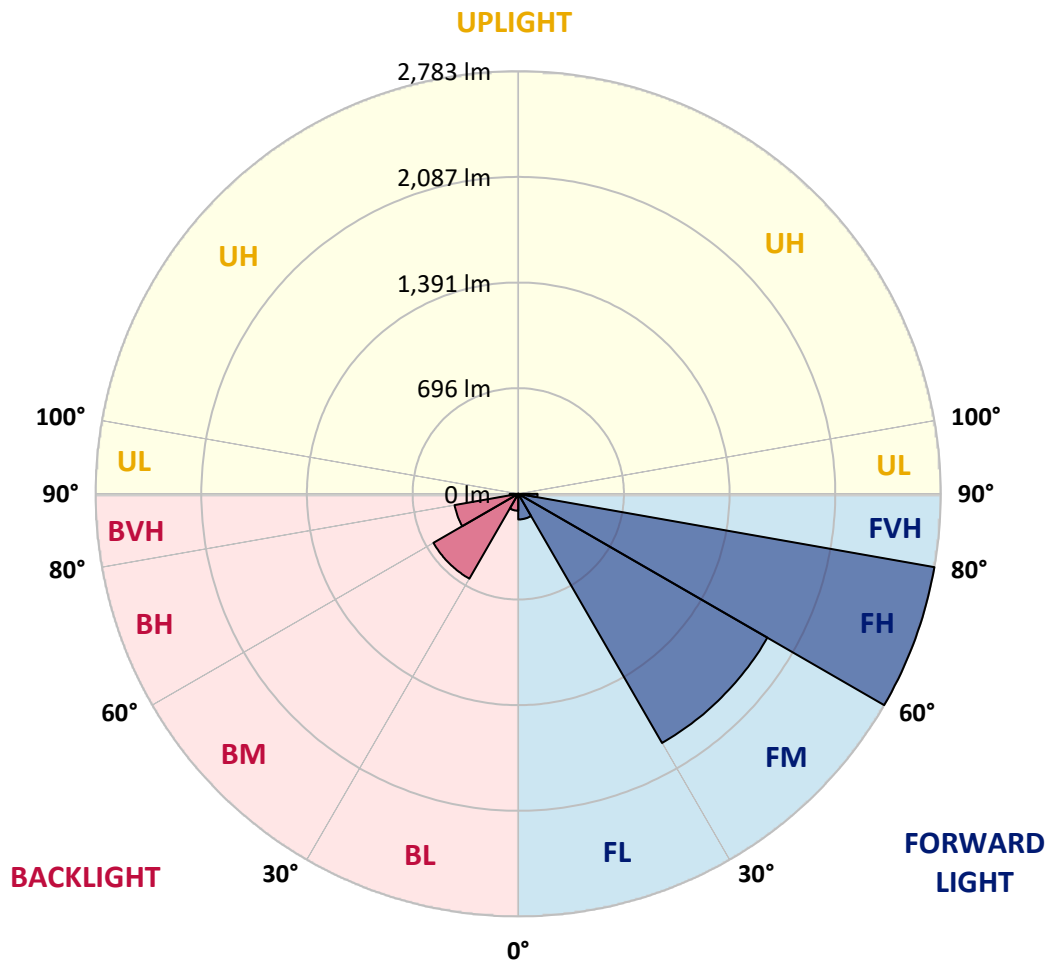
REPORT NUMBER: P695630
 CATALOG NUMBER: LXF.LXT-PA16-60-730-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	168.8	2.7			
FM (30°-60°)	1894.5	30.5			
FH (60°-80°)	2782.6	44.8			G2/5000
FVH (80°-90°)	126.7	2.0			G2/225
BL (0°-30°)	111.4	1.8	B1/500		
BM (30°-60°)	645.0	10.4	B1/1000		
BH (60°-80°)	425.4	6.8	B1/500		G1/500
BVH (80°-90°)	56.7	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



REPORT NUMBER: P695630
 CATALOG NUMBER: LXF.LXT-PA16-60-730-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	42°	45°	55°	65°	75°	85°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
5°	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
7.5°	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
10°	53.1	48.9	42.5	17.0	6.4	2.1	2.1	2.1	2.1	2.1	2.1
12.5°	227.5	227.5	221.1	204.1	46.8	25.5	12.8	4.3	14.9	31.9	40.4
15°	259.4	259.4	250.9	238.1	216.8	180.7	89.3	40.4	176.4	193.5	189.2
17.5°	463.4	427.3	312.5	270.0	242.4	221.1	219.0	202.0	221.1	216.8	212.6
20°	537.9	535.7	516.6	484.7	289.1	352.9	357.1	333.8	255.1	314.6	395.4
22.5°	582.5	574.0	540.0	503.8	531.5	423.1	391.2	367.8	425.2	471.9	461.3
25°	786.6	782.3	754.7	544.2	563.4	537.9	516.6	525.1	540.0	518.7	525.1
27.5°	837.6	827.0	790.8	710.0	614.4	597.4	639.9	574.0	635.6	763.2	748.3
30°	1213.9	1199.0	1009.8	784.5	735.6	680.3	669.7	716.4	771.7	793.0	786.6
32.5°	1379.7	1362.7	1294.7	1028.9	793.0	786.6	748.3	778.1	793.0	980.0	1041.7
35°	1581.7	1564.7	1477.5	1169.2	956.7	810.0	818.5	788.7	935.4	1003.4	1075.7
37.5°	1722.0	1705.0	1653.9	1290.4	1065.1	903.5	852.5	880.1	952.4	1043.8	1116.1
40°	1853.8	1843.1	1811.3	1443.5	1182.0	982.2	912.0	918.4	988.5	1105.5	1169.2
42.5°	1989.8	1983.5	1966.5	1588.0	1288.3	1060.8	986.4	965.2	1067.2	1162.9	1247.9
45°	2111.0	2125.9	2117.4	1739.0	1403.1	1165.0	1080.0	1039.6	1162.9	1254.3	1371.2
47.5°	2172.7	2172.7	2219.4	1892.0	1526.4	1294.7	1194.8	1143.7	1288.3	1401.0	1545.5
50°	2259.8	2268.3	2272.6	2049.4	1694.3	1443.5	1322.3	1271.3	1418.0	1611.4	1832.5
52.5°	2489.4	2568.1	2385.3	2202.4	1904.8	1632.7	1460.5	1405.2	1588.0	1870.8	2200.3
55°	2570.2	2587.2	2536.2	2408.6	2083.4	1815.5	1613.6	1564.7	1851.7	2172.7	2606.3
57.5°	2640.4	2619.1	2685.0	2631.9	2317.2	2011.1	1798.5	1770.9	2134.4	2506.4	3016.6
60°	2708.4	2716.9	2810.4	2889.1	2531.9	2253.4	2002.6	2068.5	2421.4	2855.1	3405.7
62.5°	2767.9	2789.2	2952.9	3040.0	2721.1	2510.7	2272.6	2451.2	2742.4	3199.5	3724.6
65°	2716.9	2746.7	3082.5	3137.8	2978.4	2823.2	2583.0	2833.8	3135.7	3495.0	3926.5
67.5°	2640.4	2668.0	3061.3	3299.4	3273.9	3229.2	2963.5	3199.5	3546.0	3794.7	3915.9
70°	2404.4	2438.4	2844.4	3356.8	3645.9	3765.0	3478.0	3537.5	3856.4	3911.6	3518.4
72.5°	1785.7	1787.9	2179.0	3003.9	3756.5	4230.5	4007.3	3816.0	3909.5	3703.3	2750.9
75°	846.1	835.5	1122.5	1909.1	3144.2	3990.3	3992.4	3739.4	3529.0	3035.8	1770.9
77.5°	248.7	253.0	355.0	788.7	2015.3	3016.6	3208.0	3065.5	2689.3	1700.7	778.1
80°	125.4	136.1	176.4	274.2	878.0	1760.2	2004.7	1979.2	1526.4	567.6	267.9
82.5°	61.7	63.8	95.7	148.8	382.7	818.5	1048.1	918.4	486.8	272.1	136.1
85°	17.0	14.9	27.6	51.0	119.0	174.3	210.5	172.2	146.7	114.8	55.3
87.5°	0.0	2.1	2.1	4.3	4.3	6.4	6.4	6.4	6.4	6.4	6.4
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: P695630
 CATALOG NUMBER: LXF.LXT-PA16-60-730-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
7.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1
10°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1
12.5°	40.4	36.1	27.6	14.9	4.3	2.1	2.1	2.1	2.1	4.3	4.3
15°	185.0	182.8	180.7	165.8	36.1	6.4	4.3	19.1	65.9	99.9	121.2
17.5°	210.5	208.3	206.2	202.0	187.1	46.8	61.7	167.9	202.0	204.1	206.2
20°	389.0	380.5	287.0	223.2	206.2	187.1	178.6	206.2	214.7	221.1	223.2
22.5°	452.8	444.3	425.2	395.4	238.1	289.1	270.0	225.3	352.9	380.5	384.8
25°	514.5	503.8	459.2	423.1	403.9	308.3	342.3	363.5	399.7	408.2	412.4
27.5°	737.7	710.0	654.8	469.8	440.1	372.0	399.7	384.8	459.2	535.7	542.1
30°	784.5	756.8	680.3	563.4	465.6	429.4	399.7	501.7	554.9	571.9	580.4
32.5°	1045.9	1018.3	880.1	567.6	495.3	423.1	467.7	512.3	550.6	665.4	676.0
35°	1086.3	1052.3	892.9	656.9	478.3	440.1	463.4	531.5	633.5	671.8	678.2
37.5°	1131.0	1092.7	880.1	616.5	508.1	442.2	452.8	523.0	582.5	599.5	608.0
40°	1199.0	1141.6	858.9	571.9	478.3	416.7	440.1	480.5	514.5	508.1	514.5
42.5°	1290.4	1201.1	824.8	520.8	442.2	382.7	408.2	433.7	454.9	435.8	431.6
45°	1405.2	1286.2	786.6	476.2	403.9	352.9	376.3	397.5	412.4	378.4	374.2
47.5°	1571.0	1384.0	739.8	429.4	372.0	329.5	350.8	365.7	374.2	342.3	335.9
50°	1796.4	1513.6	686.7	391.2	344.4	308.3	333.8	342.3	335.9	312.5	308.3
52.5°	2079.1	1711.3	633.5	361.4	321.0	293.4	316.8	314.6	308.3	291.2	289.1
55°	2432.0	1975.0	588.9	340.1	301.9	278.5	295.5	295.5	293.4	278.5	278.5
57.5°	2801.9	2223.7	535.7	321.0	280.6	257.2	278.5	282.7	280.6	270.0	267.9
60°	3110.2	2427.8	457.1	304.0	257.2	240.2	263.6	272.1	270.0	259.4	257.2
62.5°	3286.6	2459.7	376.3	280.6	238.1	225.3	255.1	267.9	282.7	289.1	289.1
65°	3322.8	2330.0	323.1	263.6	225.3	221.1	263.6	301.9	314.6	323.1	327.4
67.5°	3176.1	2060.0	291.2	253.0	216.8	229.6	299.8	321.0	308.3	304.0	304.0
70°	2770.0	1709.2	267.9	240.2	206.2	240.2	312.5	306.1	289.1	293.4	291.2
72.5°	2096.1	1301.0	250.9	227.5	195.6	223.2	308.3	293.4	272.1	267.9	259.4
75°	1269.2	763.2	231.7	212.6	170.1	197.7	295.5	280.6	259.4	250.9	244.5
77.5°	491.1	352.9	210.5	195.6	146.7	174.3	274.2	267.9	246.6	229.6	227.5
80°	208.3	187.1	180.7	172.2	125.4	150.9	246.6	248.7	216.8	195.6	189.2
82.5°	116.9	114.8	140.3	140.3	104.2	133.9	223.2	223.2	191.3	178.6	163.7
85°	38.3	44.6	74.4	85.0	76.5	125.4	216.8	206.2	165.8	138.2	131.8
87.5°	4.3	4.3	8.5	17.0	19.1	31.9	61.7	72.3	51.0	42.5	42.5
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)