

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: P695900

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695900
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-PA16-730-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6897 lumens
Efficiency: N/A
Efficacy: 95.8 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

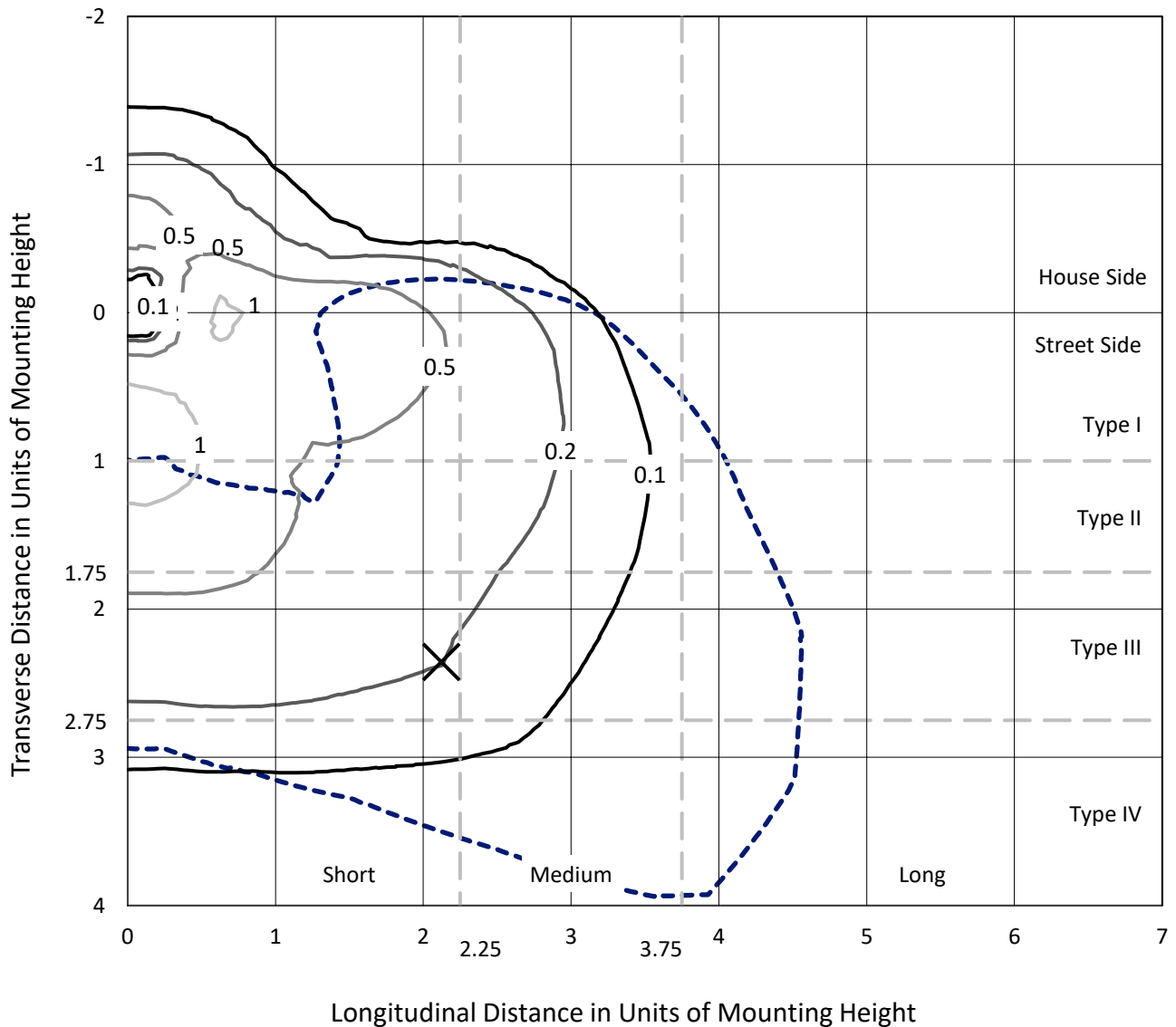
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

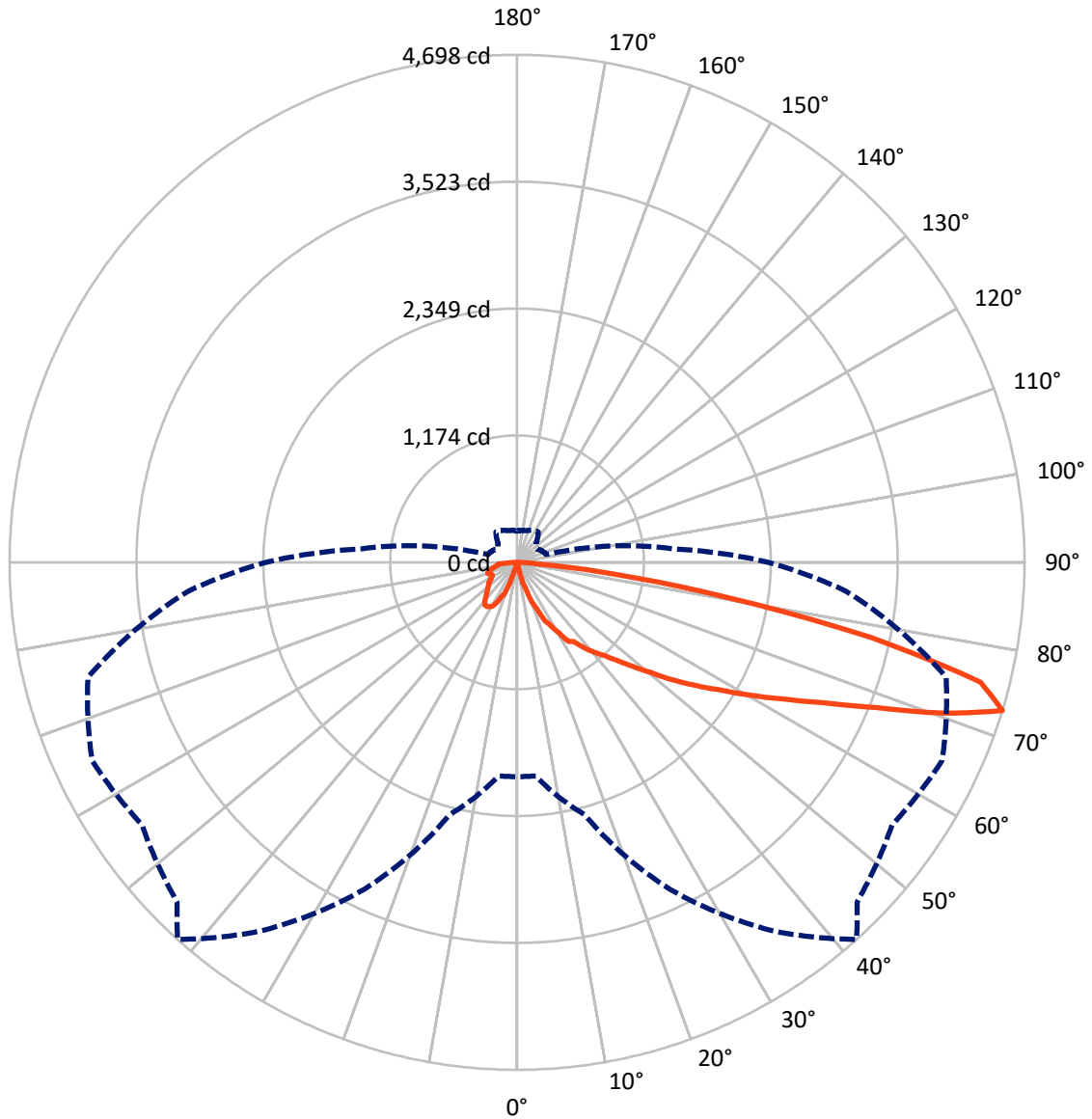
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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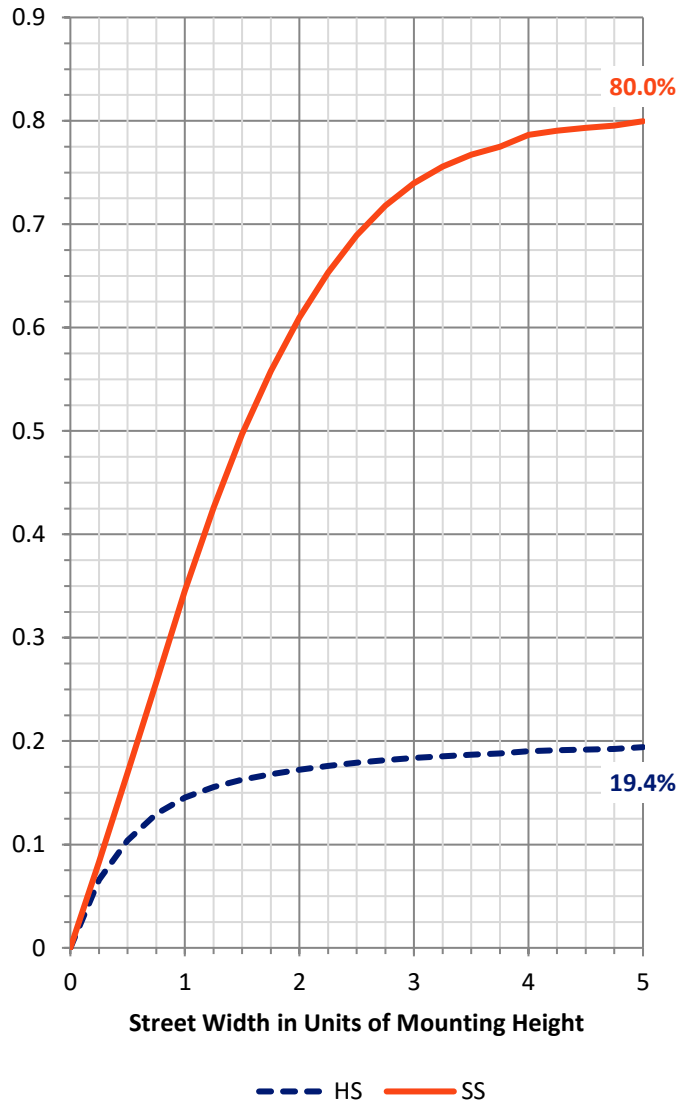
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1375.2	0.0	1375.2
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	5521.8	0.0	5521.8
	% Fixture	80.1	0.0	80.1
Total	Lumens	6897.0	0.0	6897.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	48.9	0.7
20°-30°	261.9	3.8
30°-40°	593.2	8.6
40°-50°	877.7	12.7
50°-60°	1349.1	19.6
60°-70°	1979.6	28.7
70°-80°	1582.8	22.9
80°-90°	203.6	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°	6897.0	100.0
0°-180°	6897.0	100.0

Coefficient of Utilization



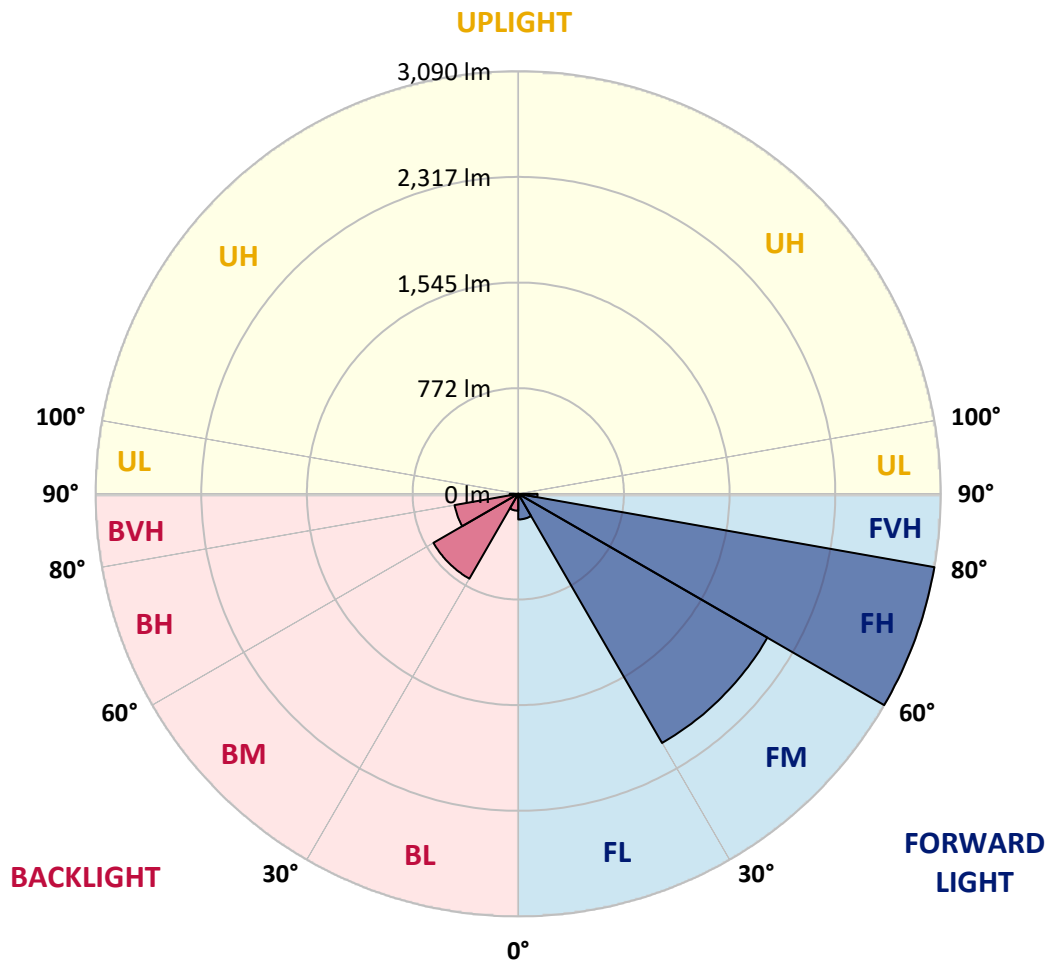
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	187.4	2.7			
FM (30°-60°)	2103.7	30.5			
FH (60°-80°)	3089.9	44.8			G2/5000
FVH (80°-90°)	140.7	2.0			G2/225
BL (0°-30°)	123.7	1.8	B1/500		
BM (30°-60°)	716.2	10.4	B1/1000		
BH (60°-80°)	472.4	6.8	B1/500		G1/500
BVH (80°-90°)	62.9	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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	0.0	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
5°	0.0	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
7.5°	0.0	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
10°	59.0	54.3	47.2	18.9	7.1	2.4	2.4	2.4	2.4	2.4	2.4
12.5°	252.6	252.6	245.5	226.6	51.9	28.3	14.2	4.7	16.5	35.4	44.9
15°	288.0	288.0	278.6	264.4	240.8	200.7	99.1	44.9	195.9	214.8	210.1
17.5°	514.6	474.5	347.0	299.8	269.1	245.5	243.2	224.3	245.5	240.8	236.1
20°	597.3	594.9	573.6	538.2	321.1	391.9	396.6	370.6	283.3	349.4	439.1
22.5°	646.8	637.4	599.6	559.5	590.2	469.8	434.4	408.4	472.1	524.1	512.3
25°	873.5	868.7	838.0	604.3	625.6	597.3	573.6	583.1	599.6	576.0	583.1
27.5°	930.1	918.3	878.2	788.5	682.2	663.4	710.6	637.4	705.8	847.5	831.0
30°	1348.0	1331.4	1121.3	871.1	816.8	755.4	743.6	795.6	856.9	880.5	873.5
32.5°	1532.1	1513.2	1437.7	1142.6	880.5	873.5	831.0	864.0	880.5	1088.3	1156.7
35°	1756.4	1737.5	1640.7	1298.4	1062.3	899.4	908.9	875.8	1038.7	1114.2	1194.5
37.5°	1912.2	1893.3	1836.6	1432.9	1182.7	1003.3	946.6	977.3	1057.6	1159.1	1239.4
40°	2058.5	2046.7	2011.3	1602.9	1312.5	1090.6	1012.7	1019.8	1097.7	1227.6	1298.4
42.5°	2209.6	2202.5	2183.6	1763.4	1430.6	1178.0	1095.4	1071.8	1185.1	1291.3	1385.7
45°	2344.2	2360.7	2351.3	1931.0	1558.1	1293.7	1199.2	1154.4	1291.3	1392.8	1522.6
47.5°	2412.6	2412.6	2464.6	2101.0	1695.0	1437.7	1326.7	1270.1	1430.6	1555.7	1716.2
50°	2509.4	2518.9	2523.6	2275.7	1881.5	1602.9	1468.4	1411.7	1574.6	1789.4	2034.9
52.5°	2764.4	2851.7	2648.7	2445.7	2115.2	1813.0	1621.8	1560.4	1763.4	2077.4	2443.3
55°	2854.1	2873.0	2816.3	2674.7	2313.5	2016.0	1791.8	1737.5	2056.2	2412.6	2894.2
57.5°	2932.0	2908.4	2981.6	2922.5	2573.2	2233.2	1997.1	1966.5	2370.1	2783.3	3349.8
60°	3007.5	3017.0	3120.8	3208.2	2811.6	2502.3	2223.8	2297.0	2688.8	3170.4	3781.8
62.5°	3073.6	3097.2	3279.0	3375.8	3021.7	2788.0	2523.6	2721.9	3045.3	3552.8	4135.9
65°	3017.0	3050.0	3423.0	3484.4	3307.3	3135.0	2868.2	3146.8	3482.0	3881.0	4360.2
67.5°	2932.0	2962.7	3399.4	3663.8	3635.5	3585.9	3290.8	3552.8	3937.6	4213.8	4348.4
70°	2669.9	2707.7	3158.6	3727.5	4048.6	4180.8	3862.1	3928.2	4282.3	4343.7	3907.0
72.5°	1983.0	1985.3	2419.7	3335.7	4171.3	4697.8	4449.9	4237.4	4341.3	4112.3	3054.7
75°	939.6	927.8	1246.4	2119.9	3491.5	4431.0	4433.4	4152.5	3918.8	3371.1	1966.5
77.5°	276.2	280.9	394.2	875.8	2237.9	3349.8	3562.3	3404.1	2986.3	1888.6	864.0
80°	139.3	151.1	195.9	304.5	975.0	1954.7	2226.1	2197.8	1695.0	630.3	297.4
82.5°	68.5	70.8	106.2	165.2	424.9	908.9	1163.8	1019.8	540.6	302.2	151.1
85°	18.9	16.5	30.7	56.7	132.2	193.6	233.7	191.2	162.9	127.5	61.4
87.5°	0.0	2.4	2.4	4.7	4.7	7.1	7.1	7.1	7.1	7.1	7.1
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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
7.5°	2.4	2.4	2.4	2.4	2.4	2.4	0.0	2.4	2.4	2.4	2.4
10°	2.4	2.4	2.4	2.4	2.4	2.4	0.0	2.4	2.4	2.4	2.4
12.5°	44.9	40.1	30.7	16.5	4.7	2.4	2.4	2.4	2.4	4.7	4.7
15°	205.4	203.0	200.7	184.1	40.1	7.1	4.7	21.2	73.2	111.0	134.6
17.5°	233.7	231.3	229.0	224.3	207.7	51.9	68.5	186.5	224.3	226.6	229.0
20°	432.0	422.6	318.7	247.9	229.0	207.7	198.3	229.0	238.4	245.5	247.9
22.5°	502.8	493.4	472.1	439.1	264.4	321.1	299.8	250.2	391.9	422.6	427.3
25°	571.3	559.5	509.9	469.8	448.5	342.3	380.1	403.7	443.8	453.3	458.0
27.5°	819.2	788.5	727.1	521.7	488.7	413.1	443.8	427.3	509.9	594.9	602.0
30°	871.1	840.4	755.4	625.6	517.0	476.9	443.8	557.1	616.1	635.0	644.5
32.5°	1161.5	1130.8	977.3	630.3	550.0	469.8	519.4	568.9	611.4	738.9	750.7
35°	1206.3	1168.5	991.5	729.5	531.2	488.7	514.6	590.2	703.5	746.0	753.1
37.5°	1255.9	1213.4	977.3	684.6	564.2	491.0	502.8	580.7	646.8	665.7	675.2
40°	1331.4	1267.7	953.7	635.0	531.2	462.7	488.7	533.5	571.3	564.2	571.3
42.5°	1432.9	1333.8	915.9	578.4	491.0	424.9	453.3	481.6	505.2	483.9	479.2
45°	1560.4	1428.2	873.5	528.8	448.5	391.9	417.8	441.5	458.0	420.2	415.5
47.5°	1744.6	1536.8	821.5	476.9	413.1	365.9	389.5	406.0	415.5	380.1	373.0
50°	1994.8	1680.8	762.5	434.4	382.4	342.3	370.6	380.1	373.0	347.0	342.3
52.5°	2308.8	1900.4	703.5	401.3	356.5	325.8	351.7	349.4	342.3	323.4	321.1
55°	2700.6	2193.1	653.9	377.7	335.2	309.3	328.1	328.1	325.8	309.3	309.3
57.5°	3111.4	2469.3	594.9	356.5	311.6	285.6	309.3	314.0	311.6	299.8	297.4
60°	3453.7	2695.9	507.5	337.6	285.6	266.8	292.7	302.2	299.8	288.0	285.6
62.5°	3649.6	2731.3	417.8	311.6	264.4	250.2	283.3	297.4	314.0	321.1	321.1
65°	3689.8	2587.3	358.8	292.7	250.2	245.5	292.7	335.2	349.4	358.8	363.5
67.5°	3526.9	2287.5	323.4	280.9	240.8	255.0	332.9	356.5	342.3	337.6	337.6
70°	3076.0	1898.0	297.4	266.8	229.0	266.8	347.0	339.9	321.1	325.8	323.4
72.5°	2327.6	1444.7	278.6	252.6	217.2	247.9	342.3	325.8	302.2	297.4	288.0
75°	1409.3	847.5	257.3	236.1	188.9	219.5	328.1	311.6	288.0	278.6	271.5
77.5°	545.3	391.9	233.7	217.2	162.9	193.6	304.5	297.4	273.8	255.0	252.6
80°	231.3	207.7	200.7	191.2	139.3	167.6	273.8	276.2	240.8	217.2	210.1
82.5°	129.8	127.5	155.8	155.8	115.7	148.7	247.9	247.9	212.5	198.3	181.8
85°	42.5	49.6	82.6	94.4	85.0	139.3	240.8	229.0	184.1	153.4	146.4
87.5°	4.7	4.7	9.4	18.9	21.2	35.4	68.5	80.3	56.7	47.2	47.2
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)