

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: P695350

Luminaire Tested: **LXF.LXT-PA16-50-730-U-T2U**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695350
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-730-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5643 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

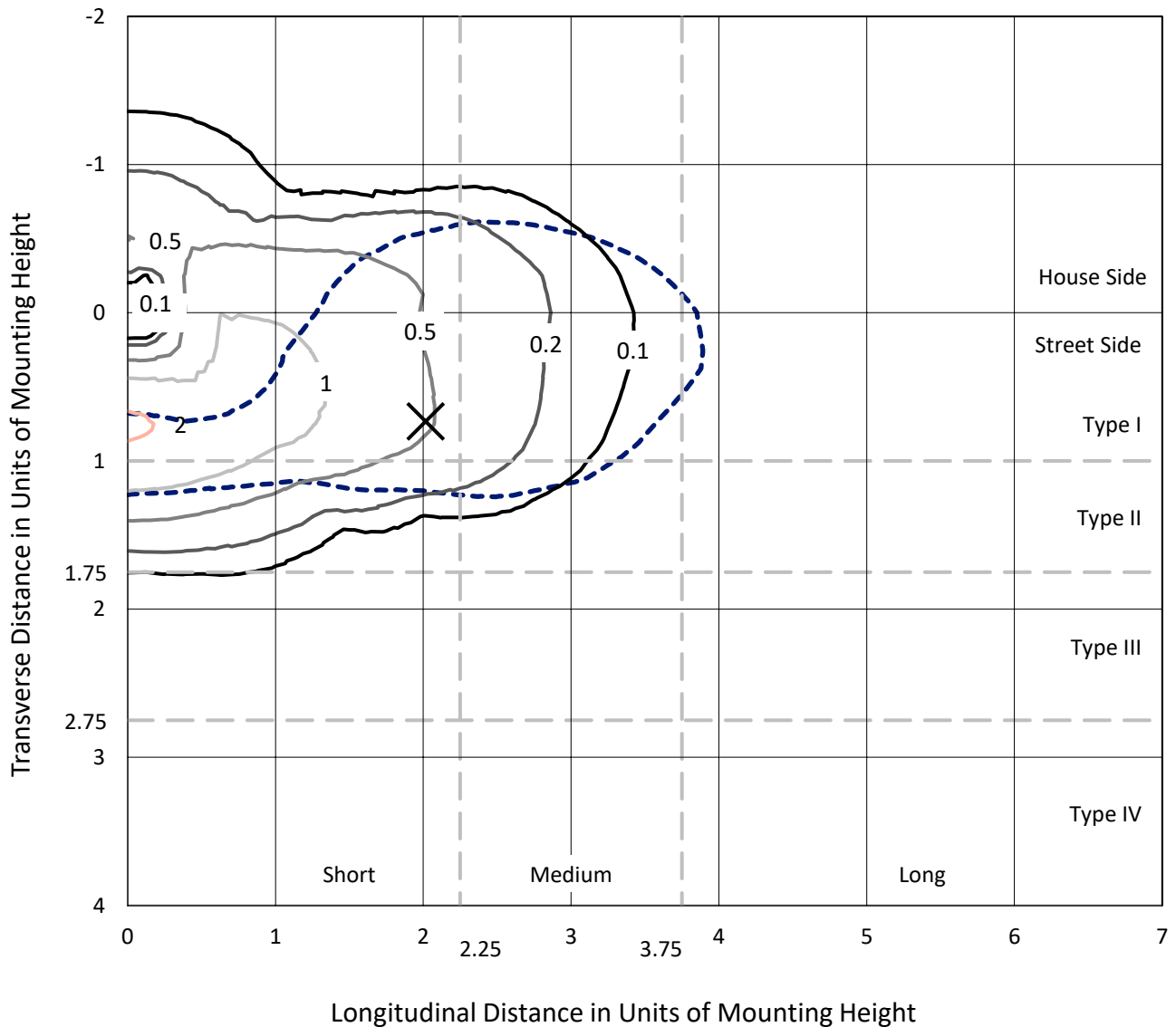
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

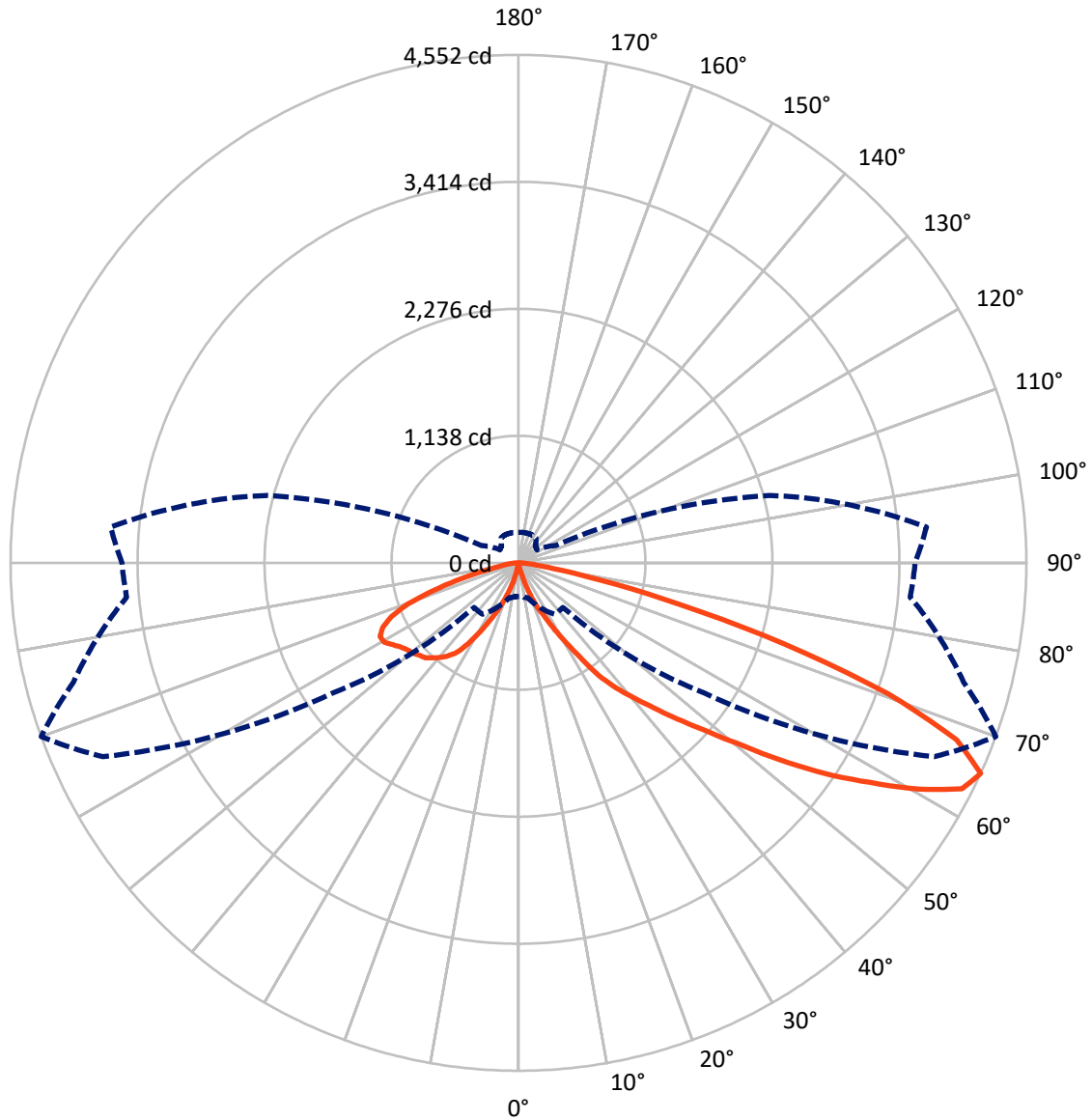
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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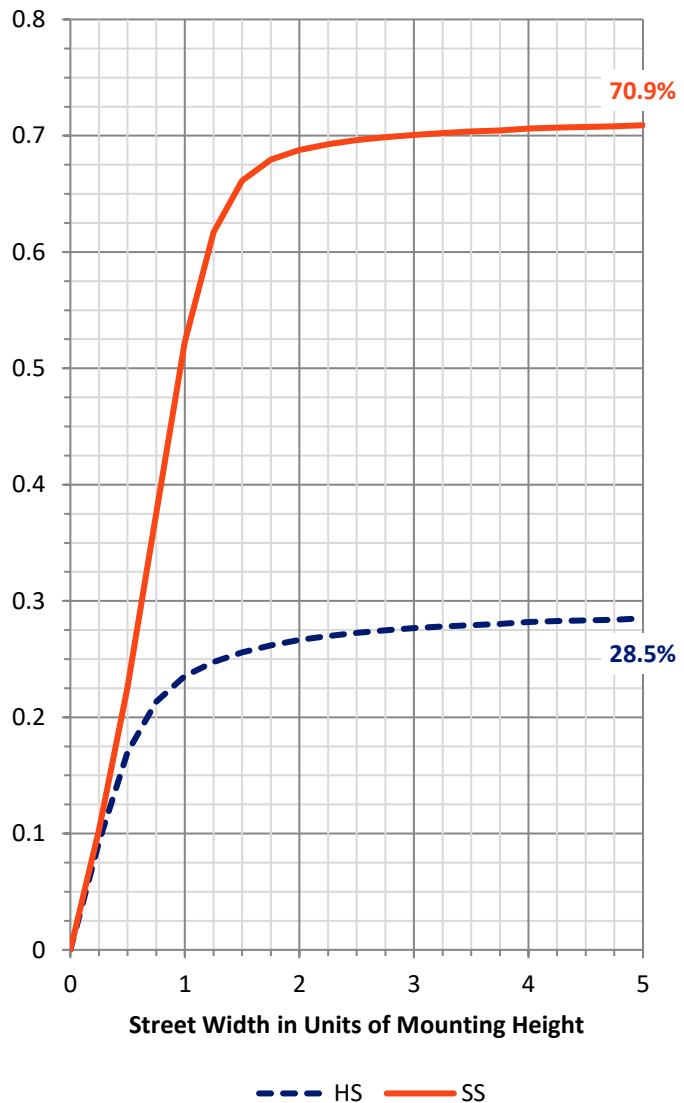
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1630.2	0.0	1630.2
	% Fixture	28.9	0.0	28.9
Street Side	Lumens	4012.8	0.0	4012.8
	% Fixture	71.1	0.0	71.1
Total	Lumens	5643.0	0.0	5643.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	41.4	0.7
20°-30°	260.1	4.6
30°-40°	691.9	12.3
40°-50°	1184.3	21.0
50°-60°	1448.8	25.7
60°-70°	1300.9	23.1
70°-80°	640.8	11.4
80°-90°	74.6	1.3
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°	5643.0	100.0
0°-180°	5643.0	100.0

Coefficient of Utilization



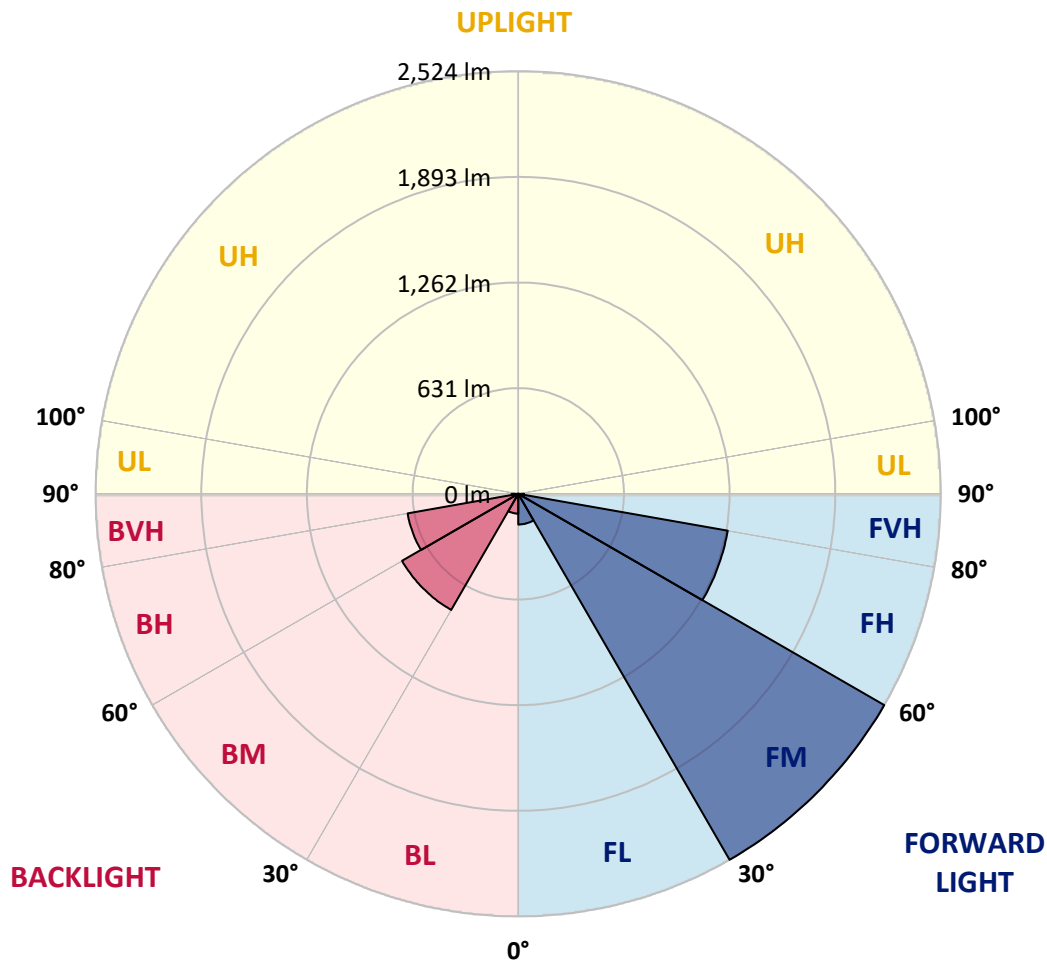
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	183.2	3.2			
FM (30°-60°)	2523.9	44.7			
FH (60°-80°)	1270.6	22.5			G1/1800
FVH (80°-90°)	35.2	0.6			G1/100
BL (0°-30°)	118.5	2.1	B1/500		
BM (30°-60°)	801.1	14.2	B1/1000		
BH (60°-80°)	671.2	11.9	B2/1000		G2/1000
BVH (80°-90°)	39.4	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0
5°	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0
7.5°	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0
10°	13.2	13.2	11.3	7.5	3.8	1.9	1.9	3.8	3.8	3.8	5.6
12.5°	169.1	171.0	165.3	114.6	22.5	7.5	7.5	22.5	58.2	78.9	88.3
15°	193.5	193.5	189.8	186.0	178.5	39.5	71.4	109.0	114.6	163.5	182.2
17.5°	264.9	251.8	223.6	210.4	202.9	216.1	159.7	202.9	208.6	212.3	225.5
20°	503.5	494.1	477.2	396.4	279.9	308.1	293.1	261.2	313.8	326.9	332.6
22.5°	601.2	591.8	574.9	537.3	492.3	357.0	396.4	362.6	437.8	456.6	452.8
25°	1018.3	1012.7	862.4	642.6	640.7	559.9	522.3	490.4	511.0	574.9	605.0
27.5°	1176.2	1174.3	1127.3	1016.5	745.9	687.7	625.7	667.0	652.0	730.9	755.3
30°	1681.6	1582.0	1405.4	1166.8	1048.4	838.0	847.4	871.8	809.8	858.6	920.6
32.5°	2072.4	2055.5	1946.5	1555.7	1208.1	1033.4	1033.4	1042.8	999.5	1037.1	1106.6
35°	2427.5	2393.6	2224.5	1850.7	1533.1	1255.1	1198.7	1251.3	1240.0	1240.0	1198.7
37.5°	2652.9	2645.4	2513.9	2130.6	1773.6	1439.2	1394.1	1422.3	1424.2	1429.8	1307.7
40°	2867.1	2848.3	2767.5	2384.2	2083.6	1672.2	1583.9	1629.0	1589.5	1615.8	1446.7
42.5°	2978.0	2953.5	2906.6	2647.3	2425.6	2100.5	1843.1	1815.0	1775.5	1805.6	1613.9
45°	2991.1	2936.6	2949.8	2807.0	2705.5	2472.6	2102.4	2010.4	1995.3	2014.1	1807.4
47.5°	2807.0	2752.5	2844.6	2807.0	2867.1	2741.2	2448.1	2273.4	2241.5	2252.7	2008.5
50°	2382.4	2376.7	2506.4	2639.8	2891.5	2927.2	2876.5	2559.0	2542.1	2534.6	2237.7
52.5°	1967.1	1942.7	2057.3	2258.4	2679.2	2919.7	3226.0	2923.5	2931.0	2844.6	2466.9
55°	1499.3	1527.5	1642.1	1803.7	2218.9	2767.5	3498.4	3398.8	3336.8	3143.3	2694.3
57.5°	915.0	1005.2	1189.3	1354.6	1773.6	2378.6	3528.5	3814.0	3714.5	3445.8	2927.2
60°	533.6	535.5	680.1	962.0	1279.5	1704.1	3329.3	4174.8	4120.3	3765.2	3164.0
62.5°	373.9	381.4	422.7	663.2	800.4	1059.7	2823.9	4330.7	4460.4	4000.1	3400.7
65°	302.5	302.5	325.0	434.0	563.7	563.7	2032.9	4110.9	4552.4	4129.7	3524.7
67.5°	283.7	283.7	295.0	317.5	435.9	372.0	992.0	3554.8	4234.9	4060.2	3541.6
70°	251.8	251.8	274.3	283.7	340.1	285.6	426.5	2671.7	3513.4	3699.4	3427.0
72.5°	212.3	216.1	234.9	268.7	266.8	225.5	289.3	1617.7	2489.5	2927.2	3148.9
75°	174.7	178.5	191.6	219.8	246.1	171.0	231.1	798.5	1489.9	1955.9	2525.2
77.5°	137.2	135.3	154.1	178.5	201.0	131.5	169.1	347.6	742.1	1106.6	1510.6
80°	92.1	92.1	110.9	135.3	139.0	124.0	116.5	217.9	310.0	454.7	601.2
82.5°	58.2	60.1	71.4	84.5	95.8	105.2	84.5	133.4	161.6	184.1	172.9
85°	13.2	11.3	18.8	24.4	35.7	37.6	41.3	45.1	56.4	60.1	52.6
87.5°	0.0	0.0	1.9	1.9	1.9	3.8	3.8	7.5	7.5	9.4	9.4
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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
5°	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0
7.5°	0.0	0.0	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
10°	5.6	5.6	3.8	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	92.1	90.2	84.5	26.3	7.5	1.9	0.0	1.9	3.8	5.6	7.5
15°	184.1	182.2	172.9	116.5	97.7	13.2	5.6	26.3	120.2	167.2	172.9
17.5°	225.5	227.3	217.9	214.2	155.9	99.6	105.2	197.3	206.7	210.4	210.4
20°	332.6	330.7	325.0	291.2	217.9	195.4	251.8	216.1	223.6	231.1	234.9
22.5°	450.9	447.2	439.6	351.3	306.3	311.9	274.3	291.2	390.8	396.4	398.3
25°	591.8	578.7	537.3	458.4	441.5	379.5	404.0	375.8	383.3	385.2	383.3
27.5°	734.6	719.6	623.8	576.8	526.1	398.3	415.2	383.3	430.3	479.1	479.1
30°	884.9	856.8	745.9	702.7	595.6	479.1	405.8	424.6	434.0	432.1	432.1
32.5°	1052.2	999.5	854.9	856.8	636.9	477.2	419.0	387.0	407.7	479.1	481.0
35°	1140.5	1072.8	990.1	956.3	687.7	439.6	372.0	402.1	437.8	441.5	439.6
37.5°	1228.8	1140.5	1046.5	1039.0	661.4	400.2	364.5	381.4	396.4	390.8	390.8
40°	1347.1	1243.8	1153.6	1042.8	618.1	362.6	349.5	358.9	360.7	355.1	355.1
42.5°	1495.6	1375.3	1283.2	1010.8	539.2	338.2	334.4	340.1	343.8	336.3	334.4
45°	1670.3	1529.4	1412.9	973.2	439.6	325.0	326.9	326.9	332.6	325.0	323.2
47.5°	1869.4	1722.9	1505.0	924.4	372.0	313.8	321.3	317.5	321.3	311.9	310.0
50°	2093.0	1927.7	1632.7	856.8	336.3	298.7	317.5	306.3	310.0	304.4	304.4
52.5°	2301.6	2158.8	1756.7	774.1	308.1	287.5	304.4	304.4	308.1	302.5	300.6
55°	2530.8	2410.6	1903.3	691.4	279.9	278.1	302.5	306.3	304.4	298.7	298.7
57.5°	2767.5	2707.4	2049.8	642.6	255.5	261.2	300.6	308.1	302.5	296.9	295.0
60°	3043.7	3079.4	2194.5	603.1	233.0	244.2	295.0	300.6	296.9	291.2	291.2
62.5°	3334.9	3457.1	2307.2	503.5	217.9	229.2	283.7	291.2	285.6	283.7	283.7
65°	3554.8	3669.4	2331.6	366.4	202.9	214.2	272.4	278.1	276.2	274.3	274.3
67.5°	3646.8	3678.8	2217.0	261.2	187.9	201.0	259.3	266.8	261.2	264.9	263.0
70°	3598.0	3434.5	1901.4	216.1	172.9	184.1	242.4	248.0	244.2	253.6	249.9
72.5°	3207.2	2872.7	1418.5	182.2	159.7	167.2	223.6	227.3	225.5	229.2	221.7
75°	2433.1	2040.4	886.8	161.6	144.7	148.4	199.2	206.7	201.0	199.2	191.6
77.5°	1403.5	1230.6	443.4	146.5	129.6	127.8	174.7	180.4	176.6	165.3	169.1
80°	520.4	430.3	199.2	127.8	112.7	107.1	144.7	150.3	146.5	135.3	135.3
82.5°	150.3	139.0	122.1	105.2	97.7	84.5	116.5	122.1	120.2	114.6	107.1
85°	47.0	48.8	62.0	67.6	71.4	60.1	88.3	88.3	80.8	73.3	60.1
87.5°	5.6	9.4	11.3	18.8	22.5	16.9	22.5	24.4	22.5	15.0	15.0
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)