

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: P695080

Luminaire Tested: **LXF.LXT-PA16-40-730-U-T2U**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695080
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-PA16-40-730-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4482 lumens
Efficiency: N/A
Efficacy: 111.5 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

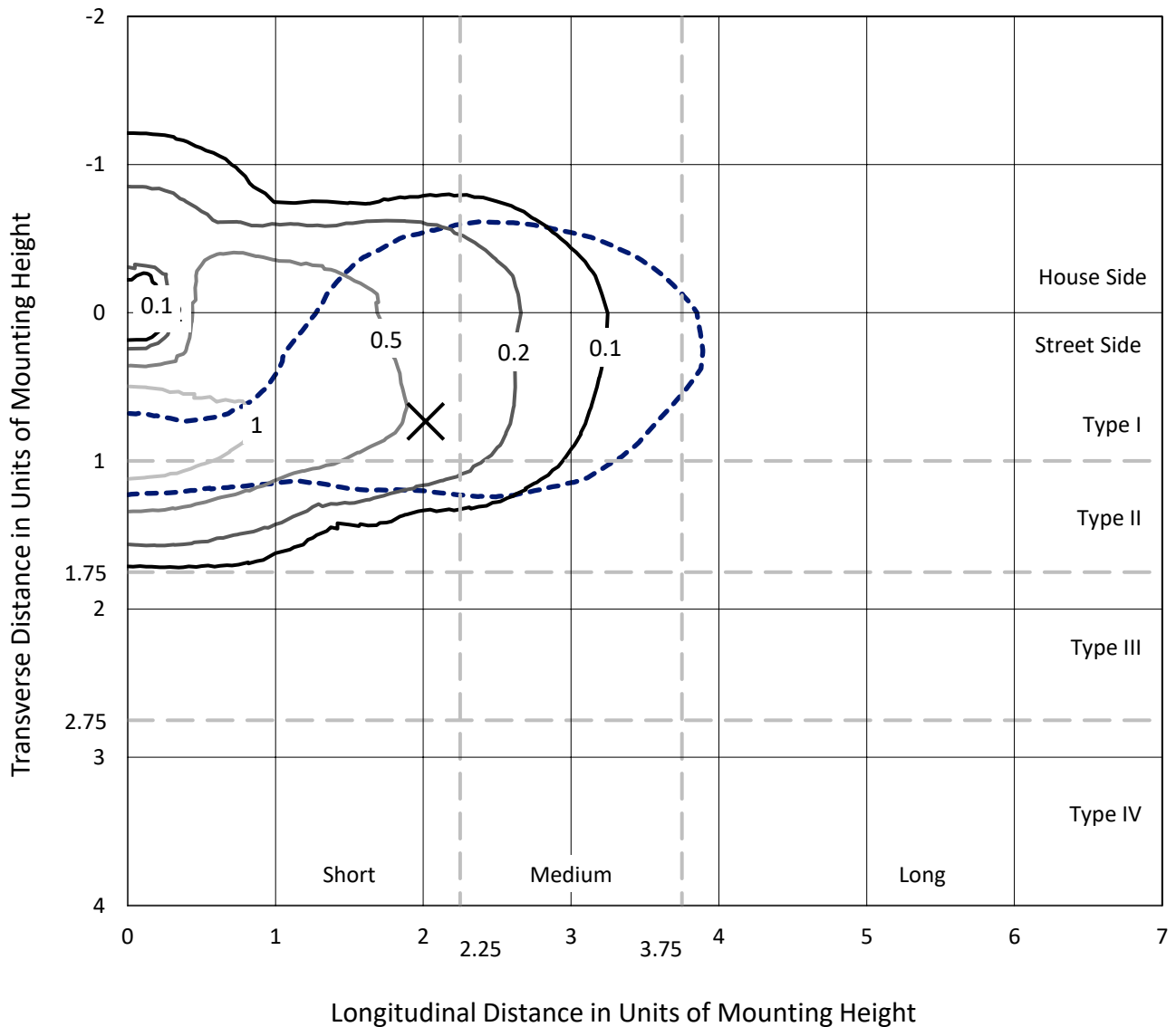
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

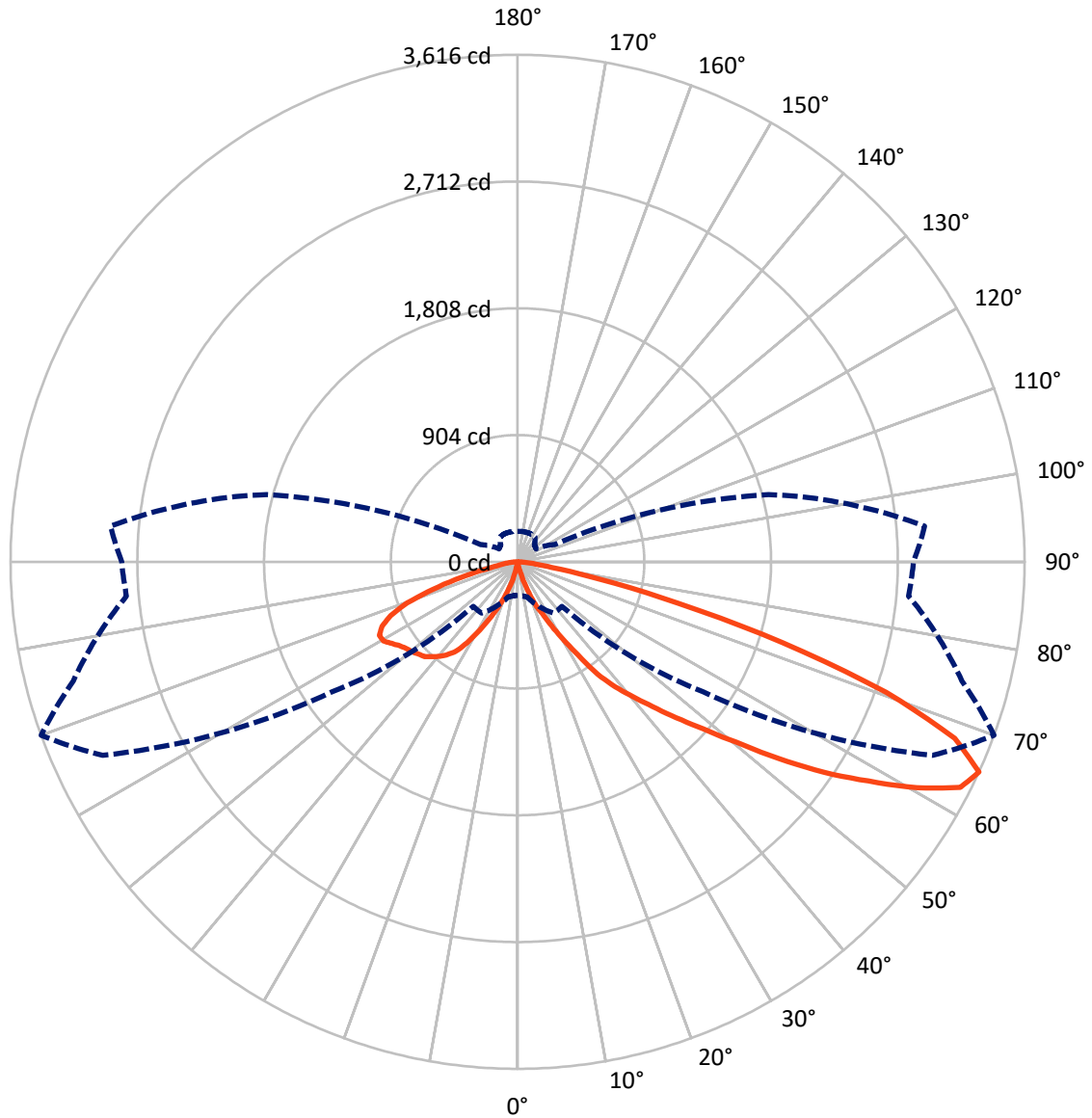
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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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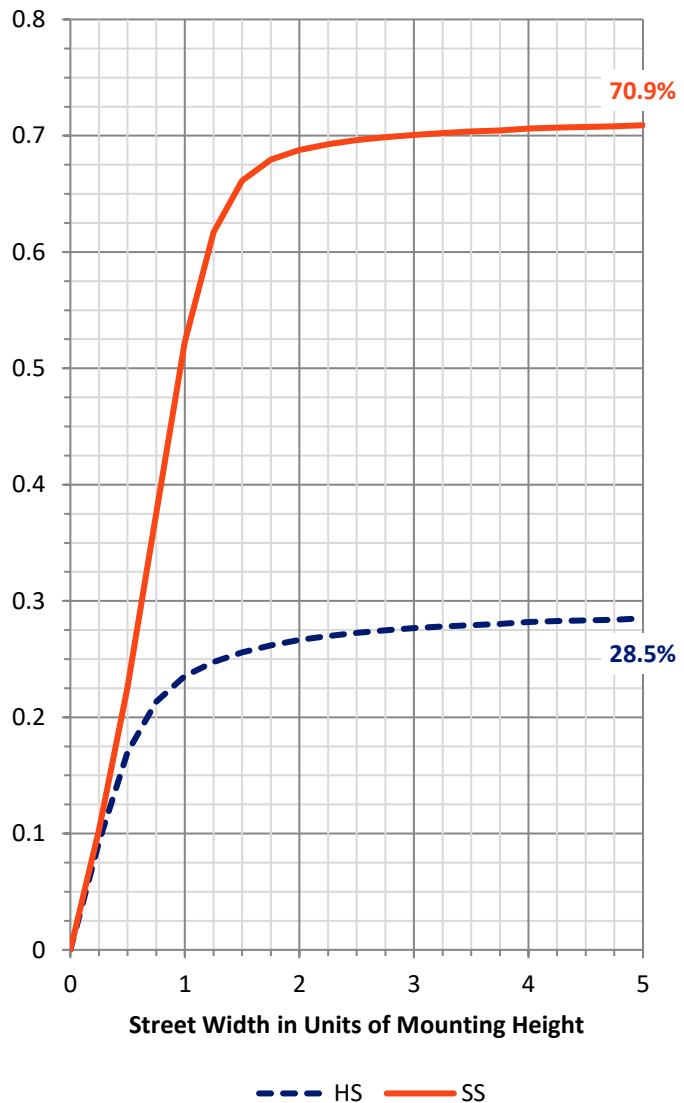
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1294.8	0.0	1294.8
	% Fixture	28.9	0.0	28.9
Street Side	Lumens	3187.2	0.0	3187.2
	% Fixture	71.1	0.0	71.1
Total	Lumens	4482.0	0.0	4482.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	32.9	0.7
20°-30°	206.6	4.6
30°-40°	549.5	12.3
40°-50°	940.6	21.0
50°-60°	1150.7	25.7
60°-70°	1033.3	23.1
70°-80°	509.0	11.4
80°-90°	59.3	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°	4482.0	100.0
0°-180°	4482.0	100.0

Coefficient of Utilization



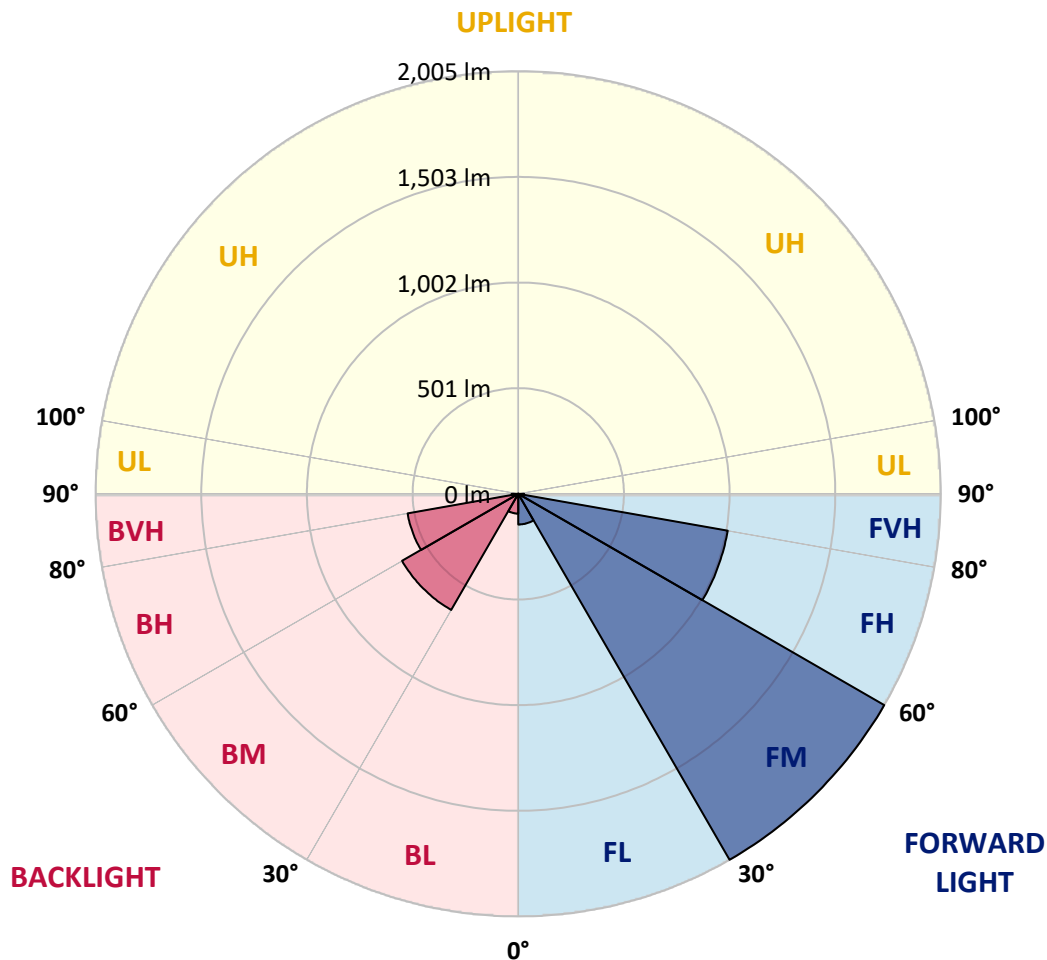
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	145.5	3.2			
FM (30°-60°)	2004.6	44.7			
FH (60°-80°)	1009.2	22.5			G1/1800
FVH (80°-90°)	28.0	0.6			G1/100
BL (0°-30°)	94.1	2.1	B0/110		
BM (30°-60°)	636.3	14.2	B1/1000		
BH (60°-80°)	533.1	11.9	B2/1000		G2/1000
BVH (80°-90°)	31.3	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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0
5°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0
7.5°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0
10°	10.4	10.4	9.0	6.0	3.0	1.5	1.5	3.0	3.0	3.0	4.5
12.5°	134.3	135.8	131.3	91.0	17.9	6.0	6.0	17.9	46.3	62.7	70.1
15°	153.7	153.7	150.7	147.7	141.8	31.3	56.7	86.6	91.0	129.8	144.8
17.5°	210.4	200.0	177.6	167.1	161.2	171.6	126.8	161.2	165.6	168.6	179.1
20°	399.9	392.5	379.0	314.9	222.4	244.7	232.8	207.4	249.2	259.7	264.1
22.5°	477.5	470.1	456.6	426.8	391.0	283.5	314.9	288.0	347.7	362.6	359.6
25°	808.8	804.3	685.0	510.4	508.9	444.7	414.9	389.5	405.9	456.6	480.5
27.5°	934.2	932.7	895.4	807.3	592.4	546.2	496.9	529.8	517.8	580.5	599.9
30°	1335.6	1256.5	1116.2	926.7	832.7	665.6	673.0	692.4	643.2	682.0	731.2
32.5°	1646.0	1632.6	1546.0	1235.6	959.5	820.8	820.8	828.2	793.9	823.7	879.0
35°	1928.0	1901.2	1766.9	1469.9	1217.7	996.8	952.1	993.9	984.9	984.9	952.1
37.5°	2107.1	2101.1	1996.7	1692.3	1408.7	1143.1	1107.3	1129.7	1131.2	1135.6	1038.6
40°	2277.2	2262.3	2198.1	1893.7	1654.9	1328.1	1258.0	1293.8	1262.5	1283.4	1149.1
42.5°	2365.3	2345.9	2308.6	2102.6	1926.5	1668.4	1463.9	1441.5	1410.2	1434.1	1281.9
45°	2375.7	2332.4	2342.9	2229.5	2148.9	1963.8	1669.9	1596.7	1584.8	1599.7	1435.6
47.5°	2229.5	2186.2	2259.3	2229.5	2277.2	2177.2	1944.4	1805.7	1780.3	1789.2	1595.3
50°	1892.2	1887.7	1990.7	2096.7	2296.6	2325.0	2284.7	2032.5	2019.1	2013.1	1777.3
52.5°	1562.4	1543.0	1634.1	1793.7	2128.0	2319.0	2562.3	2322.0	2328.0	2259.3	1959.4
55°	1190.8	1213.2	1304.3	1432.6	1762.4	2198.1	2778.6	2699.5	2650.3	2496.6	2139.9
57.5°	726.7	798.4	944.6	1075.9	1408.7	1889.2	2802.5	3029.3	2950.2	2736.9	2325.0
60°	423.8	425.3	540.2	764.0	1016.2	1353.5	2644.3	3315.9	3272.6	2990.5	2513.0
62.5°	297.0	302.9	335.8	526.8	635.7	841.6	2242.9	3439.7	3542.7	3177.1	2701.0
65°	240.3	240.3	258.2	344.7	447.7	447.7	1614.7	3265.1	3615.8	3280.0	2799.5
67.5°	225.3	225.3	234.3	252.2	346.2	295.5	787.9	2823.4	3363.6	3224.8	2813.0
70°	200.0	200.0	217.9	225.3	270.1	226.8	338.7	2122.0	2790.6	2938.3	2721.9
72.5°	168.6	171.6	186.5	213.4	211.9	179.1	229.8	1284.9	1977.3	2325.0	2501.1
75°	138.8	141.8	152.2	174.6	195.5	135.8	183.6	634.2	1183.4	1553.5	2005.6
77.5°	108.9	107.4	122.4	141.8	159.7	104.5	134.3	276.1	589.5	879.0	1199.8
80°	73.1	73.1	88.0	107.4	110.4	98.5	92.5	173.1	246.2	361.1	477.5
82.5°	46.3	47.8	56.7	67.2	76.1	83.6	67.2	106.0	128.3	146.2	137.3
85°	10.4	9.0	14.9	19.4	28.4	29.8	32.8	35.8	44.8	47.8	41.8
87.5°	0.0	0.0	1.5	1.5	1.5	3.0	3.0	6.0	6.0	7.5	7.5
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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
5°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0
7.5°	0.0	0.0	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
10°	4.5	4.5	3.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	73.1	71.6	67.2	20.9	6.0	1.5	0.0	1.5	3.0	4.5	6.0
15°	146.2	144.8	137.3	92.5	77.6	10.4	4.5	20.9	95.5	132.8	137.3
17.5°	179.1	180.6	173.1	170.1	123.9	79.1	83.6	156.7	164.2	167.1	167.1
20°	264.1	262.6	258.2	231.3	173.1	155.2	200.0	171.6	177.6	183.6	186.5
22.5°	358.1	355.2	349.2	279.1	243.2	247.7	217.9	231.3	310.4	314.9	316.4
25°	470.1	459.6	426.8	364.1	350.7	301.4	320.8	298.5	304.4	305.9	304.4
27.5°	583.5	571.5	495.4	458.1	417.8	316.4	329.8	304.4	341.7	380.5	380.5
30°	702.9	680.5	592.4	558.1	473.1	380.5	322.3	337.3	344.7	343.2	343.2
32.5°	835.7	793.9	679.0	680.5	505.9	379.0	332.8	307.4	323.8	380.5	382.0
35°	905.8	852.1	786.4	759.6	546.2	349.2	295.5	319.3	347.7	350.7	349.2
37.5°	976.0	905.8	831.2	825.2	525.3	317.9	289.5	302.9	314.9	310.4	310.4
40°	1070.0	987.9	916.3	828.2	491.0	288.0	277.6	285.0	286.5	282.0	282.0
42.5°	1187.9	1092.4	1019.2	802.8	428.3	268.6	265.6	270.1	273.1	267.1	265.6
45°	1326.6	1214.7	1122.2	773.0	349.2	258.2	259.7	259.7	264.1	258.2	256.7
47.5°	1484.8	1368.4	1195.3	734.2	295.5	249.2	255.2	252.2	255.2	247.7	246.2
50°	1662.4	1531.1	1296.8	680.5	267.1	237.3	252.2	243.2	246.2	241.8	241.8
52.5°	1828.0	1714.6	1395.3	614.8	244.7	228.3	241.8	241.8	244.7	240.3	238.8
55°	2010.1	1914.6	1511.7	549.2	222.4	220.9	240.3	243.2	241.8	237.3	237.3
57.5°	2198.1	2150.4	1628.1	510.4	203.0	207.4	238.8	244.7	240.3	235.8	234.3
60°	2417.5	2445.9	1743.0	479.0	185.0	194.0	234.3	238.8	235.8	231.3	231.3
62.5°	2648.8	2745.8	1832.5	399.9	173.1	182.1	225.3	231.3	226.8	225.3	225.3
65°	2823.4	2914.4	1851.9	291.0	161.2	170.1	216.4	220.9	219.4	217.9	217.9
67.5°	2896.5	2921.9	1760.9	207.4	149.2	159.7	205.9	211.9	207.4	210.4	208.9
70°	2857.7	2727.9	1510.2	171.6	137.3	146.2	192.5	197.0	194.0	201.5	198.5
72.5°	2547.3	2281.7	1126.7	144.8	126.8	132.8	177.6	180.6	179.1	182.1	176.1
75°	1932.5	1620.6	704.4	128.3	114.9	117.9	158.2	164.2	159.7	158.2	152.2
77.5°	1114.7	977.4	352.2	116.4	103.0	101.5	138.8	143.3	140.3	131.3	134.3
80°	413.4	341.7	158.2	101.5	89.5	85.1	114.9	119.4	116.4	107.4	107.4
82.5°	119.4	110.4	97.0	83.6	77.6	67.2	92.5	97.0	95.5	91.0	85.1
85°	37.3	38.8	49.2	53.7	56.7	47.8	70.1	70.1	64.2	58.2	47.8
87.5°	4.5	7.5	9.0	14.9	17.9	13.4	17.9	19.4	17.9	11.9	11.9
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)