

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: P694780

Luminaire Tested: **LXF.LXT-PA16-30-727-U-T2U**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694780
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-PA16-30-727-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3267 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

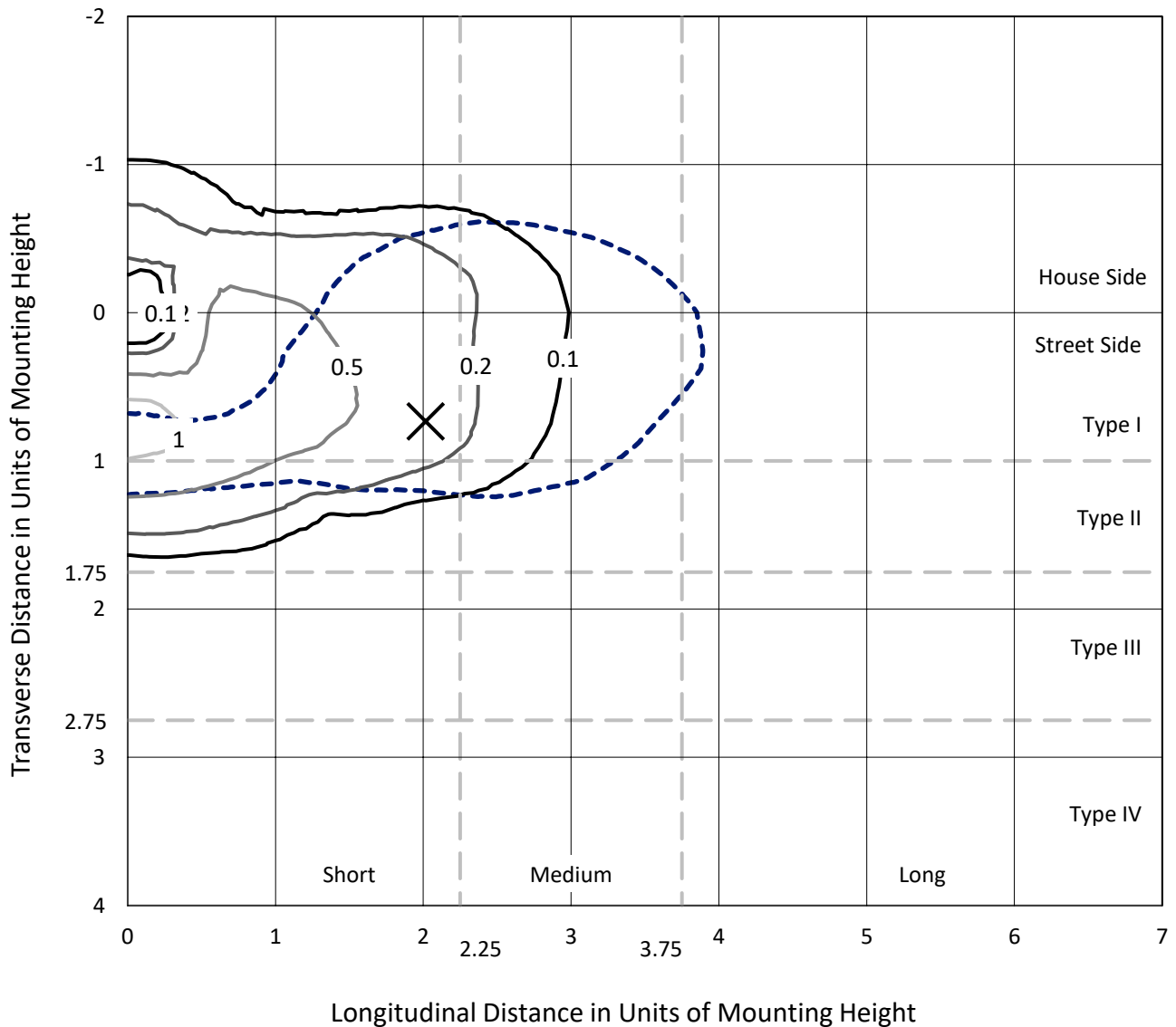
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

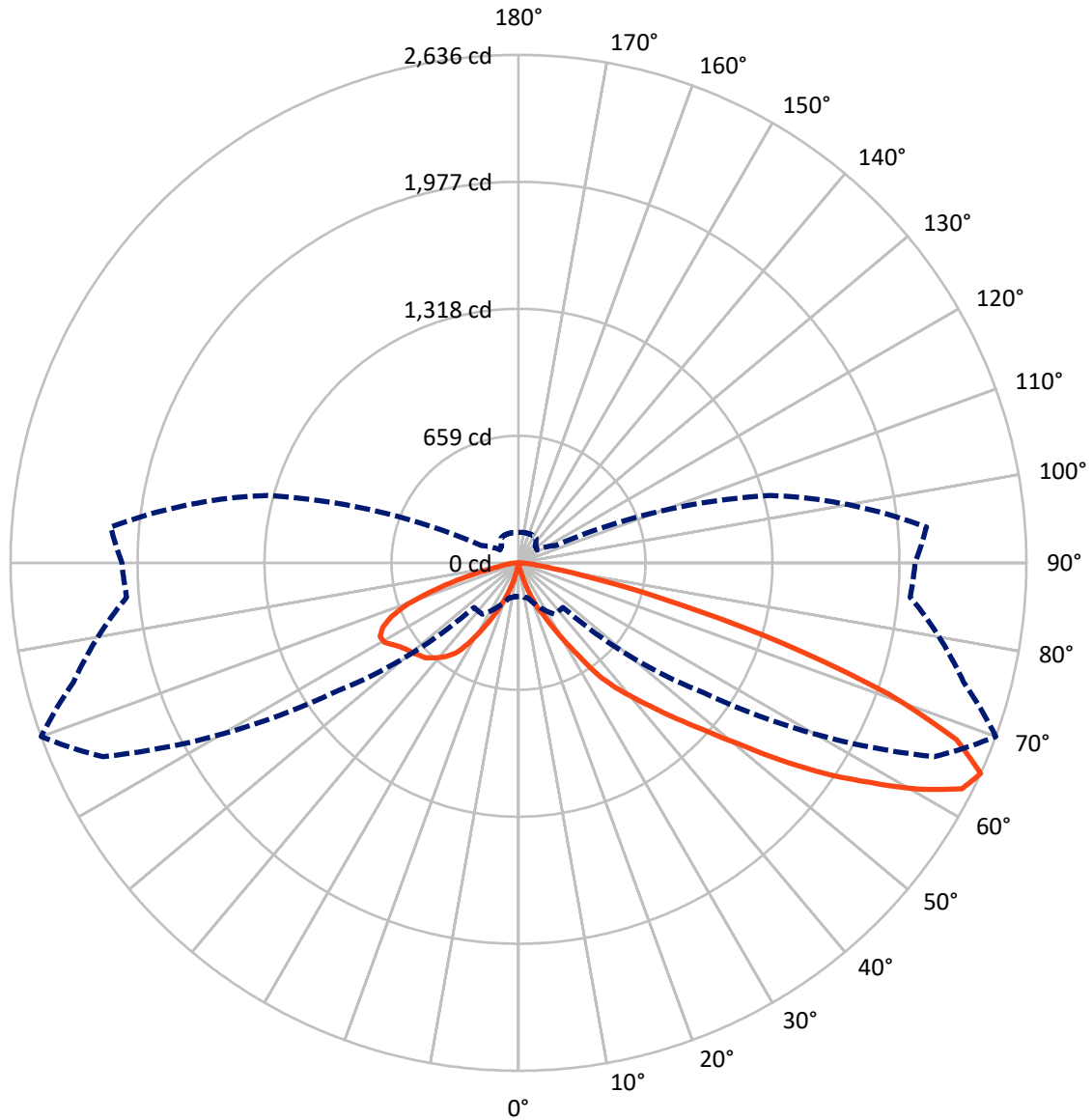
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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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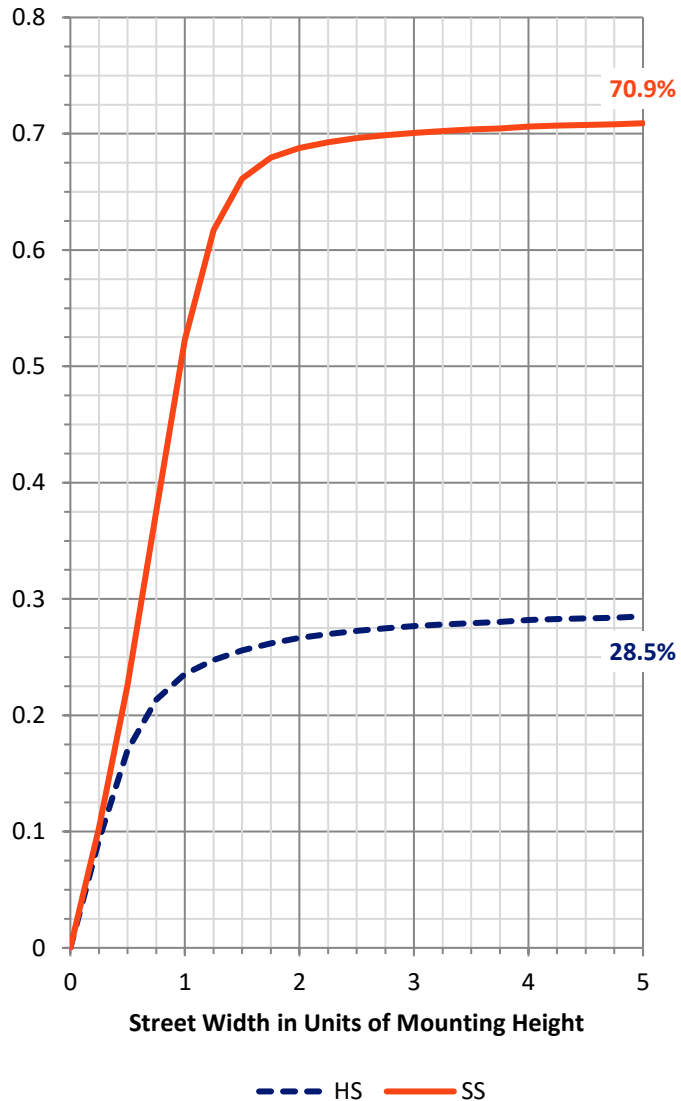
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	943.8	0.0	943.8
	% Fixture	28.9	0.0	28.9
Street Side	Lumens	2323.2	0.0	2323.2
	% Fixture	71.1	0.0	71.1
Total	Lumens	3267.0	0.0	3267.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	24.0	0.7
20°-30°	150.6	4.6
30°-40°	400.6	12.3
40°-50°	685.6	21.0
50°-60°	838.8	25.7
60°-70°	753.2	23.1
70°-80°	371.0	11.4
80°-90°	43.2	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°	3267.0	100.0
0°-180°	3267.0	100.0

Coefficient of Utilization



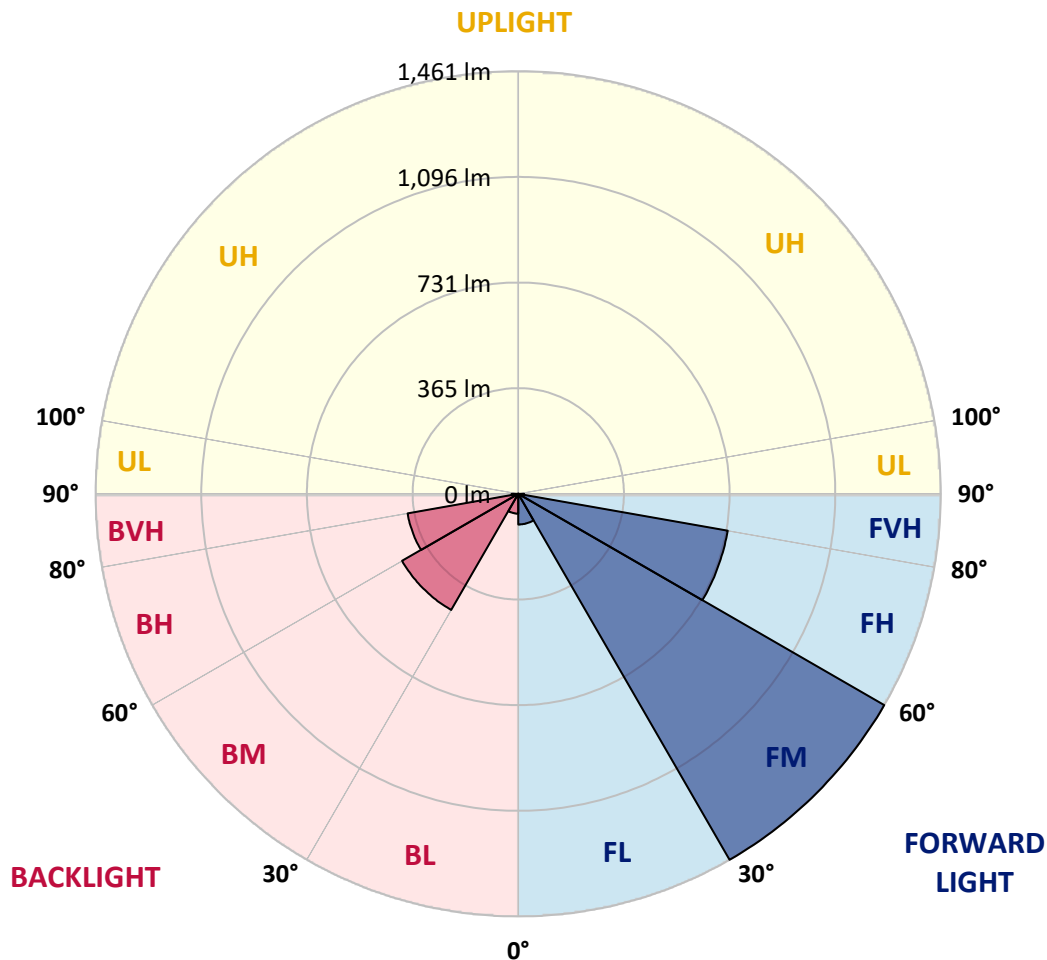
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	106.0	3.2			
FM (30°-60°)	1461.2	44.7			
FH (60°-80°)	735.6	22.5			G1/1800
FVH (80°-90°)	20.4	0.6			G1/100
BL (0°-30°)	68.6	2.1	B0/110		
BM (30°-60°)	463.8	14.2	B1/1000		
BH (60°-80°)	388.6	11.9	B1/500		G1/500
BVH (80°-90°)	22.8	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0
5°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0
7.5°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0
10°	7.6	7.6	6.5	4.4	2.2	1.1	1.1	2.2	2.2	2.2	3.3
12.5°	97.9	99.0	95.7	66.4	13.1	4.4	4.4	13.1	33.7	45.7	51.1
15°	112.0	112.0	109.9	107.7	103.3	22.8	41.3	63.1	66.4	94.6	105.5
17.5°	153.4	145.8	129.4	121.8	117.5	125.1	92.5	117.5	120.7	122.9	130.5
20°	291.5	286.1	276.3	229.5	162.1	178.4	169.7	151.2	181.7	189.3	192.5
22.5°	348.1	342.6	332.9	311.1	285.0	206.7	229.5	209.9	253.4	264.3	262.1
25°	589.6	586.3	499.3	372.0	370.9	324.1	302.4	283.9	295.9	332.9	350.3
27.5°	680.9	679.8	652.6	588.5	431.8	398.1	362.2	386.2	377.4	423.1	437.3
30°	973.5	915.9	813.6	675.5	607.0	485.1	490.6	504.7	468.8	497.1	533.0
32.5°	1199.8	1190.0	1126.9	900.7	699.4	598.3	598.3	603.7	578.7	600.4	640.7
35°	1405.4	1385.8	1287.9	1071.4	887.6	726.6	694.0	724.4	717.9	717.9	694.0
37.5°	1535.9	1531.6	1455.4	1233.5	1026.8	833.2	807.1	823.4	824.5	827.8	757.1
40°	1659.9	1649.0	1602.3	1380.4	1206.3	968.1	917.0	943.1	920.2	935.5	837.6
42.5°	1724.1	1709.9	1682.7	1532.6	1404.3	1216.1	1067.1	1050.8	1027.9	1045.3	934.4
45°	1731.7	1700.2	1707.8	1625.1	1566.4	1431.5	1217.2	1163.9	1155.2	1166.1	1046.4
47.5°	1625.1	1593.6	1646.9	1625.1	1659.9	1587.0	1417.3	1316.2	1297.7	1304.2	1162.8
50°	1379.3	1376.0	1451.1	1528.3	1674.0	1694.7	1665.3	1481.5	1471.7	1467.4	1295.5
52.5°	1138.9	1124.7	1191.1	1307.5	1551.1	1690.4	1867.7	1692.5	1696.9	1646.9	1428.2
55°	868.0	884.3	950.7	1044.2	1284.6	1602.3	2025.4	1967.7	1931.8	1819.8	1559.8
57.5°	529.7	581.9	688.5	784.3	1026.8	1377.1	2042.8	2208.1	2150.5	1994.9	1694.7
60°	308.9	310.0	393.8	556.9	740.8	986.6	1927.5	2417.0	2385.4	2179.9	1831.8
62.5°	216.5	220.8	244.7	384.0	463.4	613.5	1634.9	2507.3	2582.3	2315.8	1968.8
65°	175.1	175.1	188.2	251.3	326.3	326.3	1176.9	2380.0	2635.6	2390.9	2040.6
67.5°	164.3	164.3	170.8	183.8	252.4	215.4	574.3	2058.0	2451.8	2350.6	2050.4
70°	145.8	145.8	158.8	164.3	196.9	165.3	246.9	1546.8	2034.1	2141.8	1984.1
72.5°	122.9	125.1	136.0	155.5	154.5	130.5	167.5	936.6	1441.3	1694.7	1823.1
75°	101.2	103.3	111.0	127.3	142.5	99.0	133.8	462.3	862.6	1132.3	1461.9
77.5°	79.4	78.3	89.2	103.3	116.4	76.1	97.9	201.2	429.7	640.7	874.6
80°	53.3	53.3	64.2	78.3	80.5	71.8	67.4	126.2	179.5	263.2	348.1
82.5°	33.7	34.8	41.3	48.9	55.5	60.9	48.9	77.2	93.5	106.6	100.1
85°	7.6	6.5	10.9	14.1	20.7	21.8	23.9	26.1	32.6	34.8	30.5
87.5°	0.0	0.0	1.1	1.1	1.1	2.2	2.2	4.4	4.4	5.4	5.4
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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
5°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0
7.5°	0.0	0.0	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
10°	3.3	3.3	2.2	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	53.3	52.2	48.9	15.2	4.4	1.1	0.0	1.1	2.2	3.3	4.4
15°	106.6	105.5	100.1	67.4	56.6	7.6	3.3	15.2	69.6	96.8	100.1
17.5°	130.5	131.6	126.2	124.0	90.3	57.7	60.9	114.2	119.7	121.8	121.8
20°	192.5	191.4	188.2	168.6	126.2	113.1	145.8	125.1	129.4	133.8	136.0
22.5°	261.1	258.9	254.5	203.4	177.3	180.6	158.8	168.6	226.3	229.5	230.6
25°	342.6	335.0	311.1	265.4	255.6	219.7	233.9	217.5	221.9	223.0	221.9
27.5°	425.3	416.6	361.1	333.9	304.6	230.6	240.4	221.9	249.1	277.4	277.4
30°	512.3	496.0	431.8	406.8	344.8	277.4	235.0	245.8	251.3	250.2	250.2
32.5°	609.1	578.7	494.9	496.0	368.7	276.3	242.6	224.1	236.0	277.4	278.5
35°	660.3	621.1	573.2	553.7	398.1	254.5	215.4	232.8	253.4	255.6	254.5
37.5°	711.4	660.3	605.9	601.5	382.9	231.7	211.0	220.8	229.5	226.3	226.3
40°	779.9	720.1	667.9	603.7	357.9	209.9	202.3	207.8	208.8	205.6	205.6
42.5°	865.8	796.2	742.9	585.2	312.2	195.8	193.6	196.9	199.1	194.7	193.6
45°	967.0	885.4	818.0	563.5	254.5	188.2	189.3	189.3	192.5	188.2	187.1
47.5°	1082.3	997.5	871.3	535.2	215.4	181.7	186.0	183.8	186.0	180.6	179.5
50°	1211.8	1116.0	945.3	496.0	194.7	173.0	183.8	177.3	179.5	176.2	176.2
52.5°	1332.5	1249.8	1017.0	448.2	178.4	166.4	176.2	176.2	178.4	175.1	174.0
55°	1465.2	1395.6	1101.9	400.3	162.1	161.0	175.1	177.3	176.2	173.0	173.0
57.5°	1602.3	1567.4	1186.7	372.0	147.9	151.2	174.0	178.4	175.1	171.9	170.8
60°	1762.2	1782.8	1270.5	349.2	134.9	141.4	170.8	174.0	171.9	168.6	168.6
62.5°	1930.8	2001.5	1335.8	291.5	126.2	132.7	164.3	168.6	165.3	164.3	164.3
65°	2058.0	2124.4	1349.9	212.1	117.5	124.0	157.7	161.0	159.9	158.8	158.8
67.5°	2111.3	2129.8	1283.5	151.2	108.8	116.4	150.1	154.5	151.2	153.4	152.3
70°	2083.0	1988.4	1100.8	125.1	100.1	106.6	140.3	143.6	141.4	146.8	144.7
72.5°	1856.8	1663.2	821.3	105.5	92.5	96.8	129.4	131.6	130.5	132.7	128.4
75°	1408.6	1181.3	513.4	93.5	83.8	85.9	115.3	119.7	116.4	115.3	111.0
77.5°	812.5	712.5	256.7	84.8	75.1	74.0	101.2	104.4	102.2	95.7	97.9
80°	301.3	249.1	115.3	74.0	65.3	62.0	83.8	87.0	84.8	78.3	78.3
82.5°	87.0	80.5	70.7	60.9	56.6	48.9	67.4	70.7	69.6	66.4	62.0
85°	27.2	28.3	35.9	39.2	41.3	34.8	51.1	51.1	46.8	42.4	34.8
87.5°	3.3	5.4	6.5	10.9	13.1	9.8	13.1	14.1	13.1	8.7	8.7
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)