

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: P695770

Luminaire Tested: **LXF.LXT-PA16-60-827-U-T2U**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695770
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-PA16-60-827-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5268 lumens
Efficiency: N/A
Efficacy: 85.0 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

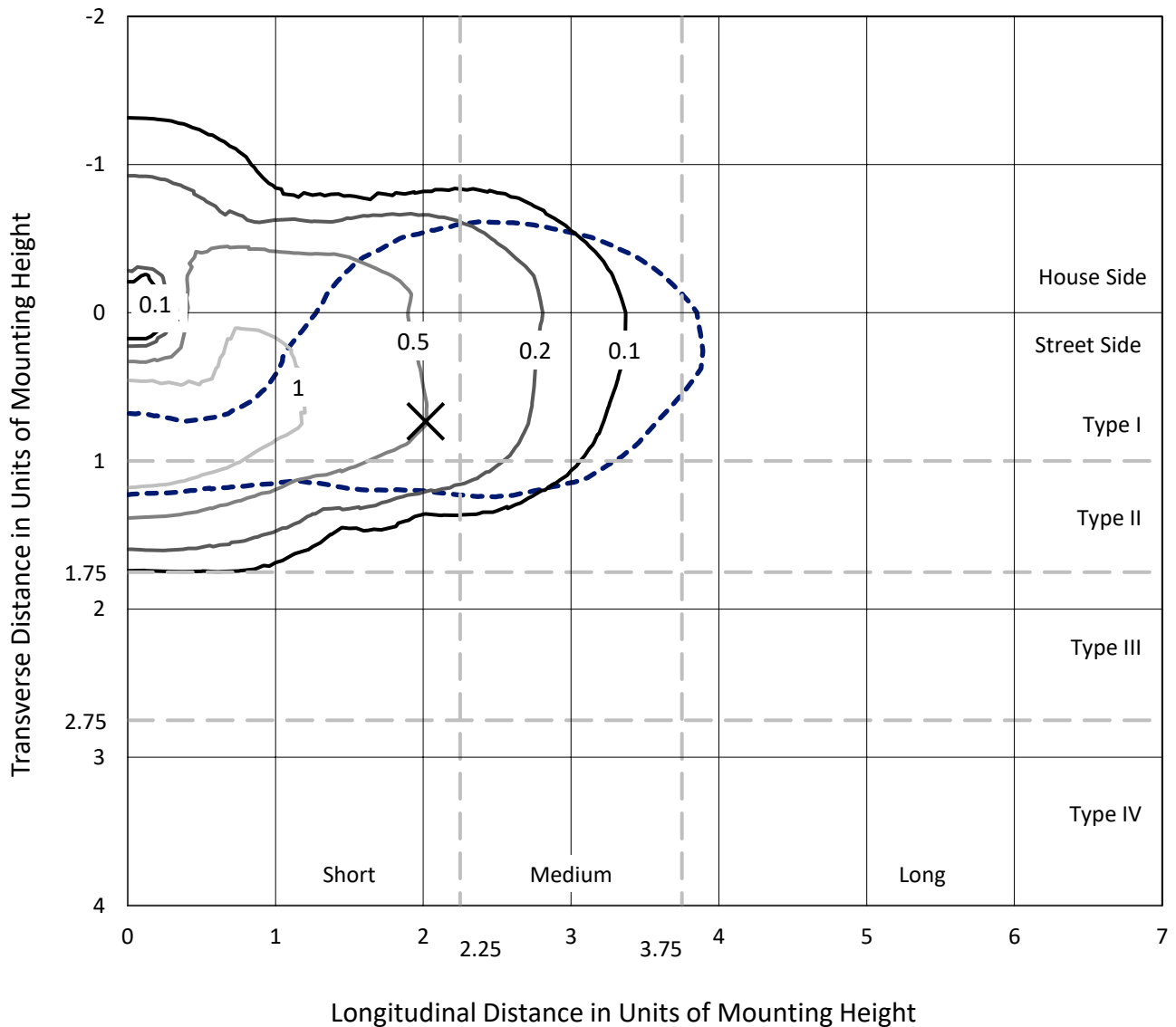
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

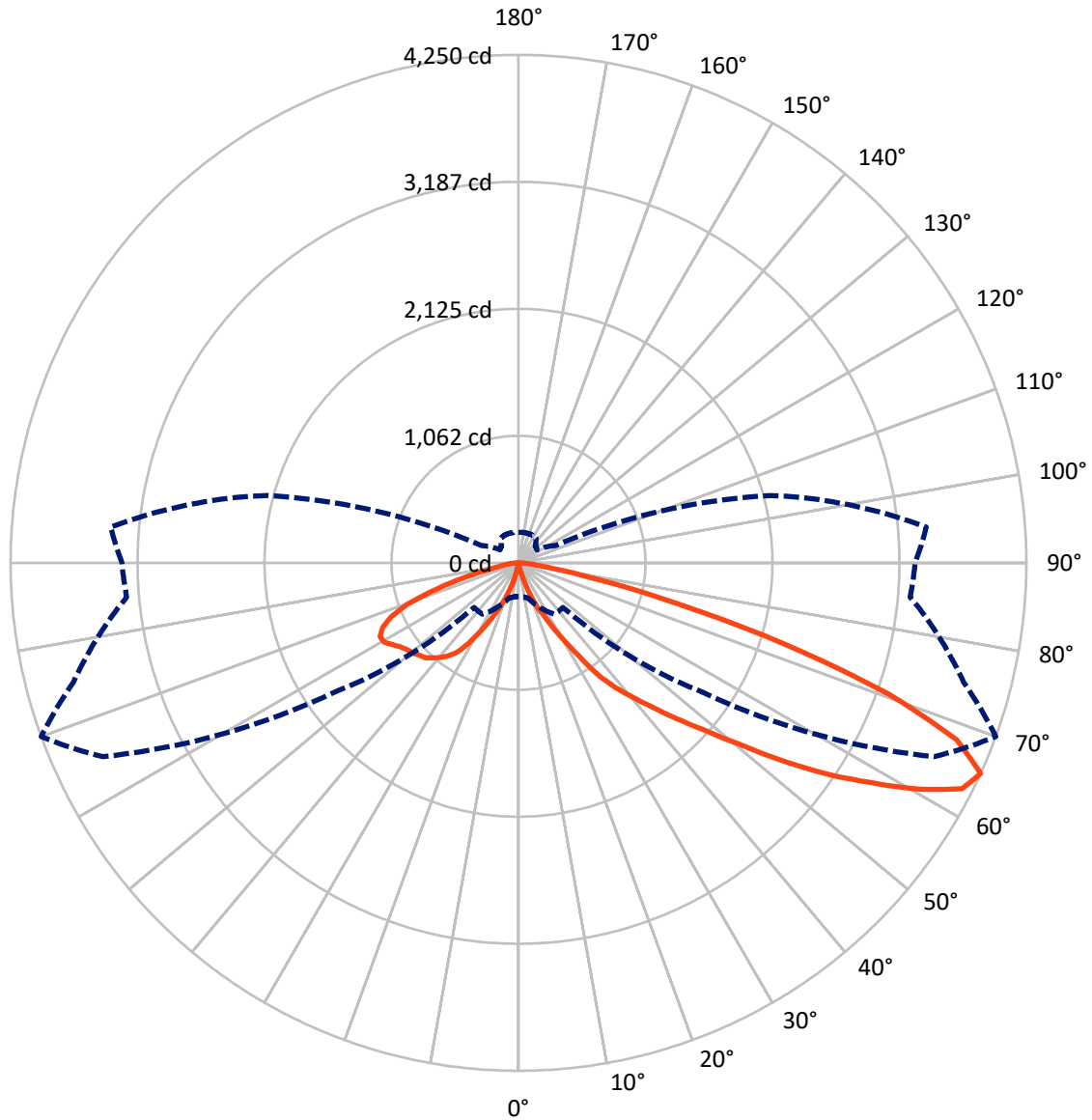
× Max cd
 - - - 1/2 Max cd



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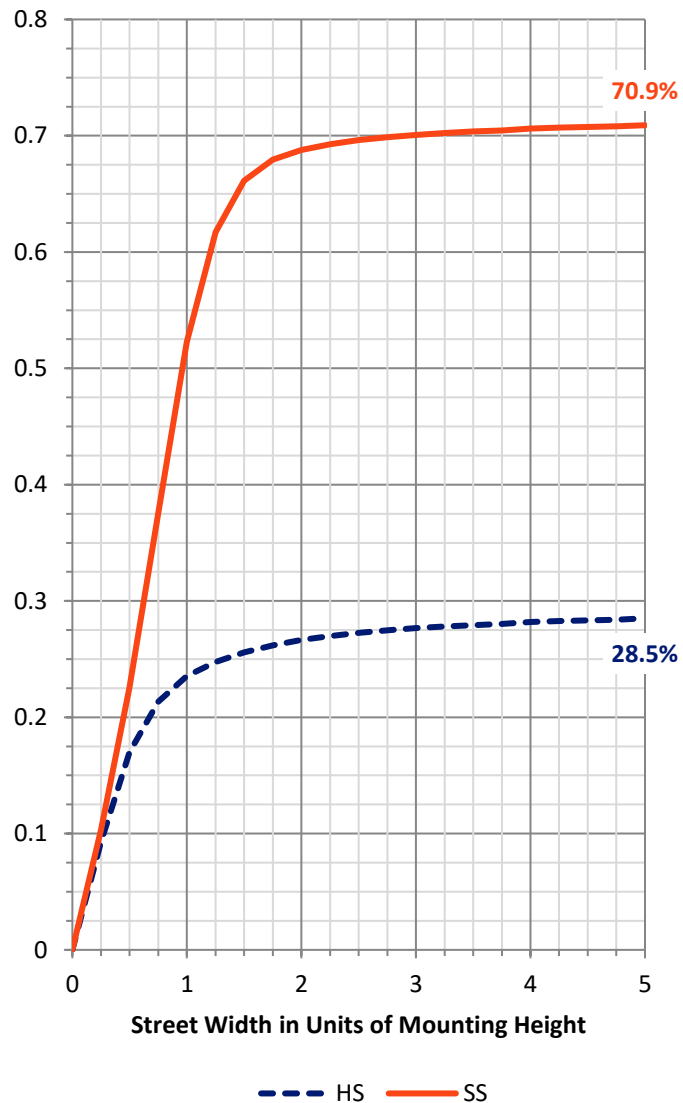
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1521.8	0.0	1521.8
	% Fixture	28.9	0.0	28.9
Street Side	Lumens	3746.2	0.0	3746.2
	% Fixture	71.1	0.0	71.1
Total	Lumens	5268.0	0.0	5268.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	38.6	0.7
20°-30°	242.8	4.6
30°-40°	645.9	12.3
40°-50°	1105.6	21.0
50°-60°	1352.5	25.7
60°-70°	1214.5	23.1
70°-80°	598.2	11.4
80°-90°	69.7	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°	5268.0	100.0
0°-180°	5268.0	100.0

Coefficient of Utilization

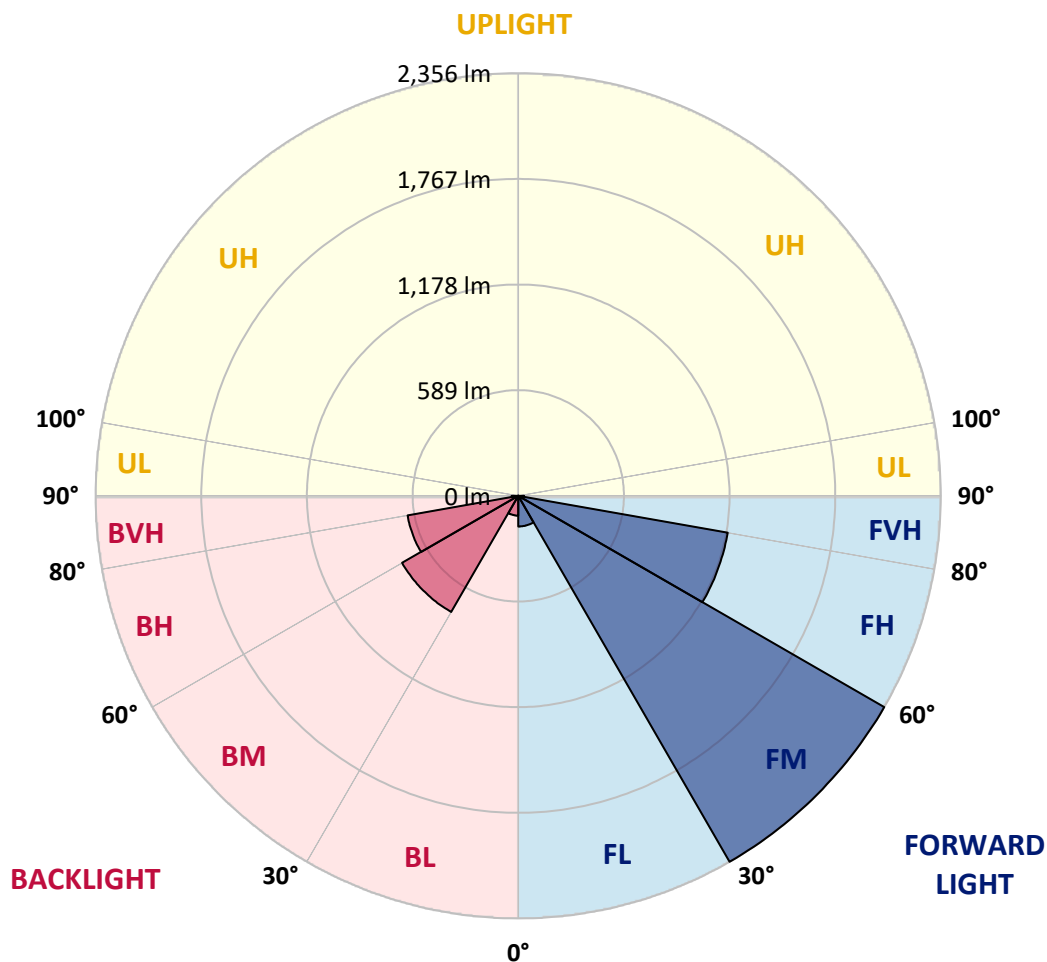


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	171.0	3.2			
FM (30°-60°)	2356.2	44.7			
FH (60°-80°)	1186.1	22.5			G1/1800
FVH (80°-90°)	32.9	0.6			G1/100
BL (0°-30°)	110.6	2.1	B1/500		
BM (30°-60°)	747.8	14.2	B1/1000		
BH (60°-80°)	626.6	11.9	B2/1000		G2/1000
BVH (80°-90°)	36.8	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0
5°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0
7.5°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0
10°	12.3	12.3	10.5	7.0	3.5	1.8	1.8	3.5	3.5	3.5	5.3
12.5°	157.9	159.6	154.4	107.0	21.0	7.0	7.0	21.0	54.4	73.7	82.4
15°	180.7	180.7	177.2	173.6	166.6	36.8	66.7	101.7	107.0	152.6	170.1
17.5°	247.3	235.0	208.7	196.4	189.4	201.7	149.1	189.4	194.7	198.2	210.5
20°	470.1	461.3	445.5	370.1	261.3	287.7	273.6	243.8	292.9	305.2	310.5
22.5°	561.3	552.5	536.7	501.6	459.5	333.3	370.1	338.5	408.7	426.2	422.7
25°	950.7	945.4	805.1	599.9	598.1	522.7	487.6	457.8	477.1	536.7	564.8
27.5°	1098.0	1096.2	1052.4	948.9	696.3	642.0	584.1	622.7	608.6	682.3	705.1
30°	1569.8	1476.9	1312.0	1089.2	978.7	782.3	791.0	813.8	756.0	801.6	859.5
32.5°	1934.6	1918.9	1817.1	1452.3	1127.8	964.7	964.7	973.5	933.1	968.2	1033.1
35°	2266.1	2234.6	2076.7	1727.7	1431.3	1171.7	1119.0	1168.2	1157.6	1157.6	1119.0
37.5°	2476.6	2469.6	2346.8	1989.0	1655.8	1343.6	1301.5	1327.8	1329.5	1334.8	1220.8
40°	2676.6	2659.0	2583.6	2225.8	1945.2	1561.0	1478.6	1520.7	1483.9	1508.4	1350.6
42.5°	2780.1	2757.3	2713.4	2471.4	2264.4	1961.0	1720.7	1694.3	1657.5	1685.6	1506.7
45°	2792.3	2741.5	2753.8	2620.5	2525.7	2308.2	1962.7	1876.8	1862.7	1880.3	1687.3
47.5°	2620.5	2569.6	2655.5	2620.5	2676.6	2559.1	2285.4	2122.3	2092.5	2103.0	1875.0
50°	2224.1	2218.8	2339.8	2464.3	2699.4	2732.7	2685.3	2388.9	2373.1	2366.1	2089.0
52.5°	1836.4	1813.6	1920.6	2108.3	2501.2	2725.7	3011.6	2729.2	2736.2	2655.5	2303.0
55°	1399.7	1426.0	1533.0	1683.8	2071.5	2583.6	3265.9	3173.0	3115.1	2934.4	2515.2
57.5°	854.2	938.4	1110.3	1264.6	1655.8	2220.5	3294.0	3560.6	3467.6	3216.8	2732.7
60°	498.1	499.9	634.9	898.0	1194.5	1590.9	3108.1	3897.4	3846.5	3515.0	2953.7
62.5°	349.0	356.1	394.6	619.2	747.2	989.2	2636.2	4042.9	4164.0	3734.2	3174.7
65°	282.4	282.4	303.4	405.2	526.2	526.2	1897.8	3837.7	4249.9	3855.3	3290.5
67.5°	264.9	264.9	275.4	296.4	406.9	347.3	926.1	3318.5	3953.5	3790.4	3306.3
70°	235.0	235.0	256.1	264.9	317.5	266.6	398.2	2494.2	3279.9	3453.6	3199.3
72.5°	198.2	201.7	219.2	250.8	249.1	210.5	270.1	1510.2	2324.0	2732.7	2939.7
75°	163.1	166.6	178.9	205.2	229.8	159.6	215.7	745.4	1390.9	1825.9	2357.4
77.5°	128.0	126.3	143.8	166.6	187.7	122.8	157.9	324.5	692.8	1033.1	1410.2
80°	85.9	85.9	103.5	126.3	129.8	115.8	108.7	203.5	289.4	424.5	561.3
82.5°	54.4	56.1	66.7	78.9	89.5	98.2	78.9	124.5	150.8	171.9	161.4
85°	12.3	10.5	17.5	22.8	33.3	35.1	38.6	42.1	52.6	56.1	49.1
87.5°	0.0	0.0	1.8	1.8	1.8	3.5	3.5	7.0	7.0	8.8	8.8
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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
5°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0
7.5°	0.0	0.0	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
10°	5.3	5.3	3.5	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	85.9	84.2	78.9	24.6	7.0	1.8	0.0	1.8	3.5	5.3	7.0
15°	171.9	170.1	161.4	108.7	91.2	12.3	5.3	24.6	112.3	156.1	161.4
17.5°	210.5	212.2	203.5	200.0	145.6	93.0	98.2	184.2	192.9	196.4	196.4
20°	310.5	308.7	303.4	271.9	203.5	182.4	235.0	201.7	208.7	215.7	219.2
22.5°	421.0	417.4	410.4	328.0	285.9	291.2	256.1	271.9	364.8	370.1	371.8
25°	552.5	540.2	501.6	428.0	412.2	354.3	377.1	350.8	357.8	359.6	357.8
27.5°	685.8	671.8	582.3	538.5	491.1	371.8	387.6	357.8	401.7	447.3	447.3
30°	826.1	799.8	696.3	656.0	556.0	447.3	378.9	396.4	405.2	403.4	403.4
32.5°	982.2	933.1	798.1	799.8	594.6	445.5	391.1	361.3	380.6	447.3	449.0
35°	1064.7	1001.5	924.3	892.8	642.0	410.4	347.3	375.4	408.7	412.2	410.4
37.5°	1147.1	1064.7	977.0	970.0	617.4	373.6	340.3	356.1	370.1	364.8	364.8
40°	1257.6	1161.1	1076.9	973.5	577.1	338.5	326.2	335.0	336.8	331.5	331.5
42.5°	1396.2	1283.9	1198.0	943.6	503.4	315.7	312.2	317.5	321.0	314.0	312.2
45°	1559.3	1427.7	1319.0	908.6	410.4	303.4	305.2	305.2	310.5	303.4	301.7
47.5°	1745.2	1608.4	1404.9	863.0	347.3	292.9	299.9	296.4	299.9	291.2	289.4
50°	1953.9	1799.6	1524.2	799.8	314.0	278.9	296.4	285.9	289.4	284.1	284.1
52.5°	2148.6	2015.3	1640.0	722.6	287.7	268.4	284.1	284.1	287.7	282.4	280.6
55°	2362.6	2250.4	1776.8	645.5	261.3	259.6	282.4	285.9	284.1	278.9	278.9
57.5°	2583.6	2527.5	1913.6	599.9	238.5	243.8	280.6	287.7	282.4	277.1	275.4
60°	2841.5	2874.8	2048.7	563.0	217.5	228.0	275.4	280.6	277.1	271.9	271.9
62.5°	3113.3	3227.3	2153.9	470.1	203.5	214.0	264.9	271.9	266.6	264.9	264.9
65°	3318.5	3425.5	2176.7	342.0	189.4	200.0	254.3	259.6	257.8	256.1	256.1
67.5°	3404.5	3434.3	2069.7	243.8	175.4	187.7	242.0	249.1	243.8	247.3	245.6
70°	3358.9	3206.3	1775.0	201.7	161.4	171.9	226.3	231.5	228.0	236.8	233.3
72.5°	2994.1	2681.8	1324.3	170.1	149.1	156.1	208.7	212.2	210.5	214.0	207.0
75°	2271.4	1904.8	827.9	150.8	135.1	138.6	185.9	192.9	187.7	185.9	178.9
77.5°	1310.2	1148.9	413.9	136.8	121.0	119.3	163.1	168.4	164.9	154.4	157.9
80°	485.9	401.7	185.9	119.3	105.2	100.0	135.1	140.3	136.8	126.3	126.3
82.5°	140.3	129.8	114.0	98.2	91.2	78.9	108.7	114.0	112.3	107.0	100.0
85°	43.8	45.6	57.9	63.1	66.7	56.1	82.4	82.4	75.4	68.4	56.1
87.5°	5.3	8.8	10.5	17.5	21.0	15.8	21.0	22.8	21.0	14.0	14.0
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)