

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: P694810

Luminaire Tested: **LXF.LXT-PA16-30-730-U-T2U**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694810
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-PA16-30-730-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3549 lumens
Efficiency: N/A
Efficacy: 121.5 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

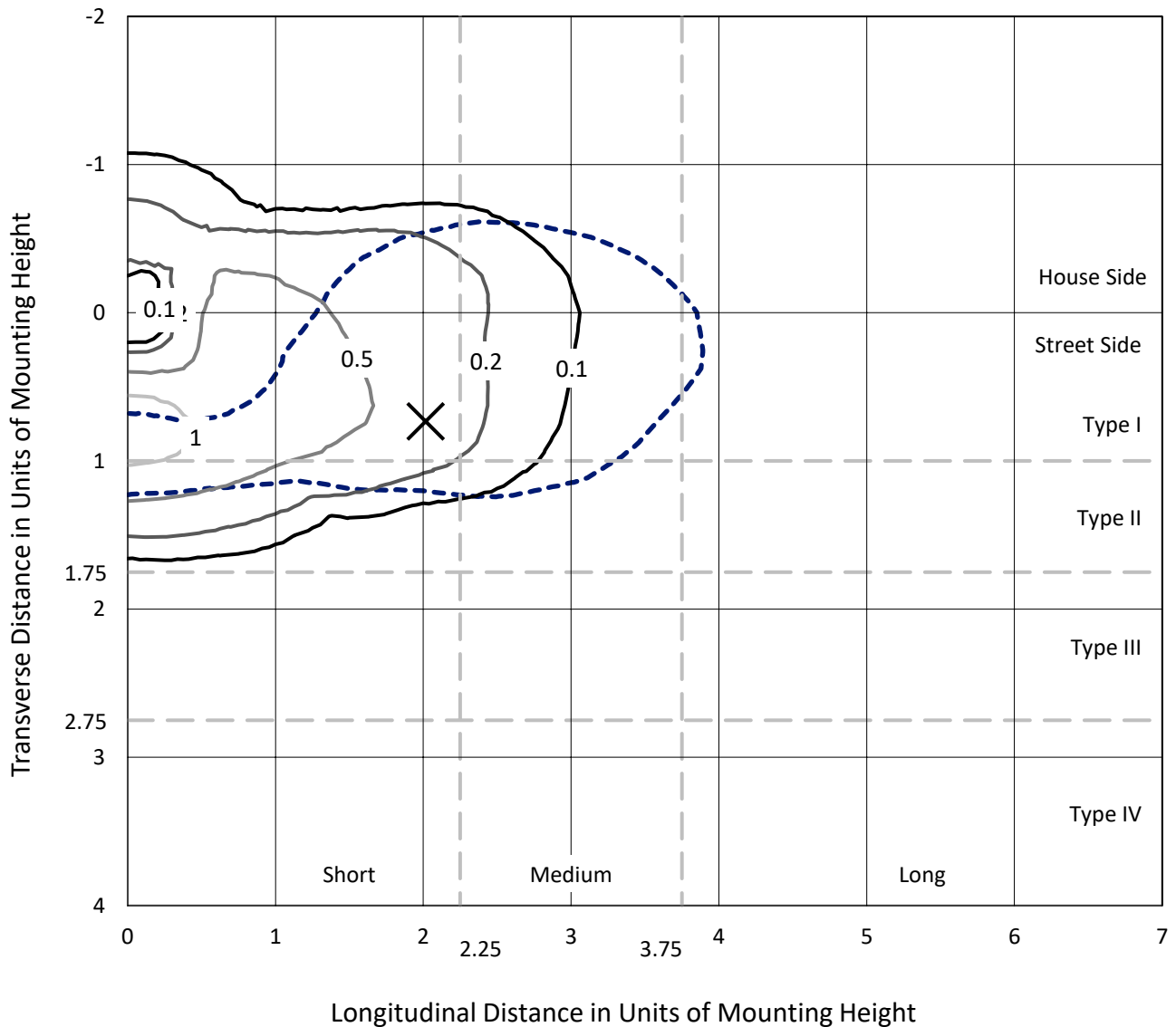
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

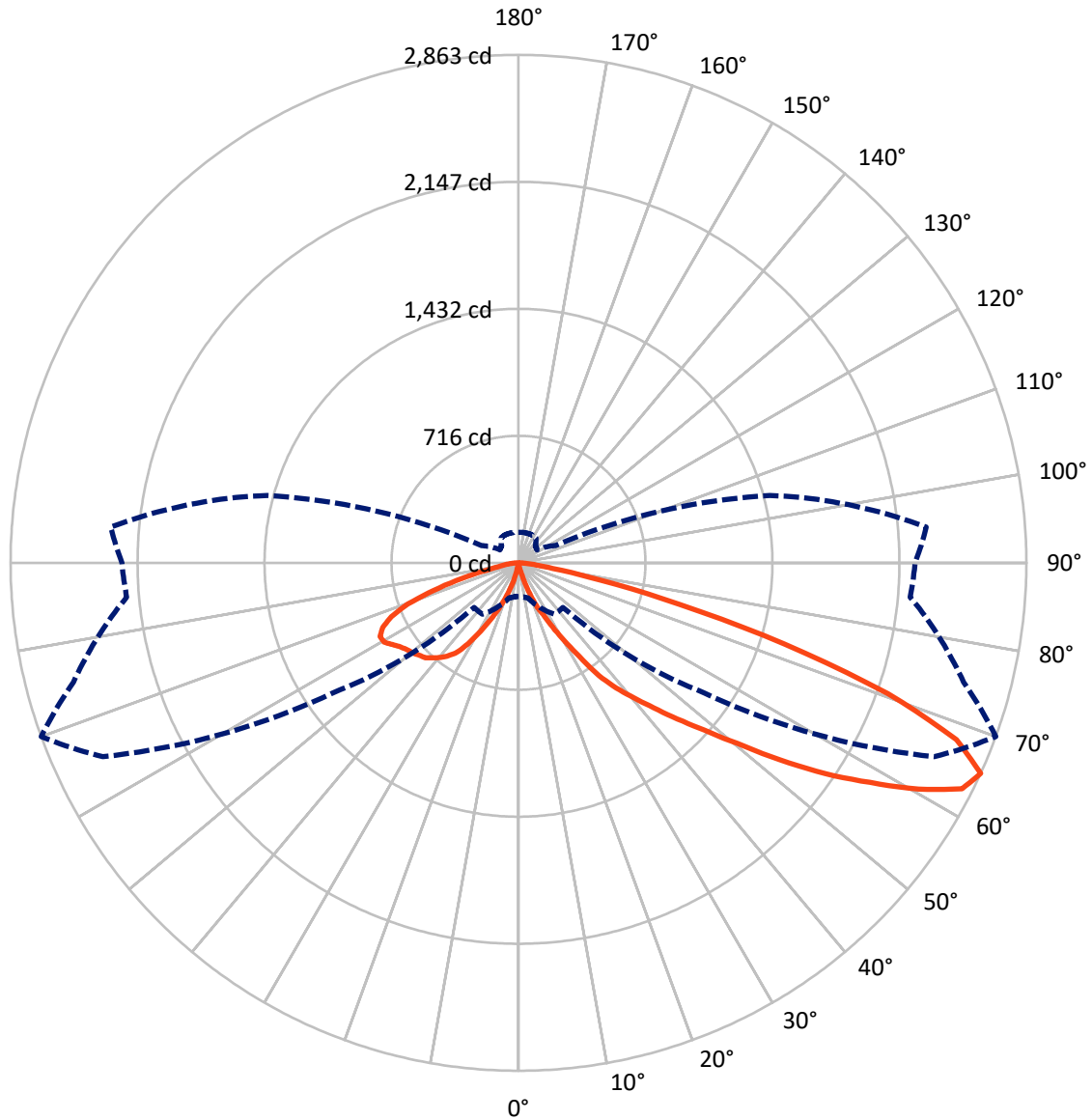
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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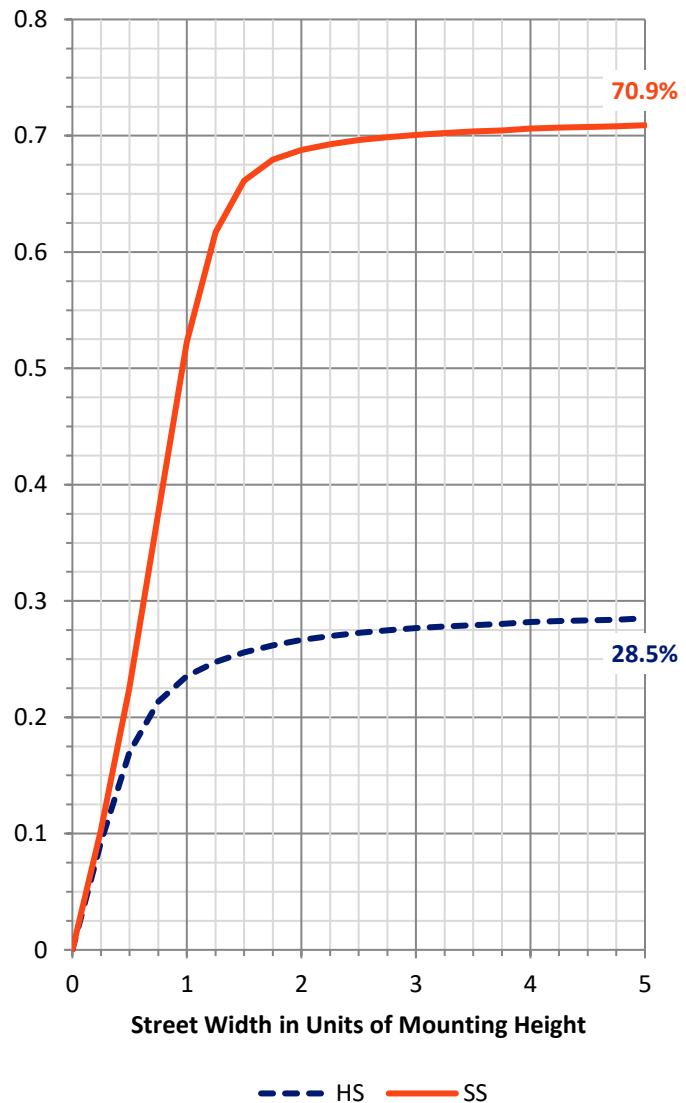
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1025.2	0.0	1025.2
	% Fixture	28.9	0.0	28.9
Street Side	Lumens	2523.8	0.0	2523.8
	% Fixture	71.1	0.0	71.1
Total	Lumens	3549.0	0.0	3549.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	26.0	0.7
20°-30°	163.6	4.6
30°-40°	435.1	12.3
40°-50°	744.8	21.0
50°-60°	911.2	25.7
60°-70°	818.2	23.1
70°-80°	403.0	11.4
80°-90°	46.9	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°	3549.0	100.0
0°-180°	3549.0	100.0

Coefficient of Utilization

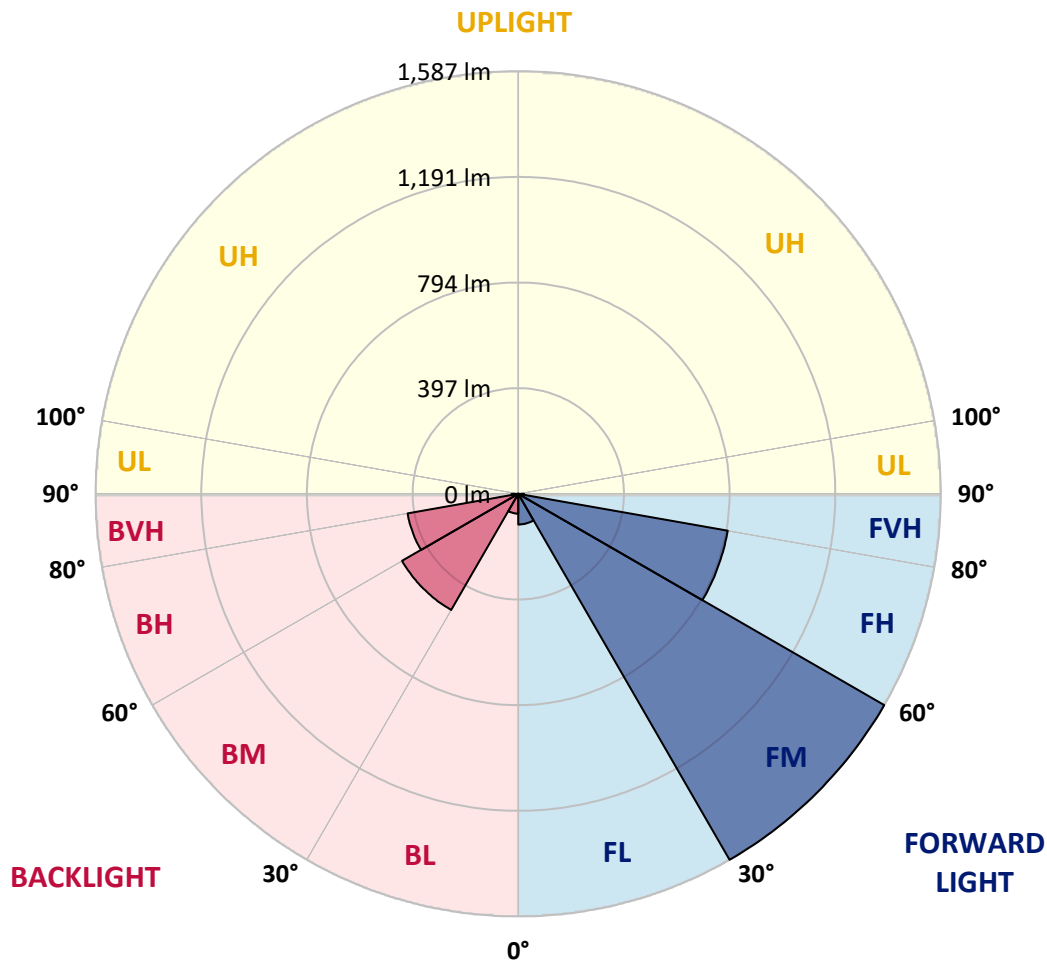


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	115.2	3.2			
FM (30°-60°)	1587.3	44.7			
FH (60°-80°)	799.1	22.5			G1/1800
FVH (80°-90°)	22.1	0.6			G1/100
BL (0°-30°)	74.5	2.1	B0/110		
BM (30°-60°)	503.8	14.2	B1/1000		
BH (60°-80°)	422.1	11.9	B1/500		G1/500
BVH (80°-90°)	24.8	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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0
5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
7.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
10°	8.3	8.3	7.1	4.7	2.4	1.2	1.2	2.4	2.4	2.4	3.5
12.5°	106.3	107.5	104.0	72.1	14.2	4.7	4.7	14.2	36.6	49.6	55.5
15°	121.7	121.7	119.3	117.0	112.3	24.8	44.9	68.5	72.1	102.8	114.6
17.5°	166.6	158.3	140.6	132.3	127.6	135.9	100.4	127.6	131.2	133.5	141.8
20°	316.7	310.8	300.1	249.3	176.1	193.8	184.3	164.2	197.3	205.6	209.2
22.5°	378.1	372.2	361.6	337.9	309.6	224.5	249.3	228.1	275.3	287.1	284.8
25°	640.4	636.9	542.4	404.1	402.9	352.1	328.5	308.4	321.4	361.6	380.5
27.5°	739.7	738.5	709.0	639.3	469.1	432.5	393.5	419.5	410.0	459.7	475.0
30°	1057.6	994.9	883.9	733.8	659.4	527.0	532.9	548.3	509.3	540.0	579.0
32.5°	1303.4	1292.7	1224.2	978.4	759.8	649.9	649.9	655.8	628.6	652.3	696.0
35°	1526.7	1505.4	1399.1	1163.9	964.2	789.3	753.9	787.0	779.9	779.9	753.9
37.5°	1668.5	1663.8	1581.0	1340.0	1115.5	905.1	876.8	894.5	895.7	899.2	822.4
40°	1803.2	1791.4	1740.6	1499.5	1310.4	1051.7	996.1	1024.5	999.7	1016.2	909.9
42.5°	1872.9	1857.5	1828.0	1664.9	1525.5	1321.1	1159.2	1141.5	1116.7	1135.6	1015.0
45°	1881.2	1846.9	1855.2	1765.4	1701.6	1555.0	1322.3	1264.4	1254.9	1266.7	1136.7
47.5°	1765.4	1731.1	1789.0	1765.4	1803.2	1724.0	1539.7	1429.8	1409.7	1416.8	1263.2
50°	1498.3	1494.8	1576.3	1660.2	1818.5	1841.0	1809.1	1609.4	1598.8	1594.0	1407.3
52.5°	1237.2	1221.8	1293.9	1420.3	1685.0	1836.3	2028.9	1838.6	1843.4	1789.0	1551.5
55°	943.0	960.7	1032.8	1134.4	1395.5	1740.6	2200.2	2137.6	2098.6	1976.9	1694.5
57.5°	575.5	632.2	748.0	852.0	1115.5	1496.0	2219.1	2398.7	2336.1	2167.1	1841.0
60°	335.6	336.8	427.8	605.0	804.7	1071.7	2093.9	2625.6	2591.3	2368.0	1989.9
62.5°	235.1	239.9	265.9	417.1	503.4	666.4	1776.0	2723.7	2805.2	2515.7	2138.8
65°	190.2	190.2	204.4	273.0	354.5	354.5	1278.5	2585.4	2863.1	2597.2	2216.8
67.5°	178.4	178.4	185.5	199.7	274.1	234.0	623.9	2235.7	2663.4	2553.5	2227.4
70°	158.3	158.3	172.5	178.4	213.9	179.6	268.2	1680.3	2209.7	2326.7	2155.3
72.5°	133.5	135.9	147.7	169.0	167.8	141.8	182.0	1017.4	1565.7	1841.0	1980.4
75°	109.9	112.3	120.5	138.3	154.8	107.5	145.3	502.2	937.0	1230.1	1588.1
77.5°	86.3	85.1	96.9	112.3	126.4	82.7	106.3	218.6	466.7	696.0	950.0
80°	57.9	57.9	69.7	85.1	87.4	78.0	73.3	137.1	195.0	286.0	378.1
82.5°	36.6	37.8	44.9	53.2	60.3	66.2	53.2	83.9	101.6	115.8	108.7
85°	8.3	7.1	11.8	15.4	22.5	23.6	26.0	28.4	35.4	37.8	33.1
87.5°	0.0	0.0	1.2	1.2	1.2	2.4	2.4	4.7	4.7	5.9	5.9
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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
7.5°	0.0	0.0	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
10°	3.5	3.5	2.4	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	57.9	56.7	53.2	16.5	4.7	1.2	0.0	1.2	2.4	3.5	4.7
15°	115.8	114.6	108.7	73.3	61.4	8.3	3.5	16.5	75.6	105.2	108.7
17.5°	141.8	143.0	137.1	134.7	98.1	62.6	66.2	124.1	130.0	132.3	132.3
20°	209.2	208.0	204.4	183.2	137.1	122.9	158.3	135.9	140.6	145.3	147.7
22.5°	283.6	281.2	276.5	221.0	192.6	196.2	172.5	183.2	245.8	249.3	250.5
25°	372.2	363.9	337.9	288.3	277.7	238.7	254.1	236.3	241.1	242.2	241.1
27.5°	462.0	452.6	392.3	362.8	330.9	250.5	261.1	241.1	270.6	301.3	301.3
30°	556.6	538.8	469.1	441.9	374.6	301.3	255.2	267.1	273.0	271.8	271.8
32.5°	661.7	628.6	537.6	538.8	400.6	300.1	263.5	243.4	256.4	301.3	302.5
35°	717.3	674.7	622.7	601.5	432.5	276.5	234.0	252.9	275.3	277.7	276.5
37.5°	772.8	717.3	658.2	653.4	415.9	251.7	229.2	239.9	249.3	245.8	245.8
40°	847.2	782.2	725.5	655.8	388.8	228.1	219.8	225.7	226.9	223.3	223.3
42.5°	940.6	865.0	807.1	635.7	339.1	212.7	210.3	213.9	216.2	211.5	210.3
45°	1050.5	961.9	888.6	612.1	276.5	204.4	205.6	205.6	209.2	204.4	203.2
47.5°	1175.7	1083.6	946.5	581.4	234.0	197.3	202.1	199.7	202.1	196.2	195.0
50°	1316.3	1212.4	1026.8	538.8	211.5	187.9	199.7	192.6	195.0	191.4	191.4
52.5°	1447.5	1357.7	1104.8	486.8	193.8	180.8	191.4	191.4	193.8	190.2	189.1
55°	1591.7	1516.0	1197.0	434.8	176.1	174.9	190.2	192.6	191.4	187.9	187.9
57.5°	1740.6	1702.7	1289.2	404.1	160.7	164.2	189.1	193.8	190.2	186.7	185.5
60°	1914.3	1936.7	1380.2	379.3	146.5	153.6	185.5	189.1	186.7	183.2	183.2
62.5°	2097.4	2174.2	1451.1	316.7	137.1	144.2	178.4	183.2	179.6	178.4	178.4
65°	2235.7	2307.7	1466.4	230.4	127.6	134.7	171.3	174.9	173.7	172.5	172.5
67.5°	2293.6	2313.7	1394.3	164.2	118.2	126.4	163.1	167.8	164.2	166.6	165.4
70°	2262.8	2160.0	1195.8	135.9	108.7	115.8	152.4	156.0	153.6	159.5	157.2
72.5°	2017.1	1806.7	892.1	114.6	100.4	105.2	140.6	143.0	141.8	144.2	139.4
75°	1530.2	1283.3	557.7	101.6	91.0	93.3	125.3	130.0	126.4	125.3	120.5
77.5°	882.7	774.0	278.9	92.2	81.5	80.4	109.9	113.4	111.1	104.0	106.3
80°	327.3	270.6	125.3	80.4	70.9	67.4	91.0	94.5	92.2	85.1	85.1
82.5°	94.5	87.4	76.8	66.2	61.4	53.2	73.3	76.8	75.6	72.1	67.4
85°	29.5	30.7	39.0	42.5	44.9	37.8	55.5	55.5	50.8	46.1	37.8
87.5°	3.5	5.9	7.1	11.8	14.2	10.6	14.2	15.4	14.2	9.5	9.5
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)