

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: P694685

Luminaire Tested: **LXF.LXT-PA16-20-827-U-T2R**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-6)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-827-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2157 lumens
Efficiency: N/A
Efficacy: 98.9 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

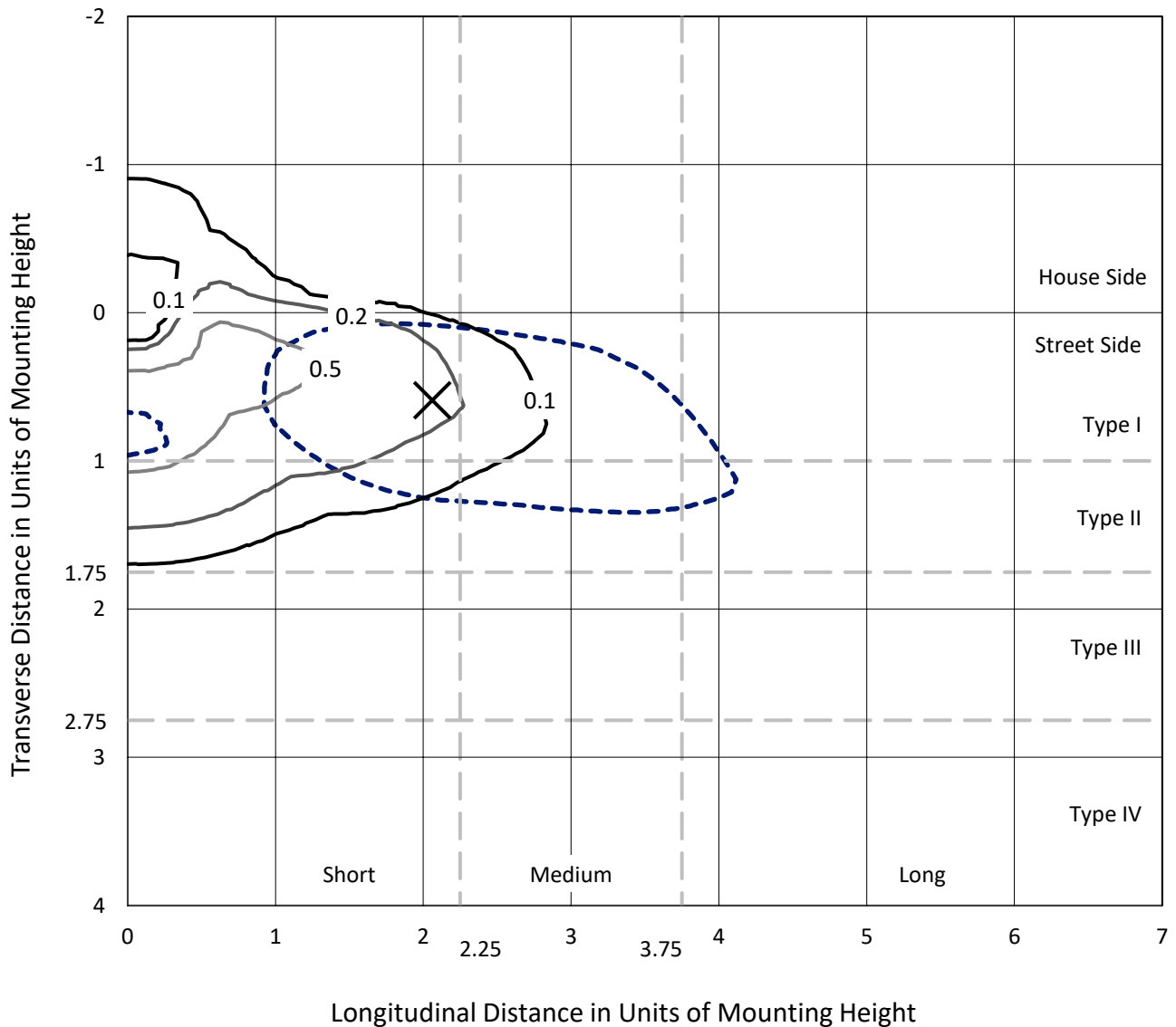
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

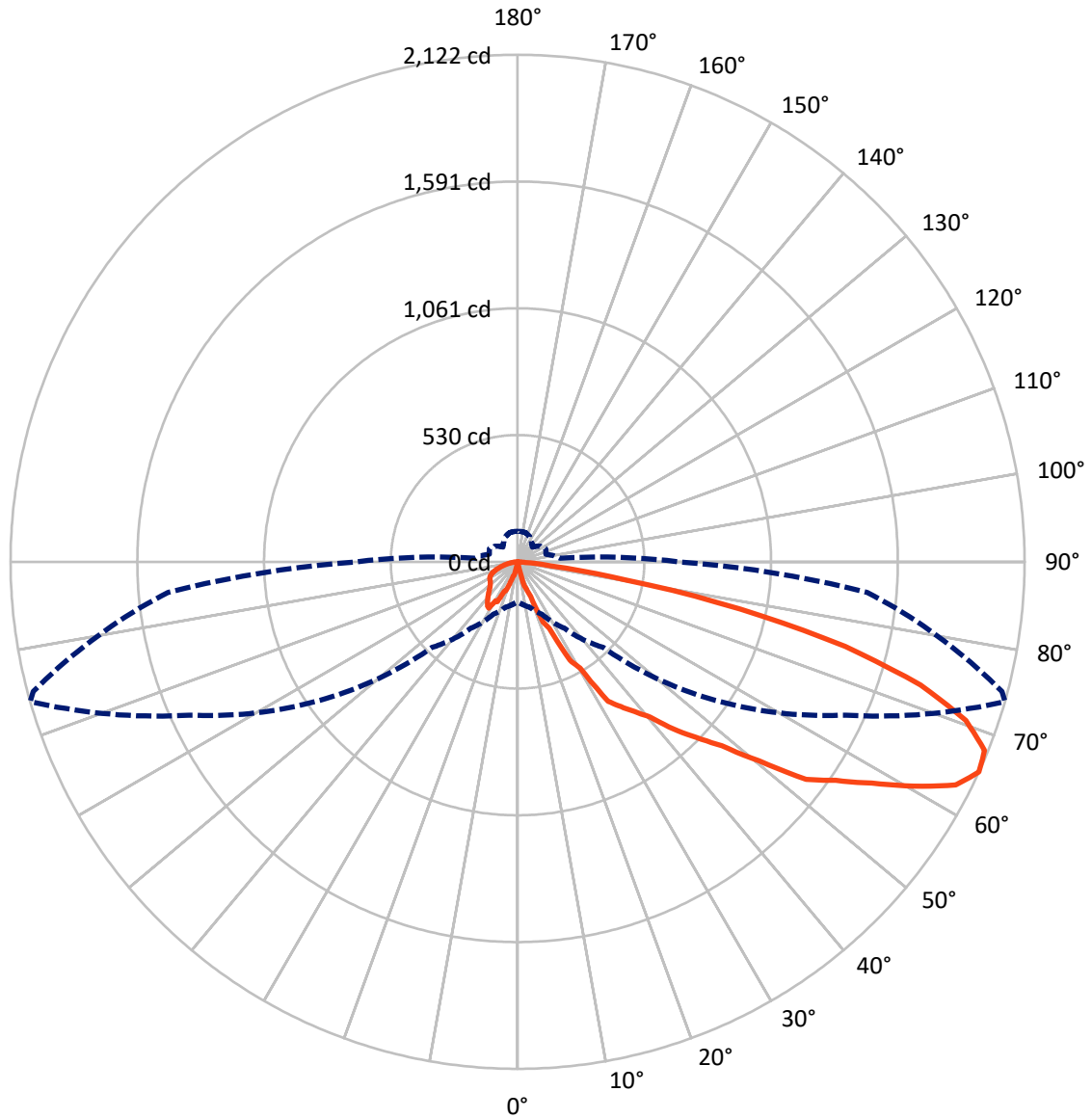
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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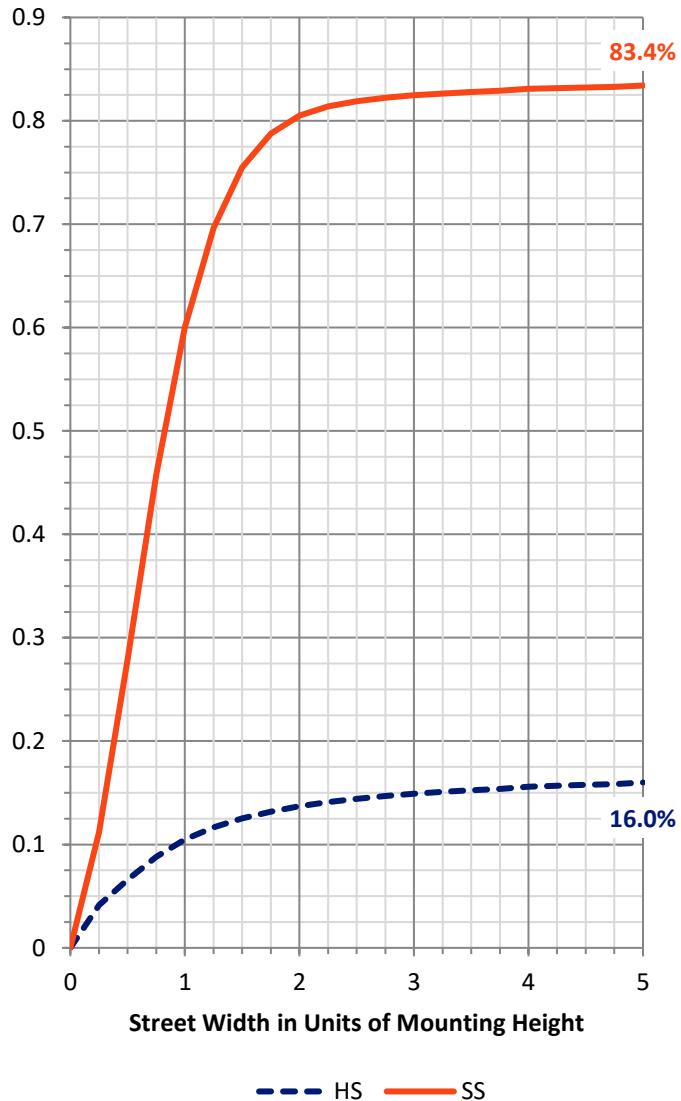
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	353.4	0.0	353.4
	% Fixture	16.4	0.0	16.4
Street Side	Lumens	1803.6	0.0	1803.6
	% Fixture	83.6	0.0	83.6
Total	Lumens	2157.0	0.0	2157.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	21.1	1.0
20°-30°	127.2	5.9
30°-40°	308.0	14.3
40°-50°	431.7	20.0
50°-60°	510.0	23.6
60°-70°	467.7	21.7
70°-80°	253.4	11.7
80°-90°	38.0	1.8
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°	2157.0	100.0
0°-180°	2157.0	100.0

Coefficient of Utilization

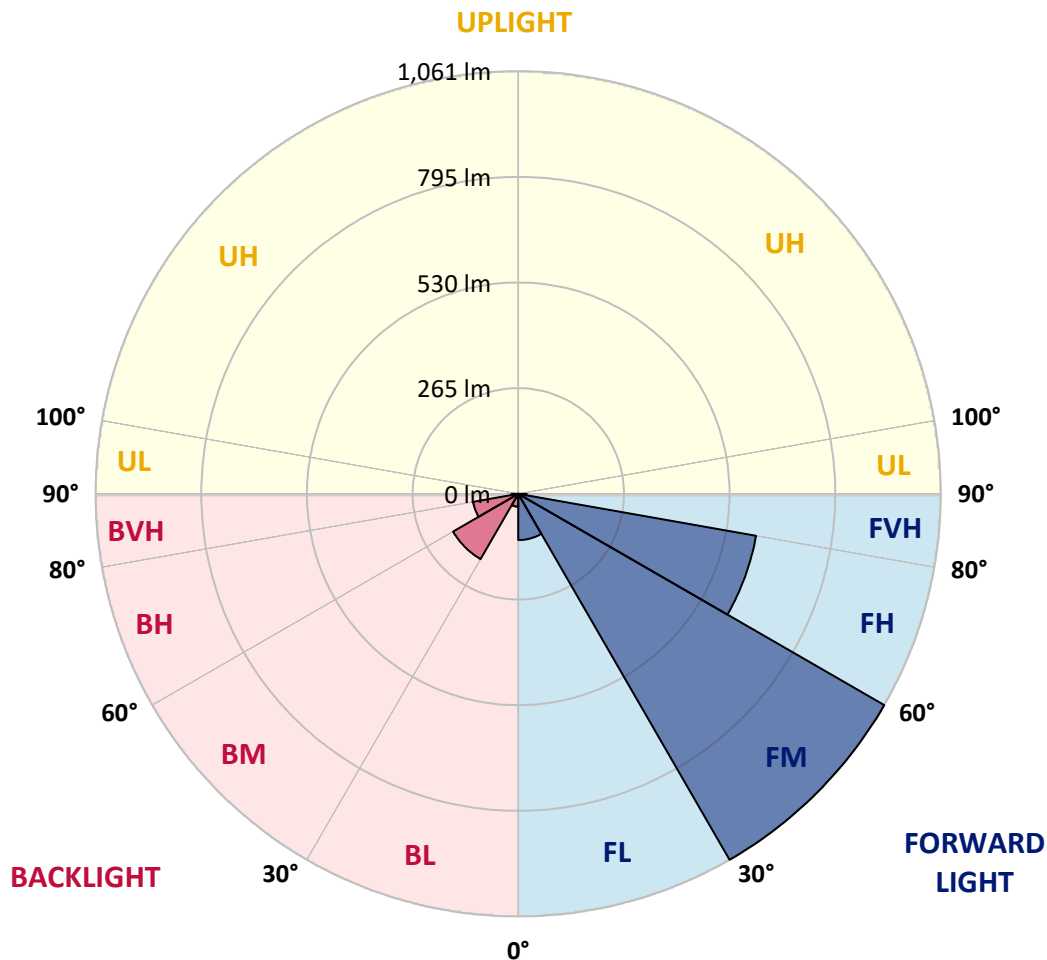


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	116.0	5.4			
FM (30°-60°)	1060.6	49.2			
FH (60°-80°)	606.0	28.1			G0/660
FVH (80°-90°)	21.0	1.0			G1/100
BL (0°-30°)	32.3	1.5	B0/110		
BM (30°-60°)	189.0	8.8	B0/220		
BH (60°-80°)	115.1	5.3	B1/500		G1/500
BVH (80°-90°)	17.0	0.8			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°	74°	75°	85°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
7.5°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
10°	10.6	9.8	7.5	4.5	2.3	0.8	0.8	0.8	0.8	0.8	0.8
12.5°	129.6	129.6	128.1	117.6	15.1	5.3	1.5	3.8	7.5	9.0	9.8
15°	147.0	145.5	145.5	144.0	140.2	32.4	14.3	113.1	103.3	100.2	76.9
17.5°	226.9	256.3	174.1	162.0	157.5	129.6	123.6	133.4	118.3	116.1	88.9
20°	345.2	345.2	342.9	339.2	183.1	252.5	237.4	153.0	155.3	186.9	177.1
22.5°	385.9	384.4	376.8	371.6	399.5	273.6	257.8	281.1	274.3	272.1	208.0
25°	619.5	612.8	602.2	423.6	437.1	384.4	382.9	359.5	307.5	302.2	238.9
27.5°	677.6	672.3	663.3	604.5	499.7	505.0	401.0	431.1	465.8	468.8	358.8
30°	966.2	957.9	853.9	670.0	633.1	550.2	560.0	546.4	515.5	503.5	387.4
32.5°	1031.8	1027.3	1007.7	874.3	688.1	651.9	627.1	603.0	695.7	679.8	544.9
35°	1083.8	1075.5	1055.9	907.4	841.1	757.5	685.1	758.2	744.7	729.6	574.3
37.5°	1112.5	1103.4	1083.8	944.4	881.8	795.1	812.5	804.2	795.1	789.1	606.0
40°	1107.2	1099.6	1087.6	968.5	906.7	818.5	874.3	861.5	853.9	885.6	645.2
42.5°	1082.3	1074.8	1066.5	980.6	921.0	835.8	926.3	943.6	957.9	951.9	688.9
45°	1031.1	1024.3	1024.3	968.5	913.5	850.2	971.5	1028.0	1048.4	1025.8	745.4
47.5°	977.5	972.3	973.0	935.3	899.2	863.7	1027.3	1096.6	1150.1	1123.0	826.8
50°	903.7	901.4	912.7	903.7	881.8	865.2	1088.3	1210.4	1309.9	1300.9	950.4
52.5°	795.1	796.7	828.3	848.7	847.2	854.7	1117.0	1319.7	1511.9	1487.8	1045.4
55°	701.7	696.4	722.0	768.8	784.6	836.6	1132.8	1349.1	1615.2	1591.8	1126.0
57.5°	584.1	584.9	613.5	661.7	704.7	794.4	1146.4	1402.6	1747.8	1720.7	1238.3
60°	437.1	452.2	483.9	532.9	595.4	724.3	1144.1	1475.7	1906.8	1889.5	1367.2
62.5°	285.7	290.9	335.4	383.6	480.1	633.9	1104.9	1528.5	2057.6	2025.9	1452.4
65°	166.6	176.4	196.7	242.7	338.4	507.2	1010.7	1517.9	2121.7	2098.3	1468.2
67.5°	112.3	113.8	123.6	150.0	211.8	364.8	853.2	1418.5	2107.3	2086.2	1424.5
70°	94.2	95.0	98.0	101.0	122.1	235.9	618.8	1220.2	1989.8	1973.9	1318.2
72.5°	84.4	85.2	86.7	84.4	85.9	136.4	406.2	1012.2	1762.9	1743.3	1141.8
75°	76.9	76.9	76.9	75.4	73.1	83.7	226.1	777.1	1416.9	1375.5	868.3
77.5°	67.1	67.1	66.3	66.3	65.6	62.6	110.8	548.7	952.7	912.0	512.5
80°	55.0	55.0	55.0	55.8	55.0	46.7	59.5	330.1	461.3	452.2	198.2
82.5°	33.2	33.9	38.4	44.5	43.7	33.2	39.9	152.2	140.2	131.9	61.8
85°	4.5	3.8	10.6	15.1	18.1	12.1	16.6	34.7	32.4	33.9	15.1
87.5°	0.0	0.0	0.0	0.8	0.8	1.5	2.3	2.3	2.3	2.3	2.3
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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 CATALOG NUMBER: LXF.LXT-PA16-20-827-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.0
5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	12.1	11.3	7.5	3.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
15°	68.6	62.6	57.3	48.2	9.8	1.5	0.8	5.3	12.1	27.1	27.9
17.5°	78.4	70.8	64.1	59.5	53.5	15.8	11.3	55.0	58.0	58.0	58.0
20°	151.5	134.2	92.7	67.1	58.0	48.2	52.8	59.5	61.8	62.6	62.6
22.5°	174.1	150.7	130.4	114.6	67.1	82.9	77.6	64.8	101.7	104.8	105.5
25°	198.2	170.3	137.9	119.8	113.8	85.2	88.9	100.2	107.8	107.8	107.8
27.5°	290.9	238.2	192.2	137.9	122.1	104.0	109.3	103.3	111.5	136.4	140.9
30°	311.3	248.7	191.4	153.8	129.6	121.3	109.3	134.9	144.7	144.7	144.0
32.5°	425.1	325.6	236.7	153.0	140.2	119.8	131.1	139.4	146.2	156.0	159.8
35°	442.4	324.8	227.6	176.4	137.9	125.9	133.4	148.5	173.3	177.1	174.9
37.5°	456.0	318.8	214.0	168.1	148.5	131.1	137.2	162.8	174.1	172.6	169.6
40°	471.8	310.5	199.0	162.0	143.2	131.1	146.2	162.0	166.6	159.8	158.3
42.5°	491.4	300.0	185.4	154.5	137.9	130.4	144.7	153.0	153.0	151.5	150.0
45°	518.5	290.2	172.6	146.2	135.7	127.4	140.9	140.9	150.0	148.5	147.7
47.5°	566.0	280.4	161.3	139.4	132.7	123.6	131.1	136.4	147.0	146.2	145.5
50°	617.3	269.8	152.2	134.9	129.6	119.1	119.8	131.9	144.0	143.2	142.4
52.5°	649.7	251.0	145.5	133.4	126.6	114.6	116.1	128.1	141.7	140.2	138.7
55°	673.8	234.4	140.9	132.7	123.6	104.0	113.1	125.1	138.7	136.4	134.9
57.5°	707.0	220.8	137.9	134.2	121.3	96.5	109.3	122.1	135.7	133.4	133.4
60°	739.4	209.5	134.9	134.9	120.6	92.7	106.3	119.8	132.7	131.9	131.9
62.5°	738.6	196.0	129.6	134.2	119.8	89.7	104.0	117.6	129.6	130.4	129.6
65°	674.6	178.6	122.1	129.6	114.6	87.4	101.0	117.6	126.6	127.4	127.4
67.5°	593.2	156.8	110.0	122.1	105.5	85.9	98.7	115.3	121.3	125.1	125.1
70°	500.5	128.9	95.0	111.5	96.5	84.4	98.7	111.5	115.3	122.9	122.1
72.5°	410.0	101.7	79.1	97.2	86.7	82.9	99.5	106.3	107.8	117.6	114.6
75°	312.0	76.9	63.3	79.1	74.6	81.4	98.0	98.7	98.0	101.0	96.5
77.5°	202.7	58.0	51.3	60.3	61.8	77.6	95.0	89.7	85.2	82.9	80.6
80°	92.7	41.5	39.2	46.7	46.0	71.6	89.7	79.9	73.1	69.3	66.3
82.5°	37.7	27.1	27.1	33.9	31.7	62.6	80.6	68.6	60.3	57.3	55.8
85°	10.6	11.3	12.1	18.1	18.8	48.2	64.8	53.5	43.7	64.8	59.5
87.5°	1.5	1.5	1.5	2.3	2.3	3.0	9.0	12.1	15.8	6.8	6.0
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)