

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: P694505

Luminaire Tested: **LXF.LXT-PA16-20-727-U-T2R**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694505
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-PA16-20-727-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 2406 lumens
Efficiency: N/A
Efficacy: 110.4 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

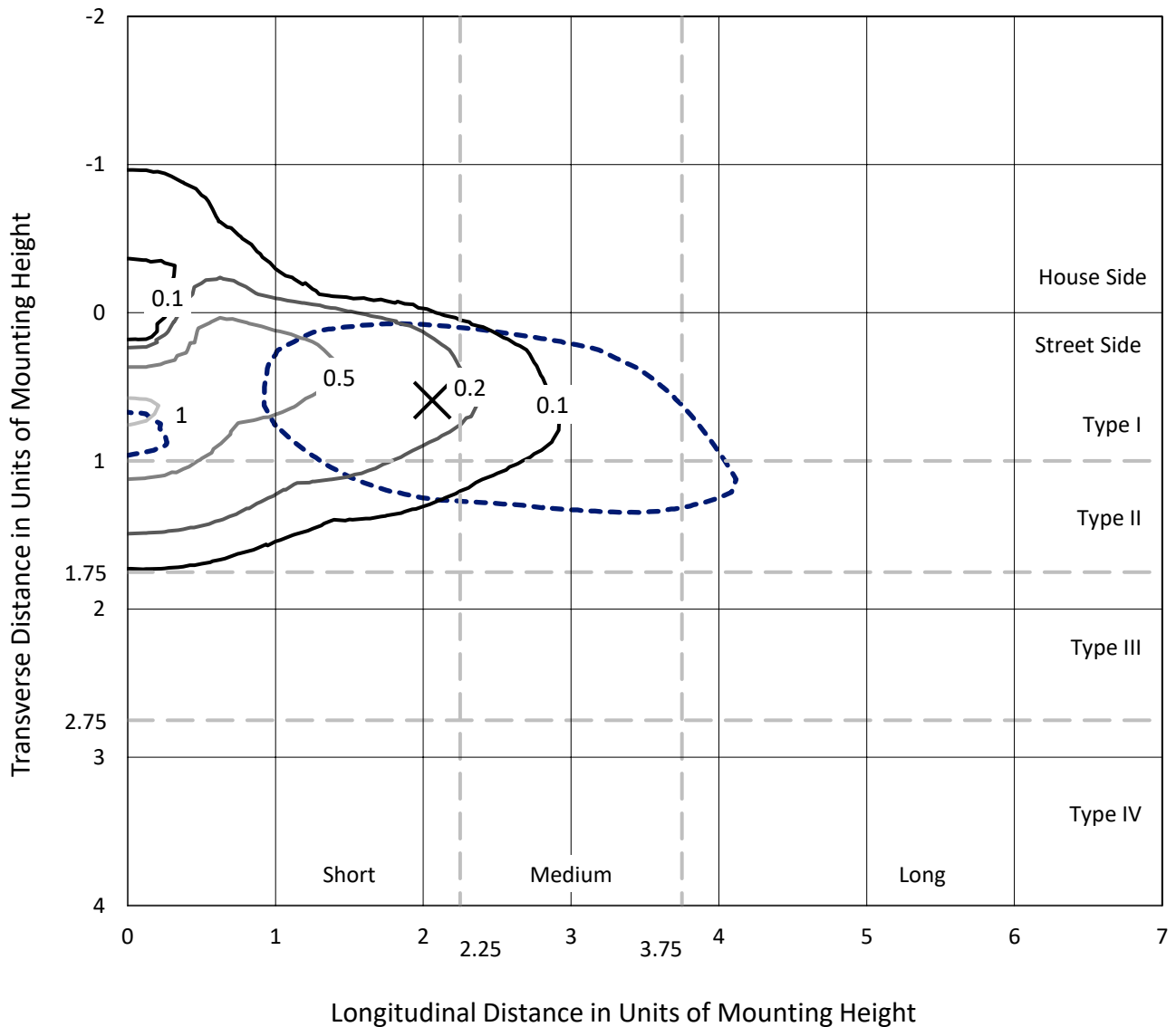
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

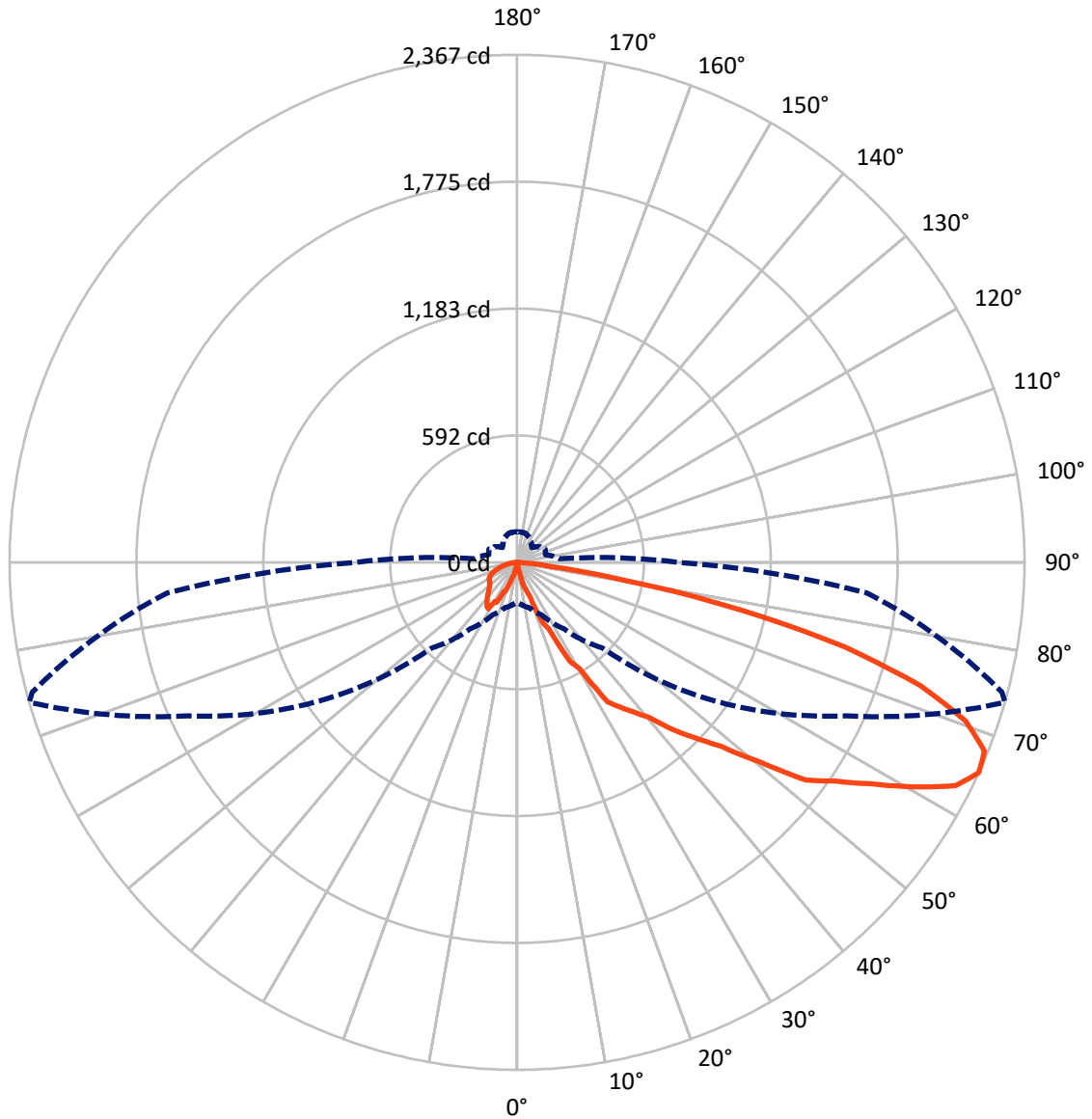
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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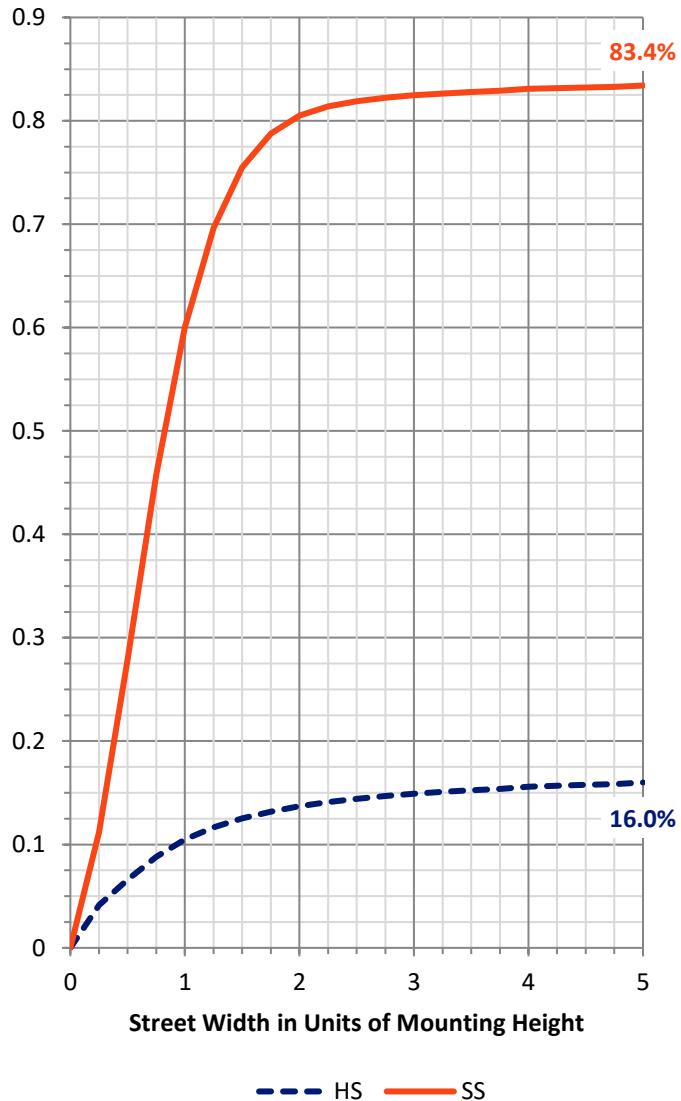
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	394.2	0.0	394.2
	% Fixture	16.4	0.0	16.4
Street Side	Lumens	2011.7	0.0	2011.7
	% Fixture	83.6	0.0	83.6
Total	Lumens	2406.0	0.0	2406.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	23.5	1.0
20°-30°	141.9	5.9
30°-40°	343.5	14.3
40°-50°	481.5	20.0
50°-60°	568.8	23.6
60°-70°	521.7	21.7
70°-80°	282.6	11.7
80°-90°	42.4	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°	2406.0	100.0
0°-180°	2406.0	100.0

Coefficient of Utilization

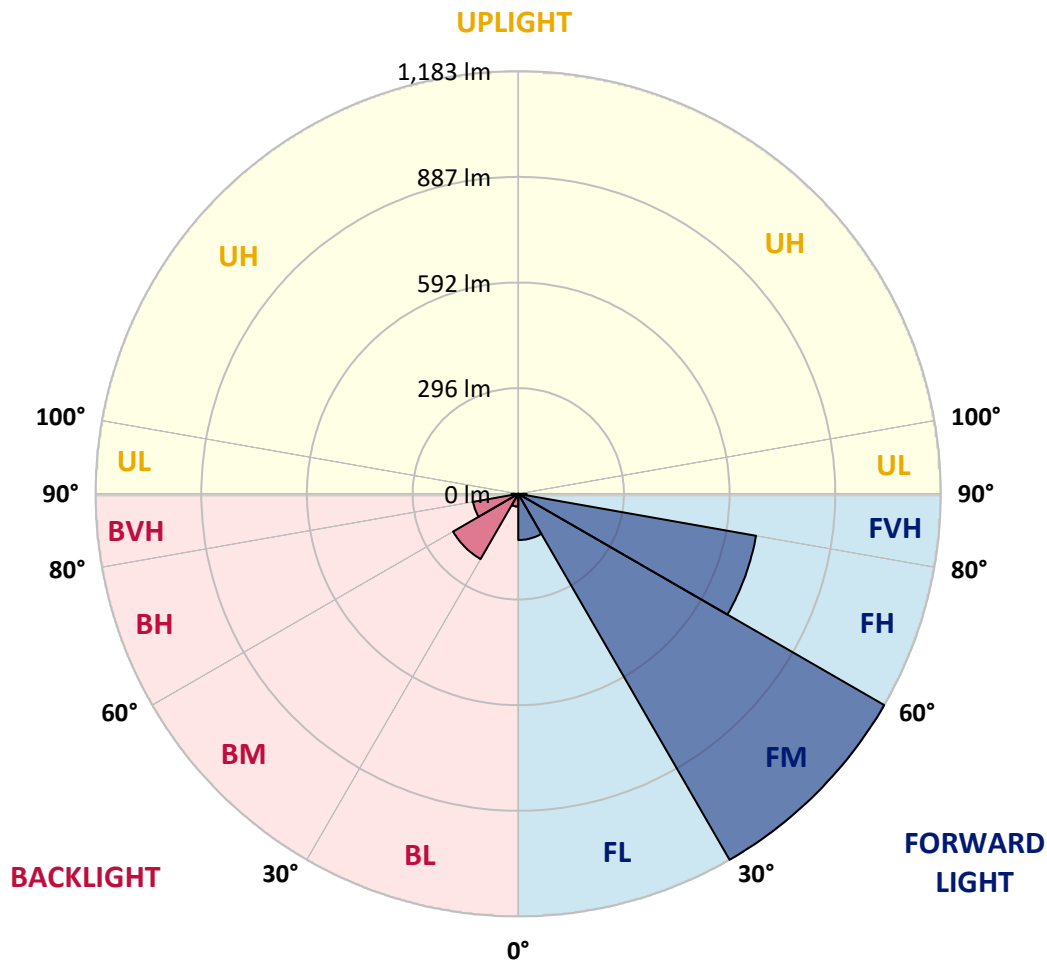


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	129.4	5.4			
FM (30°-60°)	1183.0	49.2			
FH (60°-80°)	675.9	28.1			G1/1800
FVH (80°-90°)	23.4	1.0			G1/100
BL (0°-30°)	36.1	1.5	B0/110		
BM (30°-60°)	210.9	8.8	B0/220		
BH (60°-80°)	128.4	5.3	B1/500		G1/500
BVH (80°-90°)	19.0	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°	11.8	10.9	8.4	5.0	2.5	0.8	0.8	0.8	0.8	0.8	0.8
12.5°	144.6	144.6	142.9	131.1	16.8	5.9	1.7	4.2	8.4	10.1	10.9
15°	163.9	162.3	162.3	160.6	156.4	36.2	16.0	126.1	115.2	111.8	85.8
17.5°	253.1	285.8	194.2	180.8	175.7	144.6	137.9	148.8	132.0	129.5	99.2
20°	385.0	385.0	382.5	378.3	204.3	281.6	264.8	170.7	173.2	208.5	197.6
22.5°	430.4	428.8	420.3	414.5	445.6	305.2	287.5	313.6	306.0	303.5	232.0
25°	691.1	683.5	671.7	472.5	487.6	428.8	427.1	401.0	343.0	337.1	266.5
27.5°	755.8	749.9	739.8	674.2	557.4	563.3	447.3	480.9	519.6	522.9	400.2
30°	1077.8	1068.5	952.5	747.4	706.2	613.7	624.6	609.5	575.0	561.6	432.1
32.5°	1150.9	1145.9	1124.0	975.2	767.6	727.2	699.5	672.6	776.0	758.3	607.8
35°	1208.9	1199.7	1177.8	1012.2	938.2	844.9	764.2	845.7	830.6	813.8	640.6
37.5°	1240.9	1230.8	1208.9	1053.4	983.6	886.9	906.3	897.0	886.9	880.2	675.9
40°	1235.0	1226.6	1213.1	1080.3	1011.4	913.0	975.2	960.9	952.5	987.8	719.6
42.5°	1207.2	1198.8	1189.6	1093.8	1027.3	932.3	1033.2	1052.6	1068.5	1061.8	768.4
45°	1150.1	1142.5	1142.5	1080.3	1018.9	948.3	1083.7	1146.7	1169.4	1144.2	831.5
47.5°	1090.4	1084.5	1085.3	1043.3	1003.0	963.4	1145.9	1223.2	1282.9	1252.6	922.2
50°	1008.0	1005.5	1018.1	1008.0	983.6	965.1	1214.0	1350.2	1461.1	1451.0	1060.1
52.5°	886.9	888.6	923.9	946.6	944.9	953.4	1245.9	1472.1	1686.4	1659.5	1166.1
55°	782.7	776.8	805.4	857.5	875.2	933.2	1263.6	1504.9	1801.6	1775.6	1256.0
57.5°	651.5	652.4	684.3	738.1	786.1	886.1	1278.7	1564.5	1949.6	1919.3	1381.3
60°	487.6	504.4	539.7	594.4	664.2	807.9	1276.2	1646.1	2127.0	2107.6	1525.0
62.5°	318.6	324.5	374.1	427.9	535.5	707.0	1232.5	1704.9	2295.1	2259.8	1620.0
65°	185.8	196.7	219.4	270.7	377.5	565.8	1127.4	1693.2	2366.6	2340.5	1637.7
67.5°	125.3	126.9	137.9	167.3	236.2	406.9	951.7	1582.2	2350.6	2327.1	1588.9
70°	105.1	105.9	109.3	112.7	136.2	263.1	690.2	1361.1	2219.4	2201.8	1470.4
72.5°	94.2	95.0	96.7	94.2	95.8	152.2	453.1	1129.1	1966.4	1944.5	1273.7
75°	85.8	85.8	85.8	84.1	81.5	93.3	252.2	866.8	1580.5	1534.3	968.5
77.5°	74.8	74.8	74.0	74.0	73.1	69.8	123.6	612.0	1062.6	1017.2	571.7
80°	61.4	61.4	61.4	62.2	61.4	52.1	66.4	368.2	514.5	504.4	221.1
82.5°	37.0	37.8	42.9	49.6	48.8	37.0	44.6	169.8	156.4	147.1	68.9
85°	5.0	4.2	11.8	16.8	20.2	13.5	18.5	38.7	36.2	37.8	16.8
87.5°	0.0	0.0	0.0	0.8	0.8	1.7	2.5	2.5	2.5	2.5	2.5
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°	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°	13.5	12.6	8.4	3.4	0.0	0.0	0.0	0.0	0.0	0.8	0.8
15°	76.5	69.8	63.9	53.8	10.9	1.7	0.8	5.9	13.5	30.3	31.1
17.5°	87.4	79.0	71.5	66.4	59.7	17.7	12.6	61.4	64.7	64.7	64.7
20°	169.0	149.6	103.4	74.8	64.7	53.8	58.8	66.4	68.9	69.8	69.8
22.5°	194.2	168.1	145.4	127.8	74.8	92.5	86.6	72.3	113.5	116.9	117.7
25°	221.1	190.0	153.8	133.7	126.9	95.0	99.2	111.8	120.2	120.2	120.2
27.5°	324.5	265.7	214.4	153.8	136.2	116.0	121.9	115.2	124.4	152.2	157.2
30°	347.2	277.4	213.5	171.5	144.6	135.4	121.9	150.5	161.4	161.4	160.6
32.5°	474.2	363.2	264.0	170.7	156.4	133.7	146.3	155.5	163.1	174.0	178.2
35°	493.5	362.3	253.9	196.7	153.8	140.4	148.8	165.6	193.4	197.6	195.0
37.5°	508.6	355.6	238.8	187.5	165.6	146.3	153.0	181.6	194.2	192.5	189.2
40°	526.3	346.4	221.9	180.8	159.7	146.3	163.1	180.8	185.8	178.2	176.5
42.5°	548.1	334.6	206.8	172.3	153.8	145.4	161.4	170.7	170.7	169.0	167.3
45°	578.4	323.7	192.5	163.1	151.3	142.1	157.2	157.2	167.3	165.6	164.8
47.5°	631.4	312.7	179.9	155.5	148.0	137.9	146.3	152.2	163.9	163.1	162.3
50°	688.5	301.0	169.8	150.5	144.6	132.8	133.7	147.1	160.6	159.7	158.9
52.5°	724.7	280.0	162.3	148.8	141.2	127.8	129.5	142.9	158.1	156.4	154.7
55°	751.6	261.5	157.2	148.0	137.9	116.0	126.1	139.6	154.7	152.2	150.5
57.5°	788.6	246.3	153.8	149.6	135.4	107.6	121.9	136.2	151.3	148.8	148.8
60°	824.7	233.7	150.5	150.5	134.5	103.4	118.5	133.7	148.0	147.1	147.1
62.5°	823.9	218.6	144.6	149.6	133.7	100.0	116.0	131.1	144.6	145.4	144.6
65°	752.4	199.2	136.2	144.6	127.8	97.5	112.7	131.1	141.2	142.1	142.1
67.5°	661.6	174.9	122.7	136.2	117.7	95.8	110.1	128.6	135.4	139.6	139.6
70°	558.2	143.8	105.9	124.4	107.6	94.2	110.1	124.4	128.6	137.0	136.2
72.5°	457.3	113.5	88.3	108.5	96.7	92.5	111.0	118.5	120.2	131.1	127.8
75°	348.0	85.8	70.6	88.3	83.2	90.8	109.3	110.1	109.3	112.7	107.6
77.5°	226.1	64.7	57.2	67.3	68.9	86.6	105.9	100.0	95.0	92.5	90.0
80°	103.4	46.2	43.7	52.1	51.3	79.9	100.0	89.1	81.5	77.3	74.0
82.5°	42.0	30.3	30.3	37.8	35.3	69.8	90.0	76.5	67.3	63.9	62.2
85°	11.8	12.6	13.5	20.2	21.0	53.8	72.3	59.7	48.8	72.3	66.4
87.5°	1.7	1.7	1.7	2.5	2.5	3.4	10.1	13.5	17.7	7.6	6.7
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)