

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: P694955

Luminaire Tested: **LXF.LXT-PA16-30-827-U-T2R**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694955
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-PA16-30-827-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2792 lumens
Efficiency: N/A
Efficacy: 95.6 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

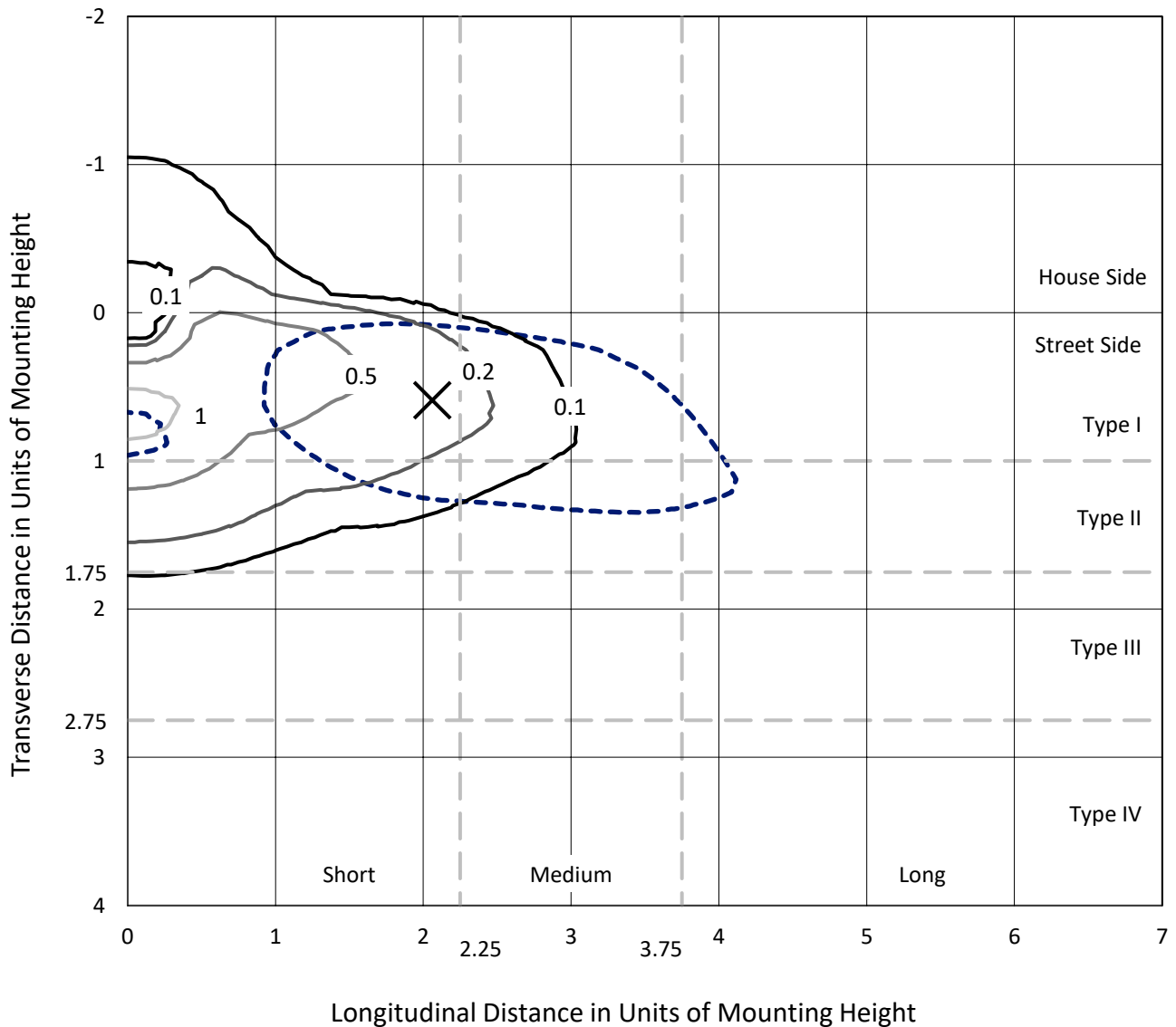
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

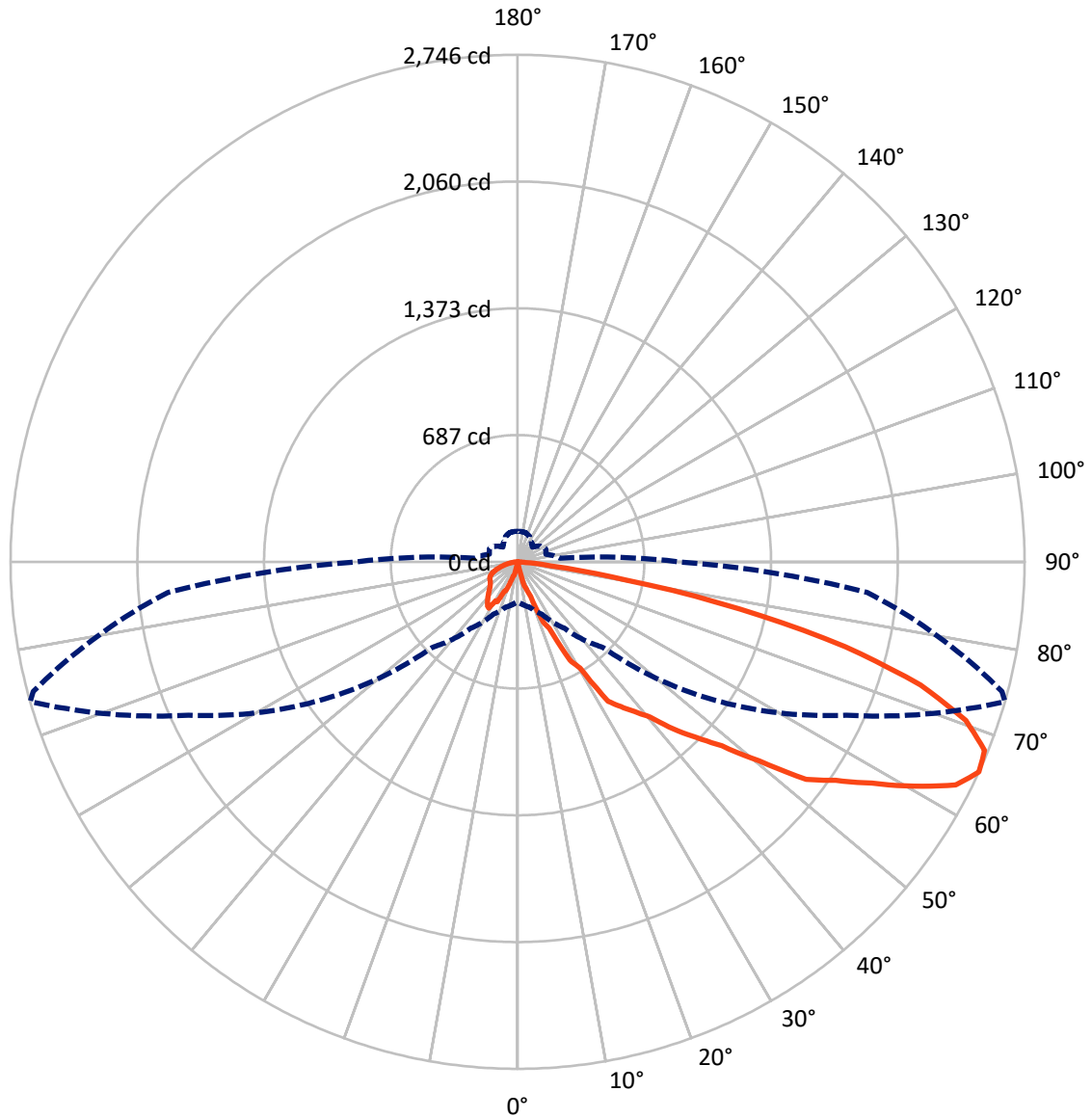
✕ Max cd
 - - - 1/2 Max cd



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

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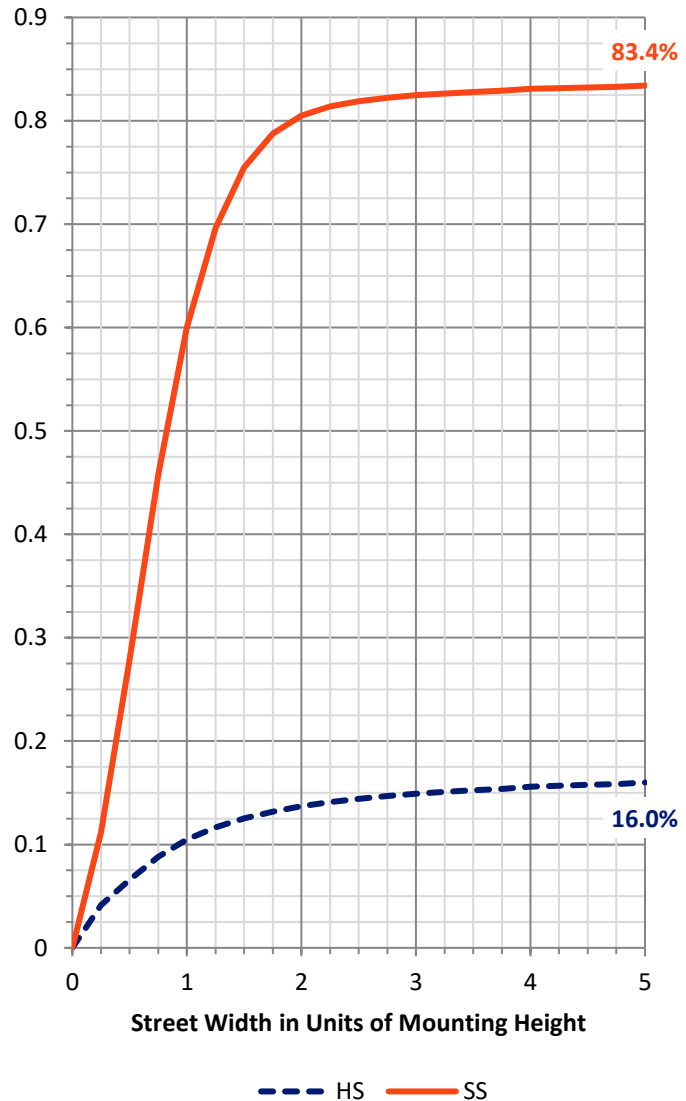
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	457.5	0.0	457.5
	% Fixture	16.4	0.0	16.4
Street Side	Lumens	2334.5	0.0	2334.5
	% Fixture	83.6	0.0	83.6
Total	Lumens	2792.0	0.0	2792.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	27.3	1.0
20°-30°	164.6	5.9
30°-40°	398.7	14.3
40°-50°	558.7	20.0
50°-60°	660.1	23.6
60°-70°	605.4	21.7
70°-80°	327.9	11.7
80°-90°	49.2	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°	2792.0	100.0
0°-180°	2792.0	100.0

Coefficient of Utilization



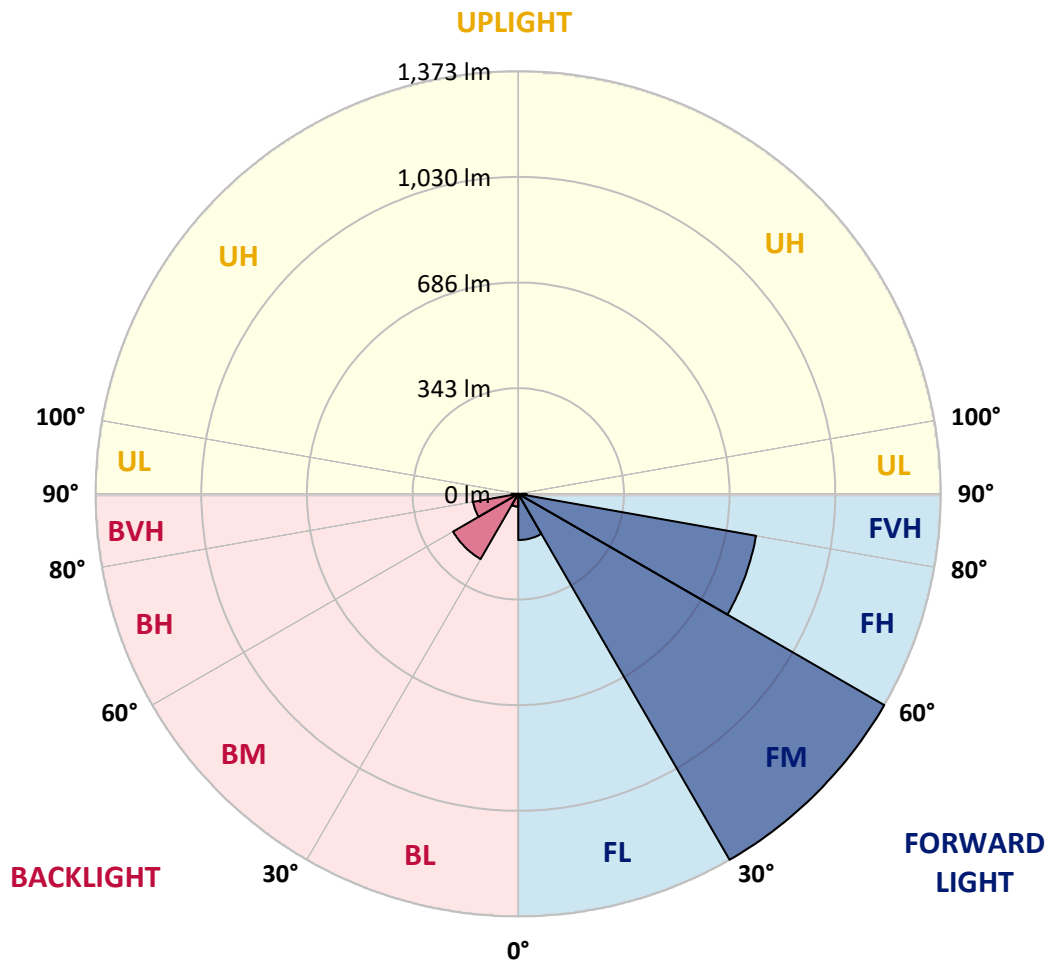
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	150.2	5.4			
FM (30°-60°)	1372.8	49.2			
FH (60°-80°)	784.3	28.1			G1/1800
FVH (80°-90°)	27.2	1.0			G1/100
BL (0°-30°)	41.9	1.5	B0/110		
BM (30°-60°)	244.7	8.8	B1/1000		
BH (60°-80°)	149.0	5.3	B1/500		G1/500
BVH (80°-90°)	22.0	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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7.5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10°	13.7	12.7	9.8	5.9	2.9	1.0	1.0	1.0	1.0	1.0	1.0
12.5°	167.8	167.8	165.8	152.2	19.5	6.8	2.0	4.9	9.8	11.7	12.7
15°	190.2	188.3	188.3	186.3	181.5	41.9	18.5	146.3	133.7	129.8	99.5
17.5°	293.6	331.7	225.4	209.7	203.9	167.8	160.0	172.7	153.2	150.2	115.1
20°	446.8	446.8	443.9	439.0	237.1	326.8	307.3	198.0	201.0	241.9	229.3
22.5°	499.5	497.5	487.8	481.0	517.1	354.1	333.6	363.9	355.1	352.2	269.3
25°	801.9	793.1	779.5	548.3	565.8	497.5	495.6	465.3	398.0	391.2	309.3
27.5°	877.0	870.2	858.5	782.4	646.8	653.6	519.0	558.0	602.9	606.8	464.4
30°	1250.7	1240.0	1105.3	867.3	819.5	712.2	724.9	707.3	667.3	651.7	501.4
32.5°	1335.6	1329.7	1304.3	1131.7	890.7	843.9	811.7	780.5	900.5	880.0	705.3
35°	1402.9	1392.1	1366.8	1174.6	1088.7	980.5	886.8	981.4	963.9	944.4	743.4
37.5°	1439.9	1428.2	1402.9	1222.4	1141.4	1029.2	1051.7	1040.9	1029.2	1021.4	784.4
40°	1433.1	1423.4	1407.8	1253.6	1173.6	1059.5	1131.7	1115.1	1105.3	1146.3	835.1
42.5°	1400.9	1391.2	1380.4	1269.2	1192.2	1081.9	1199.0	1221.4	1240.0	1232.2	891.7
45°	1334.6	1325.8	1325.8	1253.6	1182.4	1100.4	1257.5	1330.7	1357.0	1327.8	964.8
47.5°	1265.3	1258.5	1259.5	1210.7	1163.9	1118.0	1329.7	1419.5	1488.7	1453.6	1070.2
50°	1169.7	1166.8	1181.4	1169.7	1141.4	1120.0	1408.7	1566.8	1695.5	1683.8	1230.2
52.5°	1029.2	1031.2	1072.2	1098.5	1096.5	1106.3	1445.8	1708.2	1957.0	1925.8	1353.1
55°	908.3	901.4	934.6	995.1	1015.6	1082.9	1466.3	1746.3	2090.7	2060.4	1457.5
57.5°	756.1	757.0	794.1	856.6	912.2	1028.3	1483.8	1815.5	2262.4	2227.2	1602.9
60°	565.8	585.3	626.3	689.7	770.7	937.5	1480.9	1910.2	2468.2	2445.8	1769.7
62.5°	369.7	376.6	434.1	496.6	621.4	820.5	1430.2	1978.5	2663.3	2622.3	1879.9
65°	215.6	228.3	254.6	314.1	438.0	656.6	1308.2	1964.8	2746.2	2716.0	1900.4
67.5°	145.4	147.3	160.0	194.1	274.1	472.2	1104.4	1836.0	2727.7	2700.4	1843.8
70°	121.9	122.9	126.8	130.7	158.0	305.4	800.9	1579.5	2575.5	2555.0	1706.3
72.5°	109.3	110.2	112.2	109.3	111.2	176.6	525.8	1310.2	2281.9	2256.5	1478.0
75°	99.5	99.5	99.5	97.6	94.6	108.3	292.7	1005.8	1834.1	1780.4	1123.9
77.5°	86.8	86.8	85.9	85.9	84.9	81.0	143.4	710.2	1233.1	1180.4	663.4
80°	71.2	71.2	71.2	72.2	71.2	60.5	77.1	427.3	597.1	585.3	256.6
82.5°	42.9	43.9	49.8	57.6	56.6	42.9	51.7	197.1	181.5	170.7	80.0
85°	5.9	4.9	13.7	19.5	23.4	15.6	21.5	44.9	41.9	43.9	19.5
87.5°	0.0	0.0	0.0	1.0	1.0	2.0	2.9	2.9	2.9	2.9	2.9
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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	0.0
5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	15.6	14.6	9.8	3.9	0.0	0.0	0.0	0.0	0.0	1.0	1.0
15°	88.8	81.0	74.1	62.4	12.7	2.0	1.0	6.8	15.6	35.1	36.1
17.5°	101.5	91.7	82.9	77.1	69.3	20.5	14.6	71.2	75.1	75.1	75.1
20°	196.1	173.7	120.0	86.8	75.1	62.4	68.3	77.1	80.0	81.0	81.0
22.5°	225.4	195.1	168.8	148.3	86.8	107.3	100.5	83.9	131.7	135.6	136.6
25°	256.6	220.5	178.5	155.1	147.3	110.2	115.1	129.8	139.5	139.5	139.5
27.5°	376.6	308.3	248.8	178.5	158.0	134.6	141.5	133.7	144.4	176.6	182.4
30°	402.9	321.9	247.8	199.0	167.8	157.1	141.5	174.6	187.3	187.3	186.3
32.5°	550.2	421.4	306.3	198.0	181.5	155.1	169.8	180.5	189.3	201.9	206.8
35°	572.7	420.5	294.6	228.3	178.5	162.9	172.7	192.2	224.4	229.3	226.3
37.5°	590.2	412.7	277.1	217.6	192.2	169.8	177.6	210.7	225.4	223.4	219.5
40°	610.7	401.9	257.6	209.7	185.4	169.8	189.3	209.7	215.6	206.8	204.9
42.5°	636.1	388.3	240.0	200.0	178.5	168.8	187.3	198.0	198.0	196.1	194.1
45°	671.2	375.6	223.4	189.3	175.6	164.9	182.4	182.4	194.1	192.2	191.2
47.5°	732.7	362.9	208.8	180.5	171.7	160.0	169.8	176.6	190.2	189.3	188.3
50°	799.0	349.3	197.1	174.6	167.8	154.1	155.1	170.7	186.3	185.4	184.4
52.5°	840.9	324.9	188.3	172.7	163.9	148.3	150.2	165.8	183.4	181.5	179.5
55°	872.2	303.4	182.4	171.7	160.0	134.6	146.3	161.9	179.5	176.6	174.6
57.5°	915.1	285.8	178.5	173.7	157.1	124.9	141.5	158.0	175.6	172.7	172.7
60°	957.0	271.2	174.6	174.6	156.1	120.0	137.6	155.1	171.7	170.7	170.7
62.5°	956.1	253.6	167.8	173.7	155.1	116.1	134.6	152.2	167.8	168.8	167.8
65°	873.1	231.2	158.0	167.8	148.3	113.2	130.7	152.2	163.9	164.9	164.9
67.5°	767.8	202.9	142.4	158.0	136.6	111.2	127.8	149.3	157.1	161.9	161.9
70°	647.8	166.8	122.9	144.4	124.9	109.3	127.8	144.4	149.3	159.0	158.0
72.5°	530.7	131.7	102.4	125.8	112.2	107.3	128.8	137.6	139.5	152.2	148.3
75°	403.9	99.5	81.9	102.4	96.6	105.4	126.8	127.8	126.8	130.7	124.9
77.5°	262.4	75.1	66.3	78.0	80.0	100.5	122.9	116.1	110.2	107.3	104.4
80°	120.0	53.7	50.7	60.5	59.5	92.7	116.1	103.4	94.6	89.8	85.9
82.5°	48.8	35.1	35.1	43.9	41.0	81.0	104.4	88.8	78.0	74.1	72.2
85°	13.7	14.6	15.6	23.4	24.4	62.4	83.9	69.3	56.6	83.9	77.1
87.5°	2.0	2.0	2.0	2.9	2.9	3.9	11.7	15.6	20.5	8.8	7.8
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)