

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: P694500

Luminaire Tested: **LXF.LXT-PA16-20-727-U-SL3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694500
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-26)
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-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2332 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

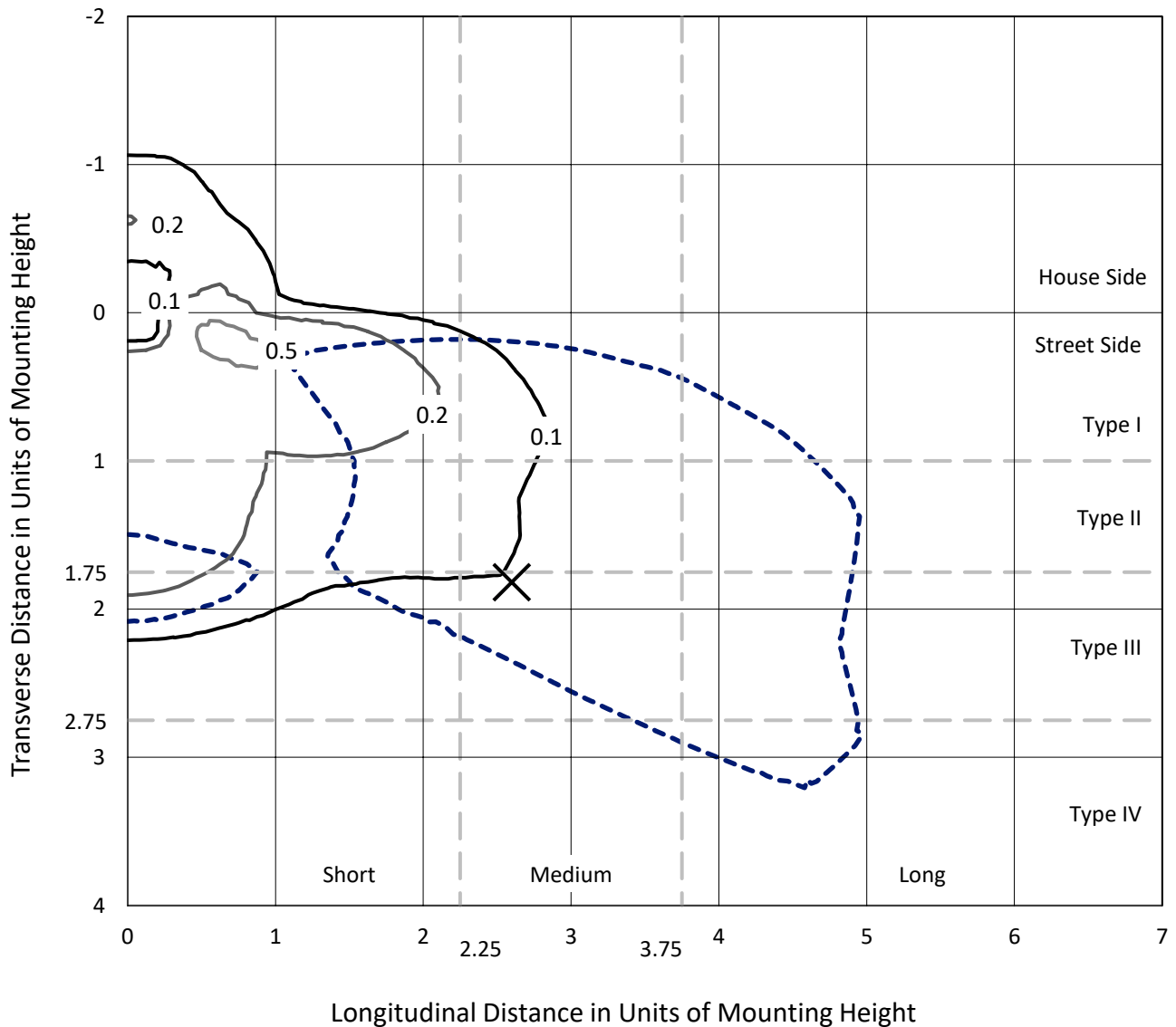
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

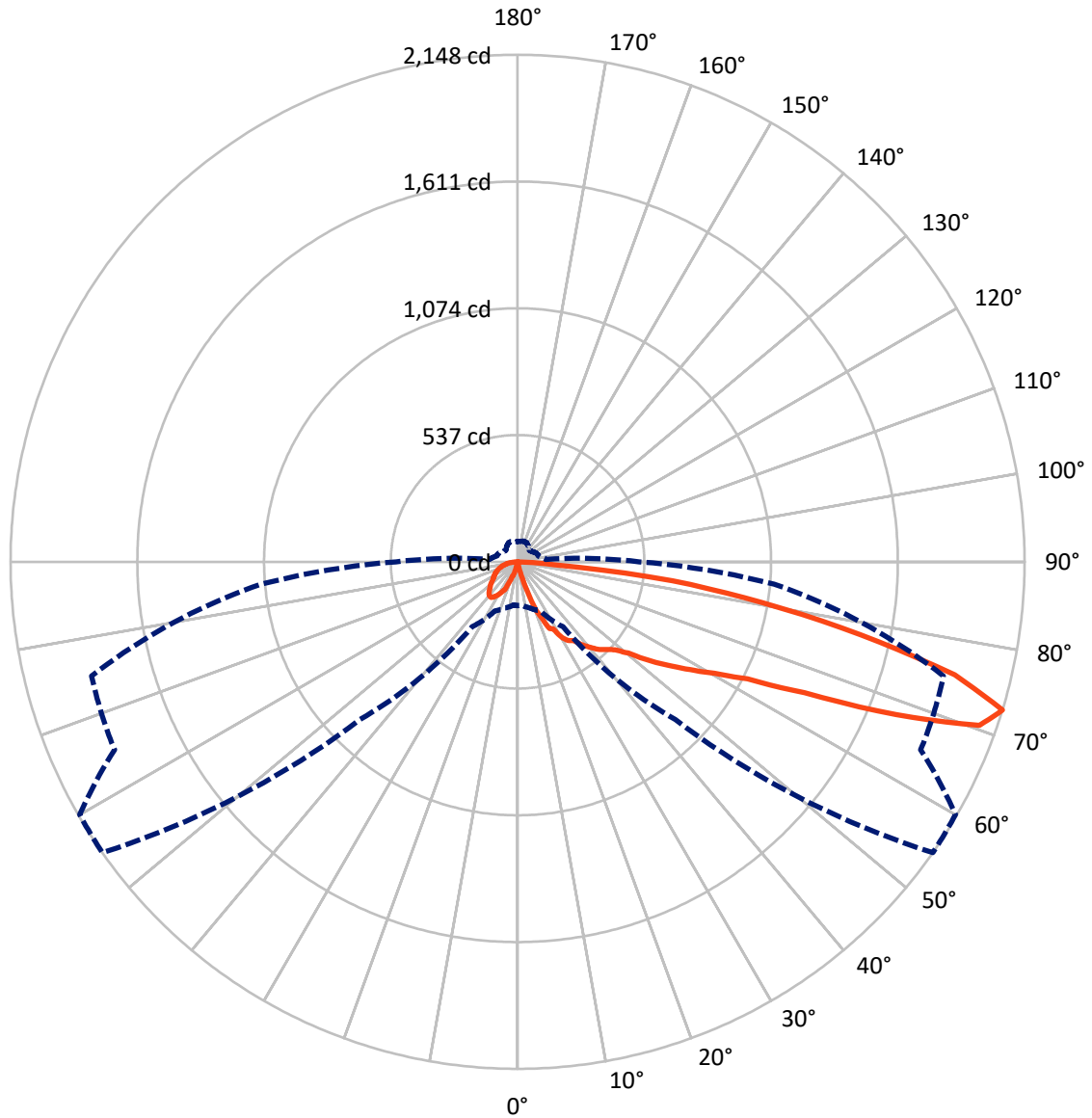
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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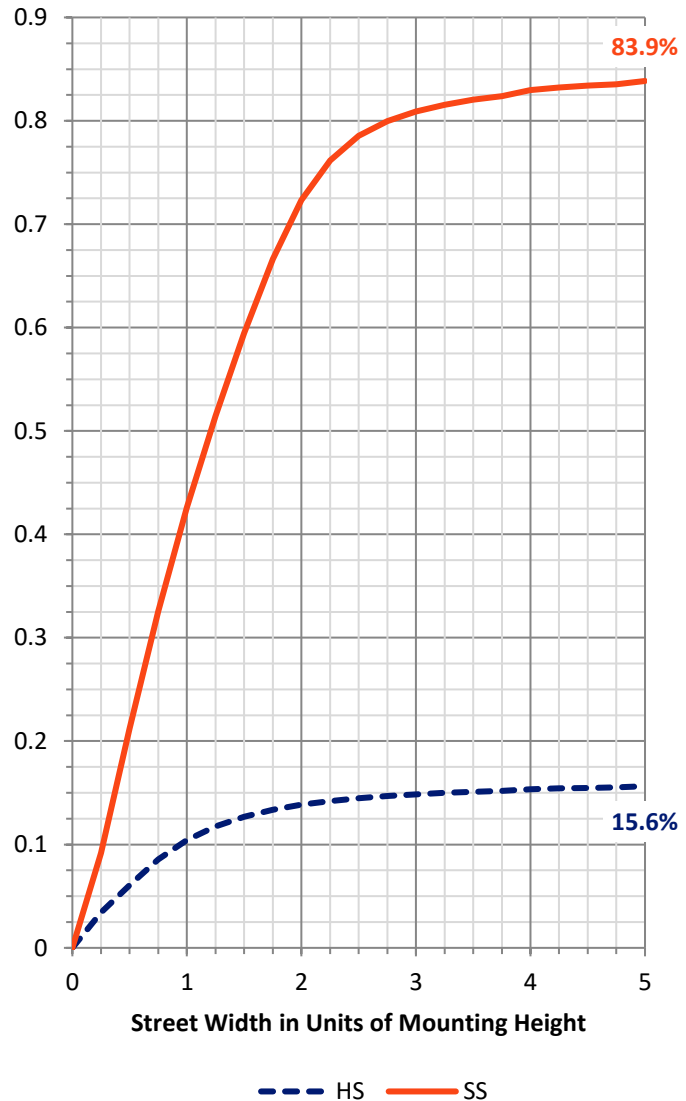
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	370.5	0.0	370.5
	% Fixture	15.9	0.0	15.9
Street Side	Lumens	1961.5	0.0	1961.5
	% Fixture	84.1	0.0	84.1
Total	Lumens	2332.0	0.0	2332.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	22.5	1.0
20°-30°	105.6	4.5
30°-40°	224.8	9.6
40°-50°	327.3	14.0
50°-60°	476.9	20.5
60°-70°	632.9	27.1
70°-80°	466.0	20.0
80°-90°	75.8	3.3
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°	2332.0	100.0
0°-180°	2332.0	100.0

Coefficient of Utilization

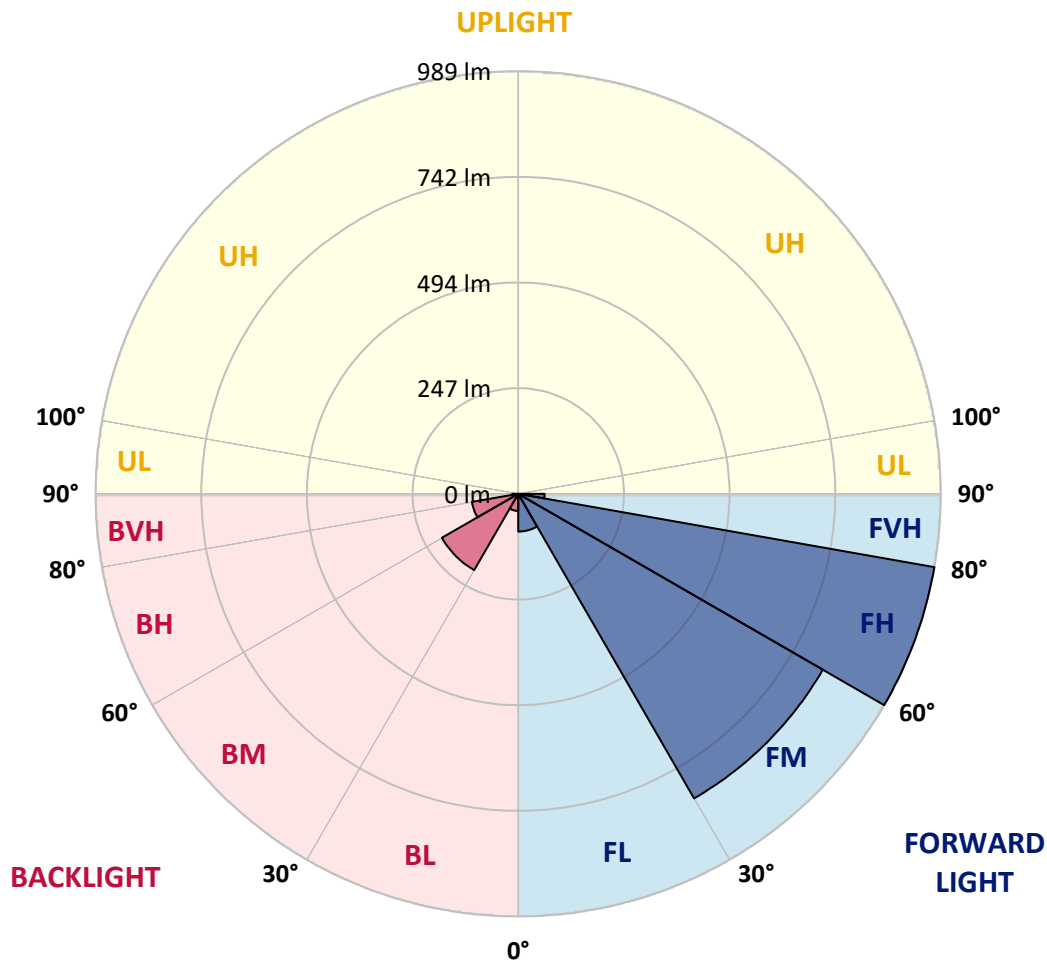


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	88.3	3.8			
FM (30°-60°)	822.9	35.3			
FH (60°-80°)	988.9	42.4			G1/1800
FVH (80°-90°)	61.6	2.6			G1/100
BL (0°-30°)	39.9	1.7	B0/110		
BM (30°-60°)	206.2	8.8	B0/220		
BH (60°-80°)	110.1	4.7	B1/500		G1/500
BVH (80°-90°)	14.3	0.6			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	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	0.8	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°	16.8	17.7	14.3	6.7	2.5	0.8	0.8	0.8	1.7	1.7	2.5
12.5°	133.6	135.3	132.8	53.8	25.2	5.0	3.4	5.9	9.2	14.3	56.3
15°	132.8	132.8	135.3	139.5	139.5	29.4	58.8	76.5	106.7	138.7	137.0
17.5°	140.4	139.5	136.2	134.5	143.7	163.9	124.4	149.6	152.1	157.2	153.8
20°	204.3	204.3	204.3	194.2	145.4	201.7	210.1	169.8	171.5	239.6	232.8
22.5°	223.6	222.7	216.0	211.0	219.4	200.1	253.8	291.7	287.5	326.1	306.0
25°	318.6	309.3	293.4	232.8	242.9	234.5	313.5	359.8	325.3	354.7	384.1
27.5°	371.5	364.8	350.5	316.9	258.9	284.1	321.1	378.2	442.1	506.9	455.6
30°	497.6	490.9	420.3	368.2	321.1	292.5	374.0	448.9	520.3	531.2	474.9
32.5°	516.1	516.9	520.3	470.7	377.4	323.6	398.4	464.0	556.4	667.4	590.1
35°	527.9	527.0	527.0	488.4	449.7	382.5	410.2	522.0	639.7	707.7	584.2
37.5°	563.2	560.6	556.4	497.6	475.8	424.5	447.2	537.1	685.9	770.8	578.3
40°	606.0	608.6	597.6	522.8	493.4	456.4	476.6	543.8	740.5	822.1	575.8
42.5°	666.6	663.2	644.7	564.9	519.5	470.7	508.5	561.5	780.9	891.0	580.8
45°	734.6	726.2	700.2	622.8	558.1	479.1	529.5	593.4	817.0	969.2	598.5
47.5°	805.2	794.3	757.3	669.9	598.5	495.1	556.4	634.6	858.2	1068.3	631.3
50°	872.5	864.9	817.9	719.5	640.5	524.5	607.7	696.8	914.5	1167.5	686.7
52.5°	939.7	927.1	869.1	769.9	680.8	561.5	691.8	788.4	990.2	1267.6	747.2
55°	1012.0	995.2	920.4	819.5	714.5	611.1	773.3	883.4	1080.1	1387.7	822.1
57.5°	1132.2	1120.5	1013.7	893.5	762.4	671.6	861.6	978.4	1176.8	1497.9	896.9
60°	1268.4	1247.4	1142.3	1022.1	862.4	765.7	959.1	1084.3	1269.2	1603.8	980.1
62.5°	1263.3	1242.3	1168.4	1099.4	991.0	922.9	1092.7	1193.6	1348.2	1703.8	1054.1
65°	1003.6	1007.0	1004.5	1016.2	1027.2	1144.0	1335.6	1354.1	1472.6	1797.1	1124.7
67.5°	546.4	541.3	603.5	725.4	894.3	1284.4	1729.0	1613.0	1626.5	1884.5	1173.4
70°	260.6	260.6	296.7	403.5	641.3	1197.8	2075.3	1940.8	1792.1	1922.3	1167.5
72.5°	185.8	183.2	202.6	229.5	335.4	944.8	2147.6	2141.7	1883.7	1867.7	1090.2
75°	150.5	152.1	159.7	174.0	158.9	555.6	1912.3	2019.8	1797.9	1695.4	964.1
77.5°	121.9	121.9	131.1	137.9	101.7	269.8	1484.4	1623.9	1425.6	1382.7	708.6
80°	90.8	90.8	95.8	110.1	74.8	114.3	1050.7	1093.6	940.6	853.2	348.0
82.5°	55.5	52.1	58.8	77.3	53.8	65.6	659.8	595.1	472.4	264.8	103.4
85°	10.1	11.8	16.8	26.9	20.2	24.4	153.0	111.8	94.1	45.4	23.5
87.5°	0.0	0.0	0.0	0.8	1.7	2.5	3.4	4.2	4.2	3.4	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	0.8	0.0	0.8	0.8	0.8	0.8
5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.8
7.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8
10°	2.5	2.5	1.7	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8
12.5°	58.8	60.5	15.1	8.4	2.5	0.8	0.0	0.8	1.7	3.4	4.2
15°	132.8	125.2	96.7	49.6	28.6	3.4	1.7	14.3	38.7	42.0	44.5
17.5°	146.3	136.2	100.9	70.6	55.5	26.9	33.6	53.8	60.5	63.9	63.9
20°	216.9	190.8	123.6	82.4	65.6	71.4	58.8	63.9	70.6	76.5	79.9
22.5°	278.2	232.8	142.9	117.7	89.1	91.6	80.7	92.5	113.5	121.9	122.7
25°	335.4	259.7	150.5	131.1	127.8	104.2	114.3	115.2	125.2	130.3	131.1
27.5°	379.1	273.2	179.9	151.3	141.2	127.8	130.3	128.6	159.7	169.8	171.5
30°	384.1	262.3	188.3	171.5	155.5	147.9	140.4	166.4	179.0	183.2	183.2
32.5°	426.2	270.7	206.8	184.9	170.6	154.7	168.1	176.5	190.8	216.9	217.7
35°	381.6	241.2	214.3	200.9	181.6	168.1	175.7	198.4	226.1	232.0	231.2
37.5°	336.2	219.4	204.3	200.1	188.3	176.5	184.9	206.8	221.9	216.9	216.9
40°	299.2	204.3	196.7	193.3	187.4	172.3	189.1	197.5	214.3	209.3	208.5
42.5°	273.2	193.3	189.1	184.9	180.7	166.4	177.4	195.8	211.0	205.1	203.4
45°	264.8	186.6	184.1	178.2	170.6	158.0	169.8	193.3	207.6	201.7	200.1
47.5°	274.9	180.7	177.4	169.8	159.7	147.1	165.6	189.1	200.1	190.0	189.1
50°	304.3	178.2	170.6	160.5	150.5	143.7	159.7	179.0	188.3	179.0	179.0
52.5°	345.5	179.0	163.9	152.1	140.4	136.2	153.0	172.3	179.9	170.6	169.8
55°	390.0	181.6	155.5	143.7	127.8	130.3	149.6	169.0	171.5	161.4	160.5
57.5°	440.4	184.1	147.1	137.9	121.0	123.6	142.9	162.2	161.4	147.9	147.9
60°	491.7	186.6	138.7	130.3	114.3	115.2	134.5	153.8	148.8	135.3	134.5
62.5°	534.6	184.1	128.6	121.9	107.6	105.1	124.4	143.7	139.5	125.2	125.2
65°	571.6	174.0	120.2	113.5	100.9	96.7	114.3	131.1	127.8	114.3	115.2
67.5°	586.7	158.0	111.8	105.1	93.3	87.4	102.5	116.0	115.2	104.2	105.1
70°	564.0	136.2	102.5	96.7	84.9	77.3	90.8	102.5	102.5	95.0	95.0
72.5°	515.3	120.2	92.5	87.4	74.8	68.9	79.9	89.1	90.8	85.7	86.6
75°	460.6	105.1	80.7	78.2	66.4	58.8	68.1	77.3	79.0	76.5	76.5
77.5°	347.1	81.5	68.1	68.1	58.0	50.4	58.0	66.4	68.1	67.2	66.4
80°	175.7	58.0	54.6	58.0	47.9	42.0	47.9	55.5	58.0	63.0	63.0
82.5°	59.7	37.8	41.2	47.1	38.7	33.6	37.0	45.4	59.7	51.3	50.4
85°	16.8	16.8	21.9	25.2	26.1	22.7	26.1	42.9	34.5	29.4	28.6
87.5°	1.7	2.5	3.4	5.0	4.2	5.0	6.7	8.4	5.9	4.2	3.4
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)