

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: P694770

Luminaire Tested: **LXF.LXT-PA16-30-727-U-SL3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694770
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-PA16-30-727-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 560mA 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: 3018 lumens
Efficiency: N/A
Efficacy: 103.4 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

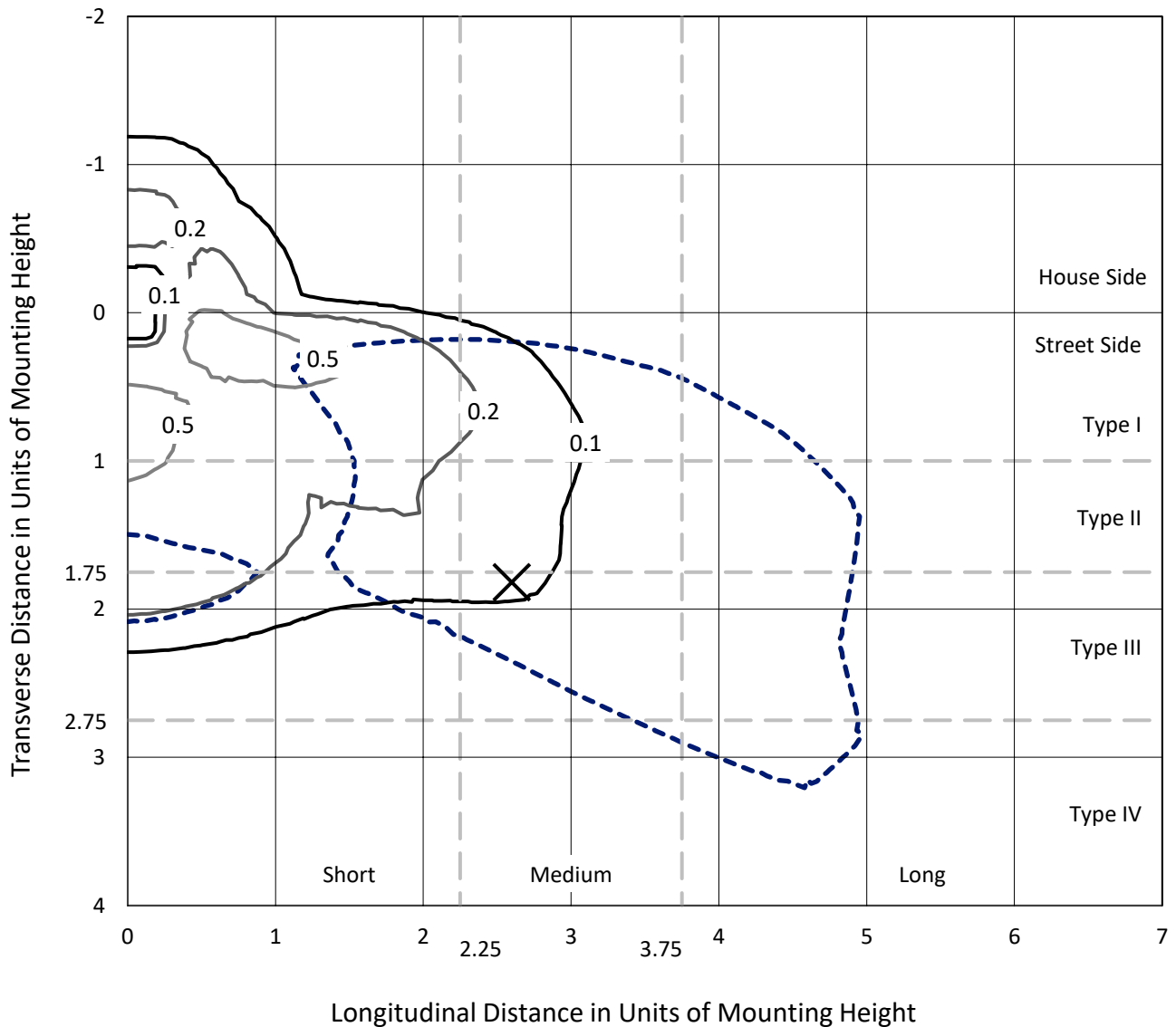
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

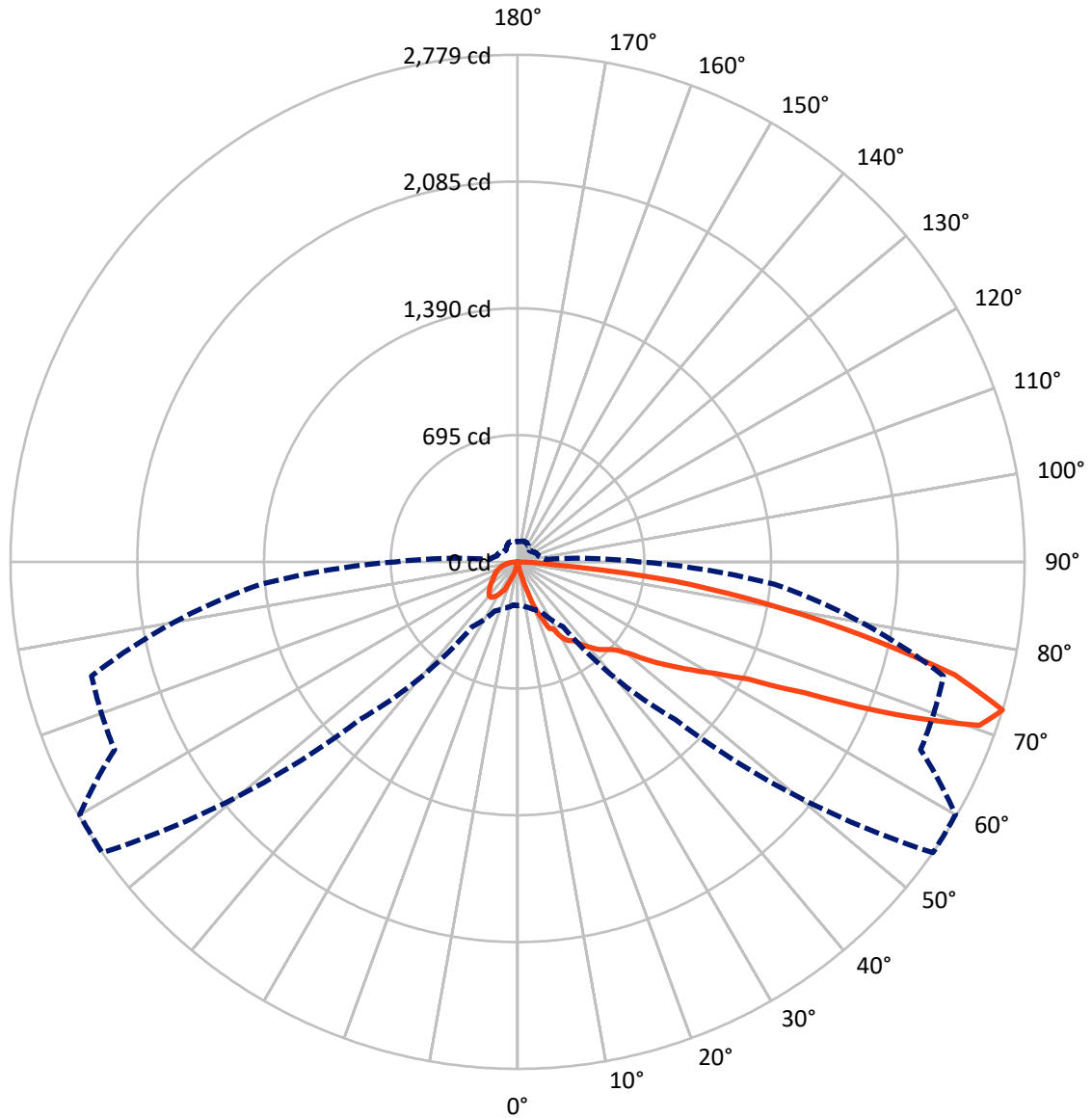
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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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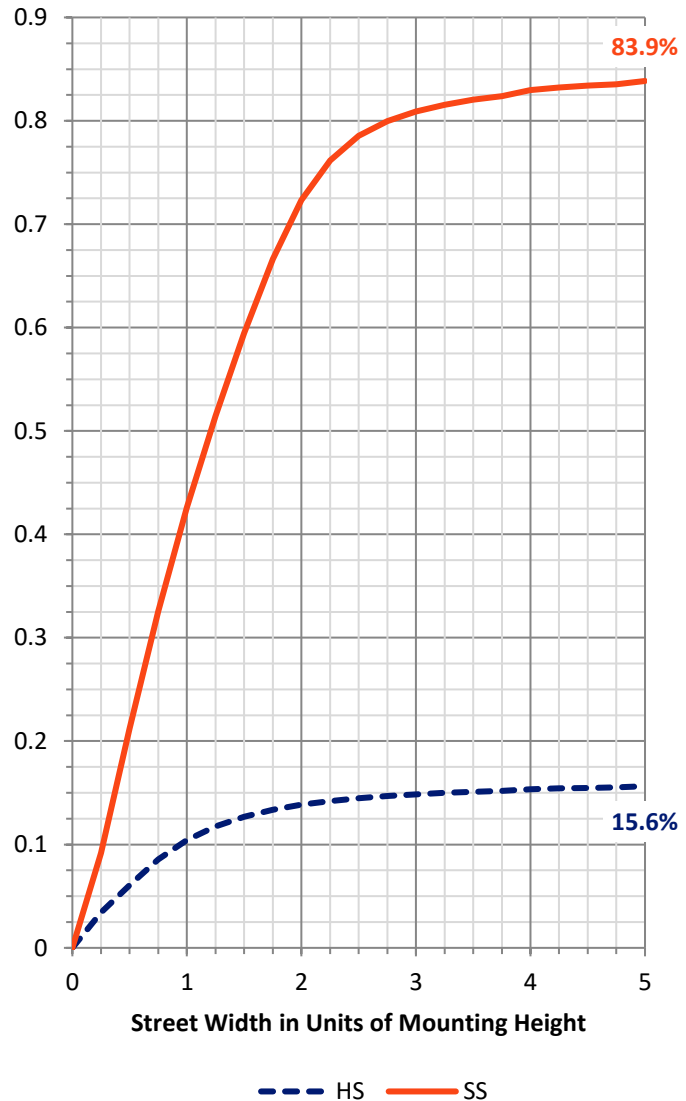
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	479.4	0.0	479.4
	% Fixture	15.9	0.0	15.9
Street Side	Lumens	2538.6	0.0	2538.6
	% Fixture	84.1	0.0	84.1
Total	Lumens	3018.0	0.0	3018.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	29.2	1.0
20°-30°	136.6	4.5
30°-40°	290.9	9.6
40°-50°	423.6	14.0
50°-60°	617.2	20.5
60°-70°	819.1	27.1
70°-80°	603.1	20.0
80°-90°	98.1	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°	3018.0	100.0
0°-180°	3018.0	100.0

Coefficient of Utilization

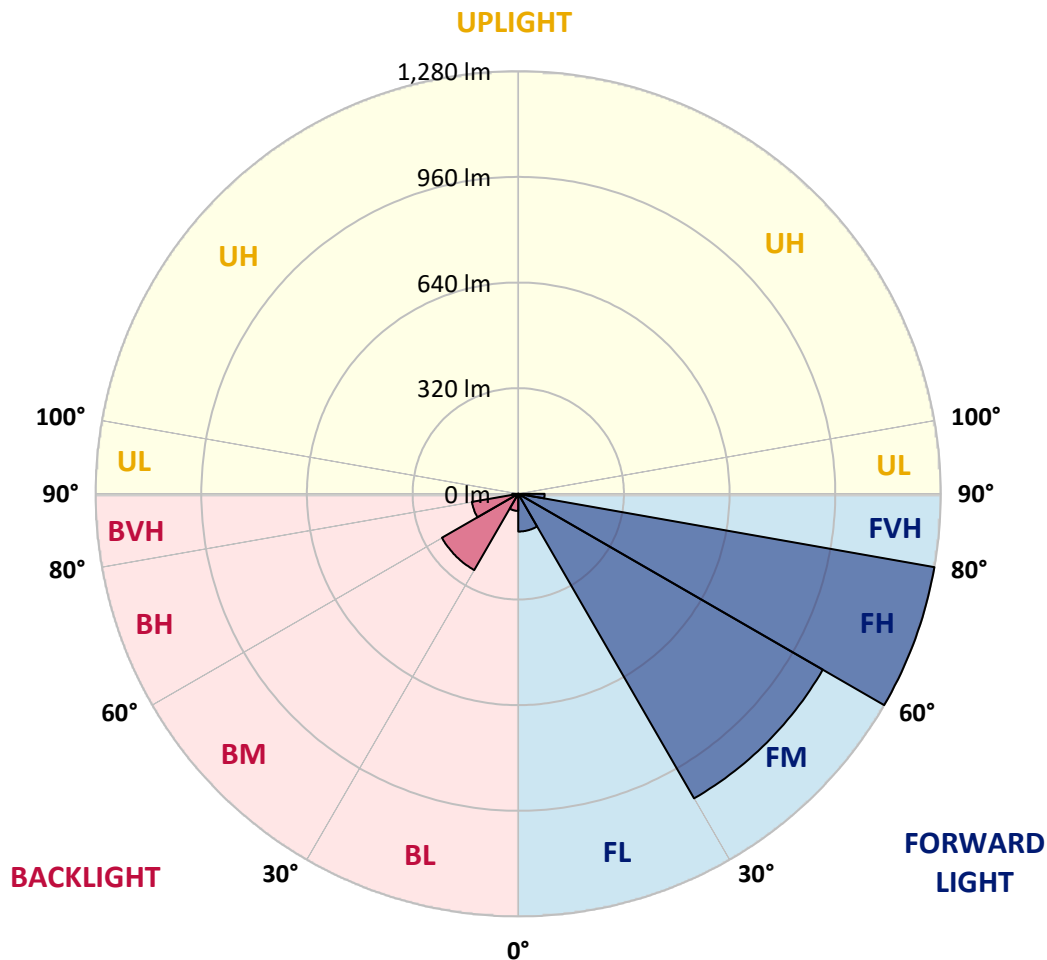


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	114.2	3.8			
FM (30°-60°)	1064.9	35.3			
FH (60°-80°)	1279.8	42.4			G1/1800
FVH (80°-90°)	79.7	2.6			G1/100
BL (0°-30°)	51.7	1.7	B0/110		
BM (30°-60°)	266.8	8.8	B1/1000		
BH (60°-80°)	142.5	4.7	B1/500		G1/500
BVH (80°-90°)	18.5	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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
5°	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
7.5°	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
10°	21.8	22.8	18.5	8.7	3.3	1.1	1.1	1.1	2.2	2.2	3.3
12.5°	173.0	175.1	171.9	69.6	32.6	6.5	4.4	7.6	12.0	18.5	72.9
15°	171.9	171.9	175.1	180.6	180.6	38.1	76.1	99.0	138.2	179.5	177.3
17.5°	181.7	180.6	176.2	174.1	186.0	212.1	161.0	193.6	196.9	203.4	199.1
20°	264.3	264.3	264.3	251.3	188.2	261.1	272.0	219.7	221.9	310.0	301.3
22.5°	289.4	288.3	279.6	273.0	283.9	258.9	328.5	377.5	372.0	422.1	396.0
25°	412.3	400.3	379.6	301.3	314.4	303.5	405.8	465.6	421.0	459.1	497.1
27.5°	480.8	472.1	453.6	410.1	335.0	367.7	415.5	489.5	572.2	656.0	589.6
30°	644.0	635.3	543.9	476.5	415.5	378.6	484.1	580.9	673.4	687.5	614.6
32.5°	667.9	669.0	673.4	609.2	488.4	418.8	515.6	600.5	720.1	863.7	763.6
35°	683.1	682.1	682.1	632.0	582.0	495.0	530.9	675.5	827.8	915.9	756.0
37.5°	728.8	725.6	720.1	644.0	615.7	549.3	578.7	695.1	887.7	997.5	748.4
40°	784.3	787.6	773.4	676.6	638.5	590.7	616.8	703.8	958.4	1063.9	745.2
42.5°	862.6	858.3	834.4	731.0	672.3	609.2	658.1	726.7	1010.6	1153.1	751.7
45°	950.7	939.9	906.1	806.1	722.3	620.1	685.3	768.0	1057.4	1254.2	774.5
47.5°	1042.1	1028.0	980.1	867.0	774.5	640.7	720.1	821.3	1110.7	1382.6	816.9
50°	1129.2	1119.4	1058.4	931.2	828.9	678.8	786.5	901.8	1183.5	1511.0	888.7
52.5°	1216.2	1199.9	1124.8	996.4	881.1	726.7	895.3	1020.4	1281.4	1640.4	967.1
55°	1309.7	1288.0	1191.2	1060.6	924.6	790.8	1000.8	1143.3	1397.8	1796.0	1063.9
57.5°	1465.3	1450.1	1311.9	1156.3	986.6	869.2	1115.0	1266.2	1522.9	1938.5	1160.7
60°	1641.5	1614.3	1478.3	1322.8	1116.1	991.0	1241.2	1403.3	1642.6	2075.5	1268.4
62.5°	1635.0	1607.8	1512.1	1422.9	1282.5	1194.4	1414.2	1544.7	1744.9	2205.0	1364.1
65°	1298.9	1303.2	1299.9	1315.2	1329.3	1480.5	1728.5	1752.5	1905.9	2325.7	1455.5
67.5°	707.1	700.6	781.1	938.8	1157.4	1662.2	2237.6	2087.5	2104.9	2438.9	1518.6
70°	337.2	337.2	384.0	522.2	830.0	1550.1	2685.8	2511.8	2319.2	2487.8	1511.0
72.5°	240.4	237.1	262.2	297.0	434.0	1222.7	2779.4	2771.8	2437.8	2417.1	1410.9
75°	194.7	196.9	206.7	225.2	205.6	719.0	2474.8	2614.0	2326.8	2194.1	1247.7
77.5°	157.7	157.7	169.7	178.4	131.6	349.2	1921.1	2101.7	1844.9	1789.5	917.0
80°	117.5	117.5	124.0	142.5	96.8	147.9	1359.8	1415.2	1217.3	1104.1	450.4
82.5°	71.8	67.4	76.1	100.1	69.6	84.8	853.9	770.2	611.4	342.7	133.8
85°	13.1	15.2	21.8	34.8	26.1	31.5	198.0	144.7	121.8	58.7	30.5
87.5°	0.0	0.0	0.0	1.1	2.2	3.3	4.4	5.4	5.4	4.4	3.3
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	1.1
5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	1.1	1.1	1.1	1.1
7.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	1.1	1.1	1.1
10°	3.3	3.3	2.2	1.1	1.1	0.0	0.0	0.0	1.1	1.1	1.1
12.5°	76.1	78.3	19.6	10.9	3.3	1.1	0.0	1.1	2.2	4.4	5.4
15°	171.9	162.1	125.1	64.2	37.0	4.4	2.2	18.5	50.0	54.4	57.7
17.5°	189.3	176.2	130.5	91.4	71.8	34.8	43.5	69.6	78.3	82.7	82.7
20°	280.7	246.9	159.9	106.6	84.8	92.5	76.1	82.7	91.4	99.0	103.3
22.5°	360.1	301.3	184.9	152.3	115.3	118.6	104.4	119.7	146.9	157.7	158.8
25°	434.0	336.1	194.7	169.7	165.3	134.9	147.9	149.0	162.1	168.6	169.7
27.5°	490.6	353.5	232.8	195.8	182.8	165.3	168.6	166.4	206.7	219.7	221.9
30°	497.1	339.4	243.7	221.9	201.2	191.5	181.7	215.4	231.7	237.1	237.1
32.5°	551.5	350.3	267.6	239.3	220.8	200.2	217.6	228.4	246.9	280.7	281.7
35°	493.9	312.2	277.4	260.0	235.0	217.6	227.4	256.7	292.6	300.2	299.1
37.5°	435.1	283.9	264.3	258.9	243.7	228.4	239.3	267.6	287.2	280.7	280.7
40°	387.3	264.3	254.5	250.2	242.6	223.0	244.8	255.6	277.4	270.9	269.8
42.5°	353.5	250.2	244.8	239.3	233.9	215.4	229.5	253.5	273.0	265.4	263.3
45°	342.7	241.5	238.2	230.6	220.8	204.5	219.7	250.2	268.7	261.1	258.9
47.5°	355.7	233.9	229.5	219.7	206.7	190.4	214.3	244.8	258.9	245.8	244.8
50°	393.8	230.6	220.8	207.8	194.7	186.0	206.7	231.7	243.7	231.7	231.7
52.5°	447.1	231.7	212.1	196.9	181.7	176.2	198.0	223.0	232.8	220.8	219.7
55°	504.7	235.0	201.2	186.0	165.3	168.6	193.6	218.7	221.9	208.9	207.8
57.5°	570.0	238.2	190.4	178.4	156.6	159.9	184.9	209.9	208.9	191.5	191.5
60°	636.4	241.5	179.5	168.6	147.9	149.0	174.1	199.1	192.5	175.1	174.1
62.5°	691.8	238.2	166.4	157.7	139.2	136.0	161.0	186.0	180.6	162.1	162.1
65°	739.7	225.2	155.6	146.9	130.5	125.1	147.9	169.7	165.3	147.9	149.0
67.5°	759.3	204.5	144.7	136.0	120.7	113.1	132.7	150.1	149.0	134.9	136.0
70°	729.9	176.2	132.7	125.1	109.9	100.1	117.5	132.7	132.7	122.9	122.9
72.5°	666.8	155.6	119.7	113.1	96.8	89.2	103.3	115.3	117.5	111.0	112.0
75°	596.1	136.0	104.4	101.2	85.9	76.1	88.1	100.1	102.3	99.0	99.0
77.5°	449.3	105.5	88.1	88.1	75.1	65.3	75.1	85.9	88.1	87.0	85.9
80°	227.4	75.1	70.7	75.1	62.0	54.4	62.0	71.8	75.1	81.6	81.6
82.5°	77.2	49.0	53.3	60.9	50.0	43.5	47.9	58.7	77.2	66.4	65.3
85°	21.8	21.8	28.3	32.6	33.7	29.4	33.7	55.5	44.6	38.1	37.0
87.5°	2.2	3.3	4.4	6.5	5.4	6.5	8.7	10.9	7.6	5.4	4.4
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)