

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: P694950

Luminaire Tested: **LXF.LXT-PA16-30-827-U-SL3**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694950  
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-PA16-30-827-U-SL3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 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: 2706 lumens  
Efficiency: N/A  
Efficacy: 92.7 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

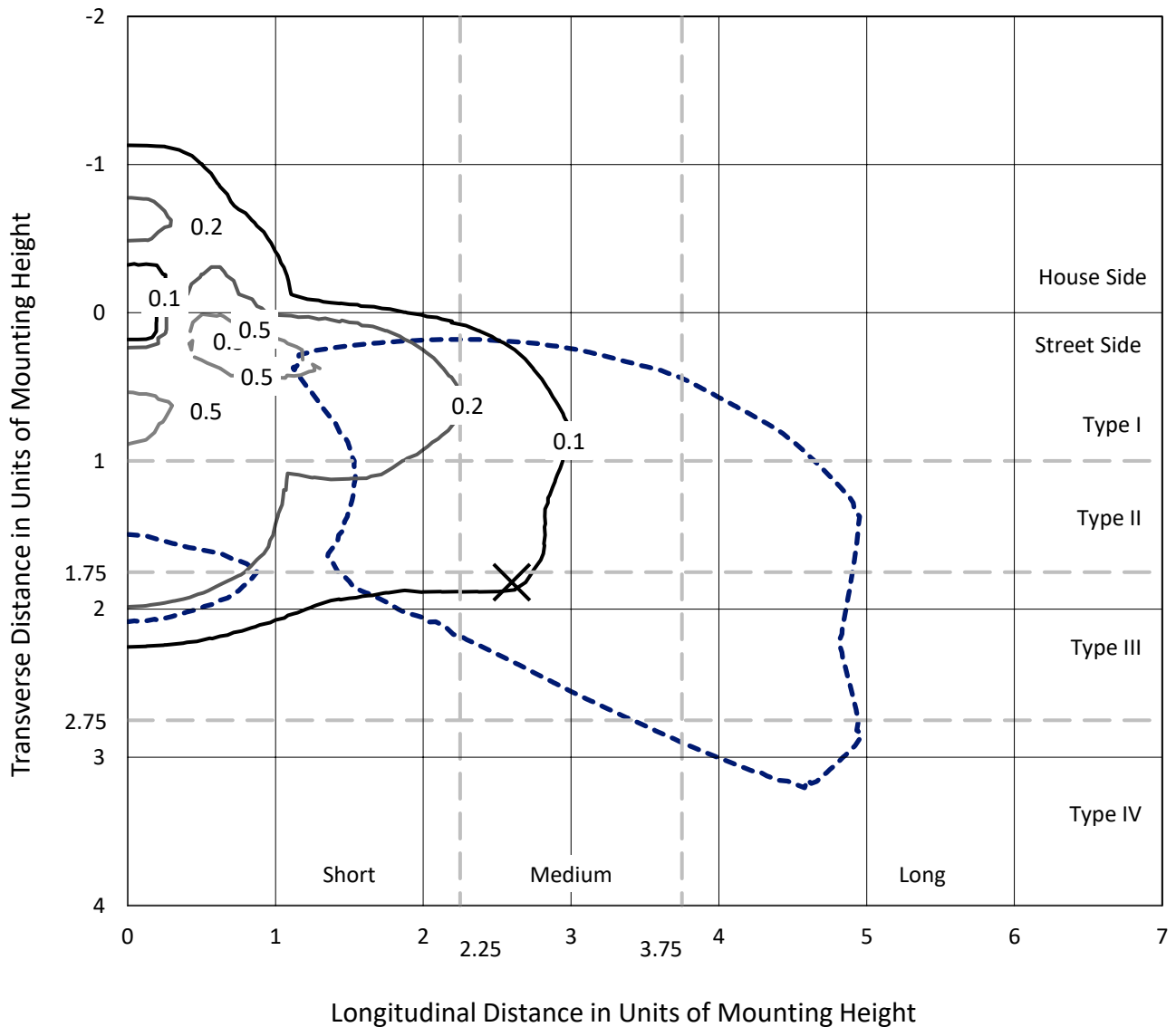
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

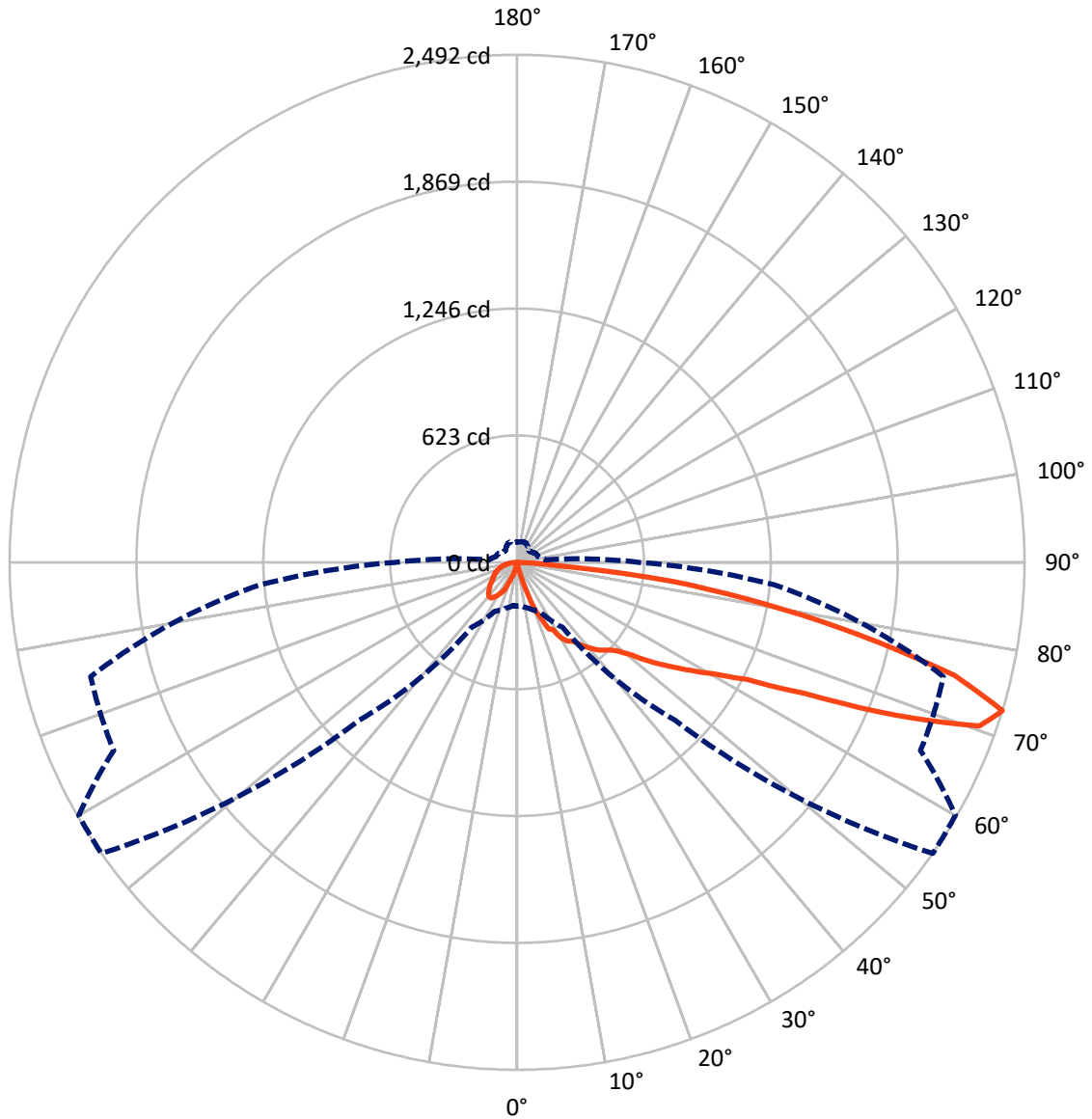
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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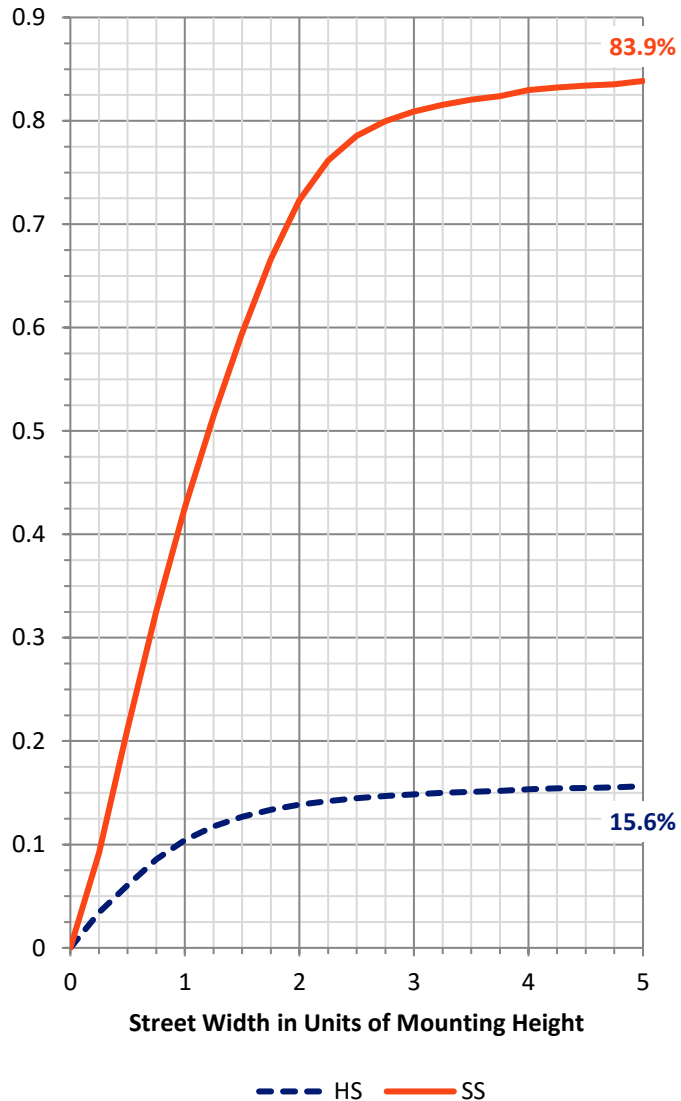
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	429.9	0.0	429.9
	% Fixture	15.9	0.0	15.9
<b>Street Side</b>	Lumens	2276.1	0.0	2276.1
	% Fixture	84.1	0.0	84.1
<b>Total</b>	Lumens	2706.0	0.0	2706.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	26.1	1.0
20°-30°	122.5	4.5
30°-40°	260.8	9.6
40°-50°	379.8	14.0
50°-60°	553.4	20.5
60°-70°	734.5	27.1
70°-80°	540.7	20.0
80°-90°	88.0	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°	2706.0	100.0
0°-180°	2706.0	100.0

**Coefficient of Utilization**

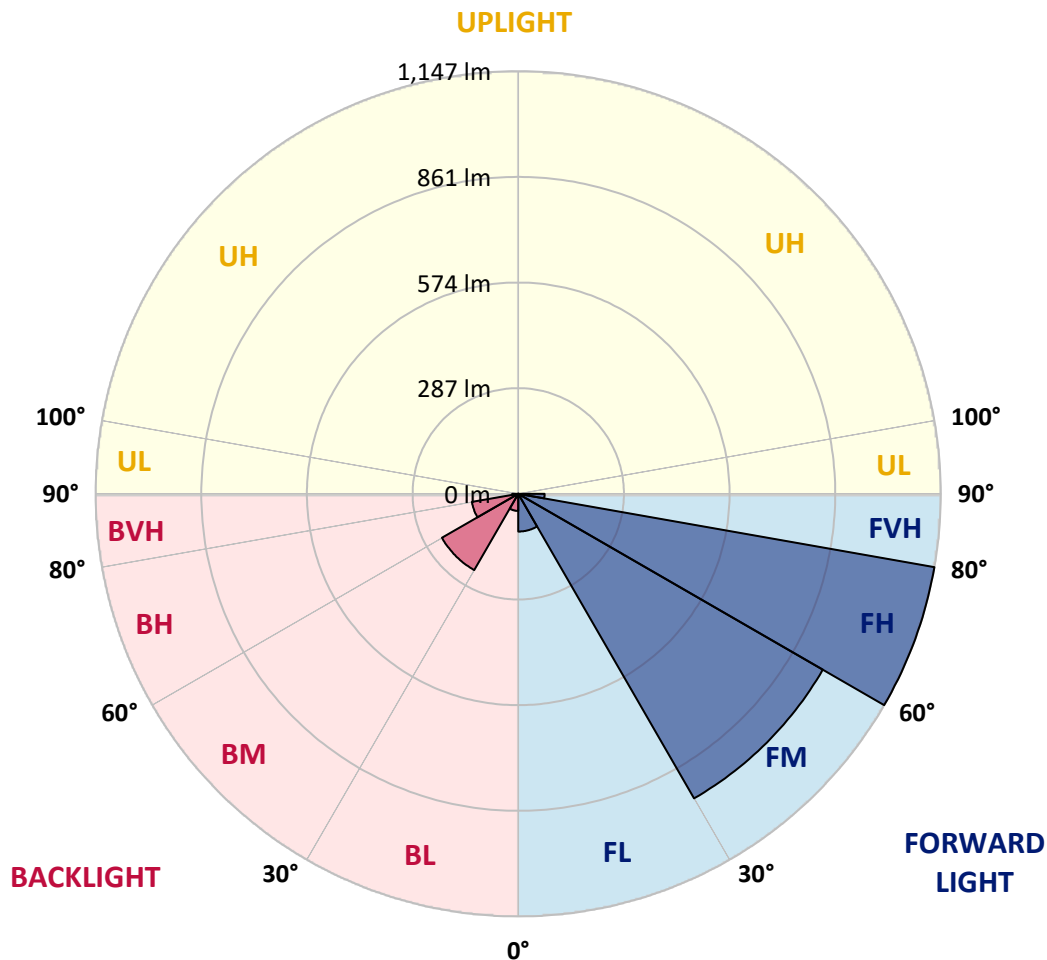


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	102.4	3.8			
FM (30°-60°)	954.8	35.3			
FH (60°-80°)	1147.5	42.4			G1/1800
FVH (80°-90°)	71.4	2.6			G1/100
BL (0°-30°)	46.3	1.7	B0/110		
BM (30°-60°)	239.2	8.8	B1/1000		
BH (60°-80°)	127.8	4.7	B1/500		G1/500
BVH (80°-90°)	16.6	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°	1.0	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	1.0	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°	19.5	20.5	16.6	7.8	2.9	1.0	1.0	1.0	2.0	2.0	2.9
12.5°	155.1	157.0	154.1	62.4	29.3	5.9	3.9	6.8	10.7	16.6	65.3
15°	154.1	154.1	157.0	161.9	161.9	34.1	68.3	88.8	123.9	160.9	159.0
17.5°	162.9	161.9	158.0	156.1	166.8	190.2	144.4	173.6	176.5	182.4	178.5
20°	237.0	237.0	237.0	225.3	168.7	234.1	243.8	197.0	199.0	278.0	270.2
22.5°	259.4	258.5	250.7	244.8	254.6	232.1	294.6	338.4	333.6	378.4	355.0
25°	369.7	358.9	340.4	270.2	281.9	272.1	363.8	417.5	377.5	411.6	445.7
27.5°	431.1	423.3	406.7	367.7	300.4	329.7	372.6	438.9	513.0	588.1	528.6
30°	577.4	569.6	487.7	427.2	372.6	339.4	434.0	520.8	603.7	616.4	551.1
32.5°	598.9	599.8	603.7	546.2	437.9	375.5	462.3	538.4	645.7	774.4	684.7
35°	612.5	611.5	611.5	566.7	521.8	443.8	476.0	605.7	742.2	821.2	677.9
37.5°	653.5	650.6	645.7	577.4	552.1	492.6	518.9	623.3	795.9	894.4	671.0
40°	703.2	706.2	693.5	606.7	572.5	529.6	553.0	631.1	859.3	953.9	668.1
42.5°	773.5	769.6	748.1	655.4	602.8	546.2	590.1	651.5	906.1	1033.9	674.0
45°	852.5	842.7	812.5	722.7	647.6	556.0	614.5	688.6	948.0	1124.6	694.5
47.5°	934.4	921.7	878.8	777.4	694.5	574.5	645.7	736.4	995.8	1239.7	732.5
50°	1012.4	1003.6	949.0	834.9	743.2	608.6	705.2	808.6	1061.2	1354.8	796.9
52.5°	1090.4	1075.8	1008.5	893.4	790.0	651.5	802.7	914.9	1149.0	1470.8	867.1
55°	1174.3	1154.8	1068.0	951.0	829.1	709.1	897.3	1025.1	1253.3	1610.3	953.9
57.5°	1313.8	1300.1	1176.3	1036.8	884.6	779.3	999.7	1135.3	1365.5	1738.1	1040.7
60°	1471.8	1447.4	1325.5	1186.0	1000.7	888.5	1112.9	1258.2	1472.8	1861.0	1137.3
62.5°	1466.0	1441.6	1355.7	1275.8	1149.9	1070.9	1268.0	1385.0	1564.5	1977.0	1223.1
65°	1164.6	1168.5	1165.6	1179.2	1191.9	1327.5	1549.8	1571.3	1708.8	2085.3	1305.0
67.5°	634.0	628.1	700.3	841.7	1037.8	1490.3	2006.3	1871.7	1887.3	2186.7	1361.6
70°	302.4	302.4	344.3	468.2	744.2	1389.9	2408.2	2252.1	2079.5	2230.6	1354.8
72.5°	215.6	212.6	235.1	266.3	389.2	1096.3	2492.0	2485.2	2185.8	2167.2	1265.0
75°	174.6	176.5	185.3	201.9	184.3	644.7	2218.9	2343.8	2086.3	1967.3	1118.7
77.5°	141.4	141.4	152.2	160.0	118.0	313.1	1722.5	1884.4	1654.2	1604.5	822.2
80°	105.3	105.3	111.2	127.8	86.8	132.6	1219.2	1268.9	1091.4	990.0	403.8
82.5°	64.4	60.5	68.3	89.7	62.4	76.1	765.7	690.6	548.2	307.2	120.0
85°	11.7	13.7	19.5	31.2	23.4	28.3	177.5	129.7	109.2	52.7	27.3
87.5°	0.0	0.0	0.0	1.0	2.0	2.9	3.9	4.9	4.9	3.9	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	1.0	0.0	1.0	1.0	1.0	1.0
5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0
7.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0
10°	2.9	2.9	2.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0
12.5°	68.3	70.2	17.6	9.8	2.9	1.0	0.0	1.0	2.0	3.9	4.9
15°	154.1	145.3	112.2	57.5	33.2	3.9	2.0	16.6	44.9	48.8	51.7
17.5°	169.7	158.0	117.0	81.9	64.4	31.2	39.0	62.4	70.2	74.1	74.1
20°	251.6	221.4	143.4	95.6	76.1	82.9	68.3	74.1	81.9	88.8	92.7
22.5°	322.8	270.2	165.8	136.5	103.4	106.3	93.6	107.3	131.7	141.4	142.4
25°	389.2	301.4	174.6	152.2	148.3	120.9	132.6	133.6	145.3	151.2	152.2
27.5°	439.9	317.0	208.7	175.6	163.9	148.3	151.2	149.2	185.3	197.0	199.0
30°	445.7	304.3	218.5	199.0	180.4	171.7	162.9	193.1	207.8	212.6	212.6
32.5°	494.5	314.1	239.9	214.6	198.0	179.5	195.1	204.8	221.4	251.6	252.6
35°	442.8	279.9	248.7	233.1	210.7	195.1	203.8	230.2	262.4	269.2	268.2
37.5°	390.1	254.6	237.0	232.1	218.5	204.8	214.6	239.9	257.5	251.6	251.6
40°	347.2	237.0	228.2	224.3	217.5	199.9	219.5	229.2	248.7	242.9	241.9
42.5°	317.0	224.3	219.5	214.6	209.7	193.1	205.8	227.3	244.8	238.0	236.0
45°	307.2	216.5	213.6	206.8	198.0	183.4	197.0	224.3	240.9	234.1	232.1
47.5°	318.9	209.7	205.8	197.0	185.3	170.7	192.1	219.5	232.1	220.4	219.5
50°	353.1	206.8	198.0	186.3	174.6	166.8	185.3	207.8	218.5	207.8	207.8
52.5°	400.9	207.8	190.2	176.5	162.9	158.0	177.5	199.9	208.7	198.0	197.0
55°	452.6	210.7	180.4	166.8	148.3	151.2	173.6	196.0	199.0	187.3	186.3
57.5°	511.1	213.6	170.7	160.0	140.5	143.4	165.8	188.2	187.3	171.7	171.7
60°	570.6	216.5	160.9	151.2	132.6	133.6	156.1	178.5	172.6	157.0	156.1
62.5°	620.3	213.6	149.2	141.4	124.8	121.9	144.4	166.8	161.9	145.3	145.3
65°	663.2	201.9	139.5	131.7	117.0	112.2	132.6	152.2	148.3	132.6	133.6
67.5°	680.8	183.4	129.7	121.9	108.3	101.4	119.0	134.6	133.6	120.9	121.9
70°	654.5	158.0	119.0	112.2	98.5	89.7	105.3	119.0	119.0	110.2	110.2
72.5°	597.9	139.5	107.3	101.4	86.8	80.0	92.7	103.4	105.3	99.5	100.5
75°	534.5	121.9	93.6	90.7	77.1	68.3	79.0	89.7	91.7	88.8	88.8
77.5°	402.8	94.6	79.0	79.0	67.3	58.5	67.3	77.1	79.0	78.0	77.1
80°	203.8	67.3	63.4	67.3	55.6	48.8	55.6	64.4	67.3	73.2	73.2
82.5°	69.3	43.9	47.8	54.6	44.9	39.0	42.9	52.7	69.3	59.5	58.5
85°	19.5	19.5	25.4	29.3	30.2	26.3	30.2	49.7	40.0	34.1	33.2
87.5°	2.0	2.9	3.9	5.9	4.9	5.9	7.8	9.8	6.8	4.9	3.9
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)