

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: P695490

Luminaire Tested: **LXF.LXT-PA16-50-827-U-SL3**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695490  
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-PA16-50-827-U-SL3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 980mA 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: 4302 lumens  
Efficiency: N/A  
Efficacy: 81.0 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

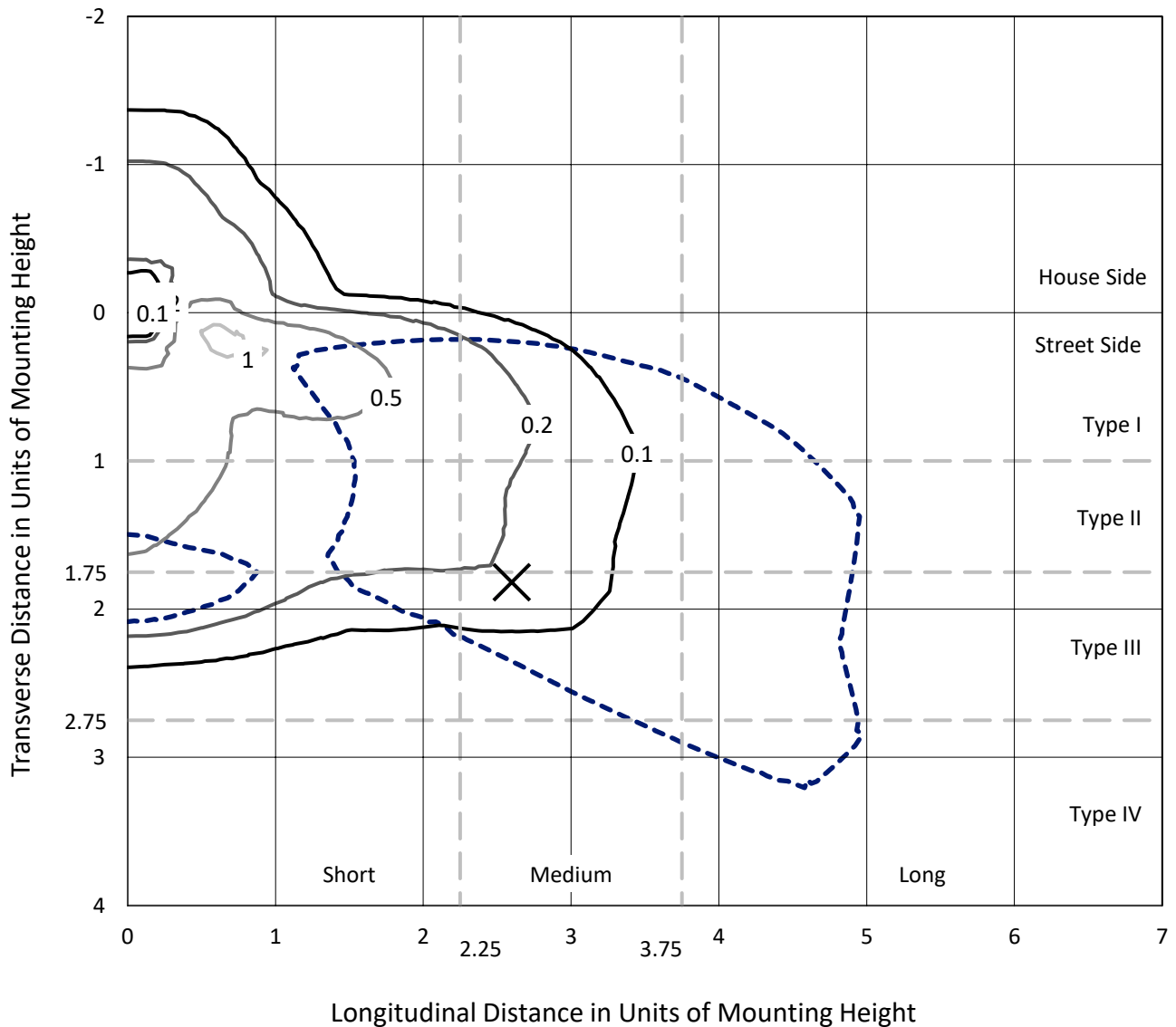
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

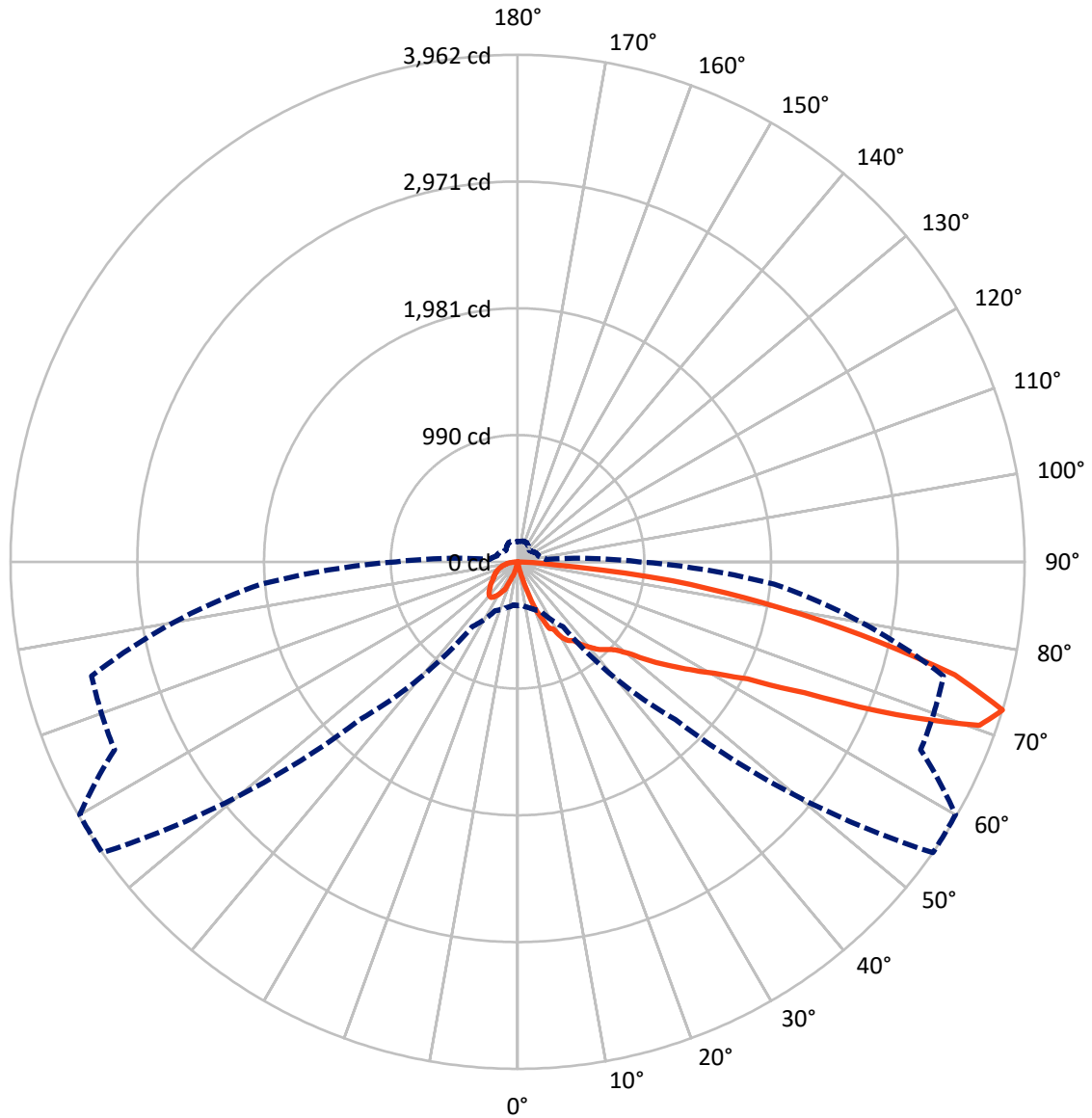
× Max cd  
 - - - 1/2 Max cd



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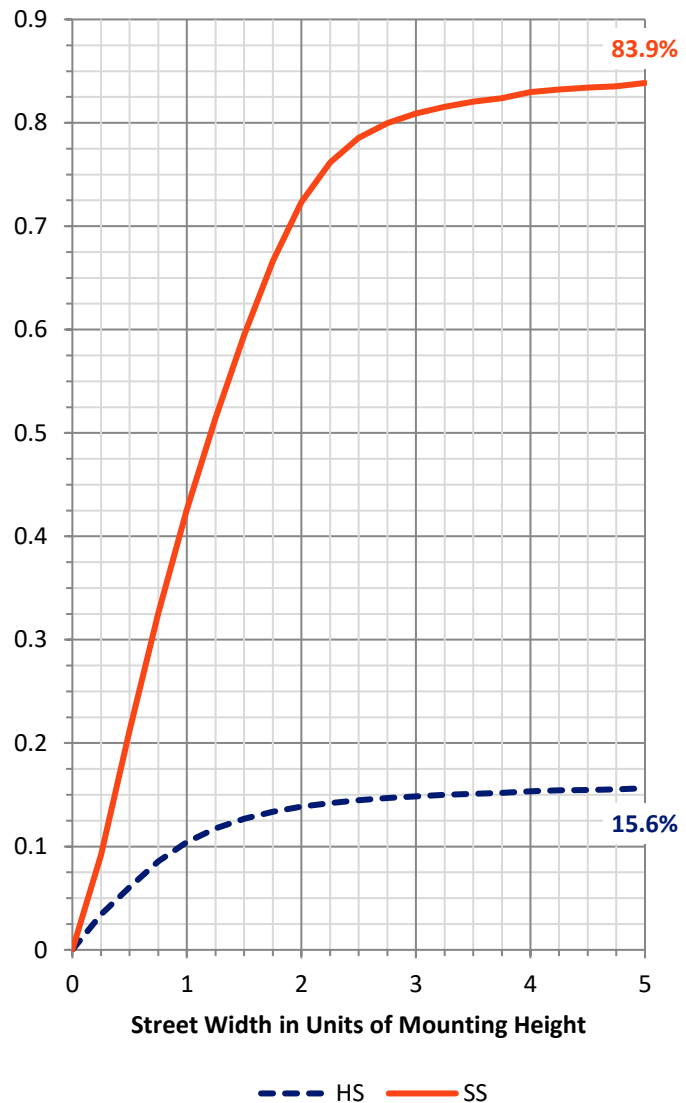
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	683.4	0.0	683.4
	% Fixture	15.9	0.0	15.9
<b>Street Side</b>	Lumens	3618.6	0.0	3618.6
	% Fixture	84.1	0.0	84.1
<b>Total</b>	Lumens	4302.0	0.0	4302.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	41.6	1.0
20°-30°	194.7	4.5
30°-40°	414.7	9.6
40°-50°	603.8	14.0
50°-60°	879.8	20.5
60°-70°	1167.6	27.1
70°-80°	859.7	20.0
80°-90°	139.9	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°	4302.0	100.0
0°-180°	4302.0	100.0

**Coefficient of Utilization**

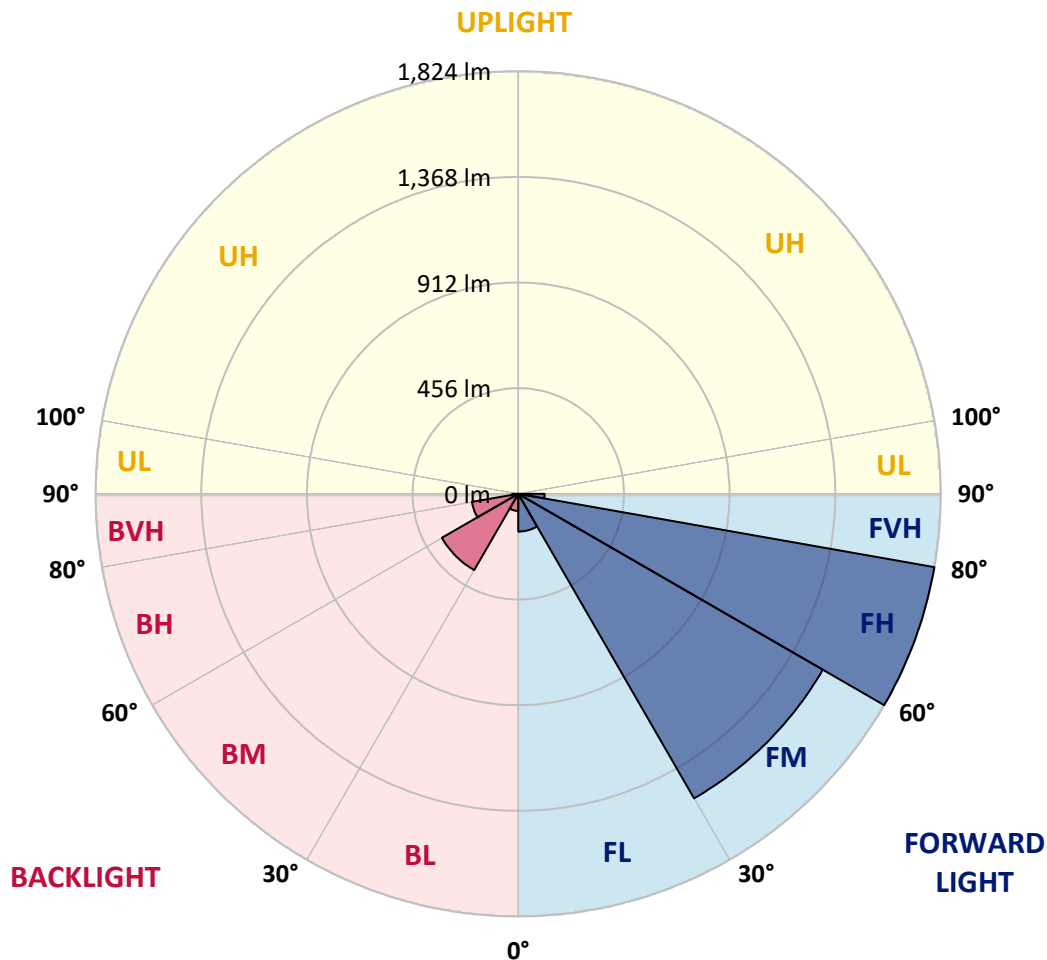


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	162.8	3.8			
FM (30°-60°)	1518.0	35.3			
FH (60°-80°)	1824.2	42.4			G2/5000
FVH (80°-90°)	113.6	2.6			G2/225
BL (0°-30°)	73.7	1.7	B0/110		
BM (30°-60°)	380.3	8.8	B1/1000		
BH (60°-80°)	203.1	4.7	B1/500		G1/500
BVH (80°-90°)	26.3	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-G2**  
 Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
5°	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
7.5°	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
10°	31.0	32.6	26.4	12.4	4.7	1.6	1.6	1.6	3.1	3.1	4.7
12.5°	246.5	249.7	245.0	99.2	46.5	9.3	6.2	10.9	17.1	26.4	103.9
15°	245.0	245.0	249.7	257.4	257.4	54.3	108.5	141.1	196.9	255.9	252.8
17.5°	259.0	257.4	251.2	248.1	265.2	302.4	229.5	276.0	280.7	290.0	283.8
20°	376.8	376.8	376.8	358.2	268.3	372.1	387.7	313.2	316.3	441.9	429.5
22.5°	412.5	410.9	398.5	389.2	404.7	369.0	468.3	538.1	530.3	601.6	564.4
25°	587.7	570.6	541.2	429.5	448.1	432.6	578.4	663.7	600.1	654.4	708.6
27.5°	685.4	673.0	646.6	584.6	477.6	524.1	592.3	697.8	815.6	935.0	840.4
30°	918.0	905.6	775.3	679.2	592.3	539.6	690.0	828.0	959.8	980.0	876.1
32.5°	952.1	953.6	959.8	868.3	696.2	597.0	735.0	855.9	1026.5	1231.2	1088.5
35°	973.8	972.2	972.2	900.9	829.6	705.5	756.7	962.9	1180.0	1305.6	1077.7
37.5°	1038.9	1034.3	1026.5	918.0	877.7	783.1	824.9	990.8	1265.3	1421.9	1066.8
40°	1118.0	1122.7	1102.5	964.5	910.2	842.0	879.2	1003.3	1366.1	1516.5	1062.2
42.5°	1229.6	1223.4	1189.3	1042.0	958.3	868.3	938.1	1035.8	1440.5	1643.7	1071.5
45°	1355.2	1339.7	1291.7	1149.0	1029.6	883.9	976.9	1094.7	1507.2	1787.9	1104.0
47.5°	1485.5	1465.3	1397.1	1235.8	1104.0	913.3	1026.5	1170.7	1583.2	1970.8	1164.5
50°	1609.5	1595.6	1508.8	1327.3	1181.6	967.6	1121.1	1285.5	1687.1	2153.8	1266.9
52.5°	1733.6	1710.3	1603.3	1420.4	1256.0	1035.8	1276.2	1454.5	1826.6	2338.3	1378.5
55°	1866.9	1835.9	1697.9	1511.9	1318.0	1127.3	1426.6	1629.7	1992.5	2560.1	1516.5
57.5°	2088.7	2067.0	1870.0	1648.3	1406.4	1238.9	1589.4	1804.9	2170.9	2763.2	1654.5
60°	2339.9	2301.1	2107.3	1885.6	1590.9	1412.6	1769.3	2000.3	2341.4	2958.6	1808.0
62.5°	2330.6	2291.8	2155.4	2028.2	1828.2	1702.6	2015.8	2201.9	2487.2	3143.1	1944.5
65°	1851.4	1857.6	1853.0	1874.7	1894.9	2110.4	2463.9	2498.1	2716.7	3315.2	2074.7
67.5°	1007.9	998.6	1113.3	1338.2	1649.9	2369.4	3189.6	2975.6	3000.5	3476.5	2164.7
70°	480.7	480.7	547.4	744.3	1183.1	2209.6	3828.5	3580.4	3305.9	3546.3	2153.8
72.5°	342.7	338.0	373.7	423.3	618.7	1742.9	3961.8	3951.0	3474.9	3445.5	2011.2
75°	277.6	280.7	294.6	321.0	293.1	1025.0	3527.7	3726.1	3316.8	3127.6	1778.6
77.5°	224.8	224.8	241.9	254.3	187.6	497.7	2738.4	2995.8	2629.9	2550.8	1307.2
80°	167.5	167.5	176.8	203.1	138.0	210.9	1938.3	2017.4	1735.1	1573.9	642.0
82.5°	102.3	96.1	108.5	142.7	99.2	120.9	1217.2	1097.8	871.4	488.4	190.7
85°	18.6	21.7	31.0	49.6	37.2	45.0	282.2	206.2	173.7	83.7	43.4
87.5°	0.0	0.0	0.0	1.6	3.1	4.7	6.2	7.8	7.8	6.2	4.7
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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6
5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	1.6	1.6	1.6	1.6
7.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	1.6	1.6	1.6
10°	4.7	4.7	3.1	1.6	1.6	0.0	0.0	0.0	1.6	1.6	1.6
12.5°	108.5	111.6	27.9	15.5	4.7	1.6	0.0	1.6	3.1	6.2	7.8
15°	245.0	231.0	178.3	91.5	52.7	6.2	3.1	26.4	71.3	77.5	82.2
17.5°	269.8	251.2	186.1	130.3	102.3	49.6	62.0	99.2	111.6	117.8	117.8
20°	400.1	352.0	227.9	152.0	120.9	131.8	108.5	117.8	130.3	141.1	147.3
22.5°	513.3	429.5	263.6	217.1	164.4	169.0	148.9	170.6	209.3	224.8	226.4
25°	618.7	479.1	277.6	241.9	235.7	192.3	210.9	212.4	231.0	240.3	241.9
27.5°	699.3	504.0	331.8	279.1	260.5	235.7	240.3	237.2	294.6	313.2	316.3
30°	708.6	483.8	347.3	316.3	286.9	272.9	259.0	307.0	330.3	338.0	338.0
32.5°	786.2	499.3	381.5	341.1	314.8	285.3	310.1	325.6	352.0	400.1	401.6
35°	704.0	445.0	395.4	370.6	334.9	310.1	324.1	365.9	417.1	428.0	426.4
37.5°	620.2	404.7	376.8	369.0	347.3	325.6	341.1	381.5	409.4	400.1	400.1
40°	552.0	376.8	362.8	356.6	345.8	317.9	348.9	364.4	395.4	386.1	384.6
42.5°	504.0	356.6	348.9	341.1	333.4	307.0	327.2	361.3	389.2	378.4	375.3
45°	488.4	344.2	339.6	328.7	314.8	291.5	313.2	356.6	383.0	372.1	369.0
47.5°	507.1	333.4	327.2	313.2	294.6	271.4	305.5	348.9	369.0	350.4	348.9
50°	561.3	328.7	314.8	296.2	277.6	265.2	294.6	330.3	347.3	330.3	330.3
52.5°	637.3	330.3	302.4	280.7	259.0	251.2	282.2	317.9	331.8	314.8	313.2
55°	719.5	334.9	286.9	265.2	235.7	240.3	276.0	311.7	316.3	297.7	296.2
57.5°	812.5	339.6	271.4	254.3	223.3	227.9	263.6	299.3	297.7	272.9	272.9
60°	907.1	344.2	255.9	240.3	210.9	212.4	248.1	283.8	274.5	249.7	248.1
62.5°	986.2	339.6	237.2	224.8	198.5	193.8	229.5	265.2	257.4	231.0	231.0
65°	1054.4	321.0	221.7	209.3	186.1	178.3	210.9	241.9	235.7	210.9	212.4
67.5°	1082.3	291.5	206.2	193.8	172.1	161.3	189.2	214.0	212.4	192.3	193.8
70°	1040.5	251.2	189.2	178.3	156.6	142.7	167.5	189.2	189.2	175.2	175.2
72.5°	950.5	221.7	170.6	161.3	138.0	127.2	147.3	164.4	167.5	158.2	159.7
75°	849.7	193.8	148.9	144.2	122.5	108.5	125.6	142.7	145.8	141.1	141.1
77.5°	640.4	150.4	125.6	125.6	107.0	93.0	107.0	122.5	125.6	124.0	122.5
80°	324.1	107.0	100.8	107.0	88.4	77.5	88.4	102.3	107.0	116.3	116.3
82.5°	110.1	69.8	76.0	86.8	71.3	62.0	68.2	83.7	110.1	94.6	93.0
85°	31.0	31.0	40.3	46.5	48.1	41.9	48.1	79.1	63.6	54.3	52.7
87.5°	3.1	4.7	6.2	9.3	7.8	9.3	12.4	15.5	10.9	7.8	6.2
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)