

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: P695310

Luminaire Tested: **LXF.LXT-PA16-50-727-U-SL3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695310
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-PA16-50-727-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 4799 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

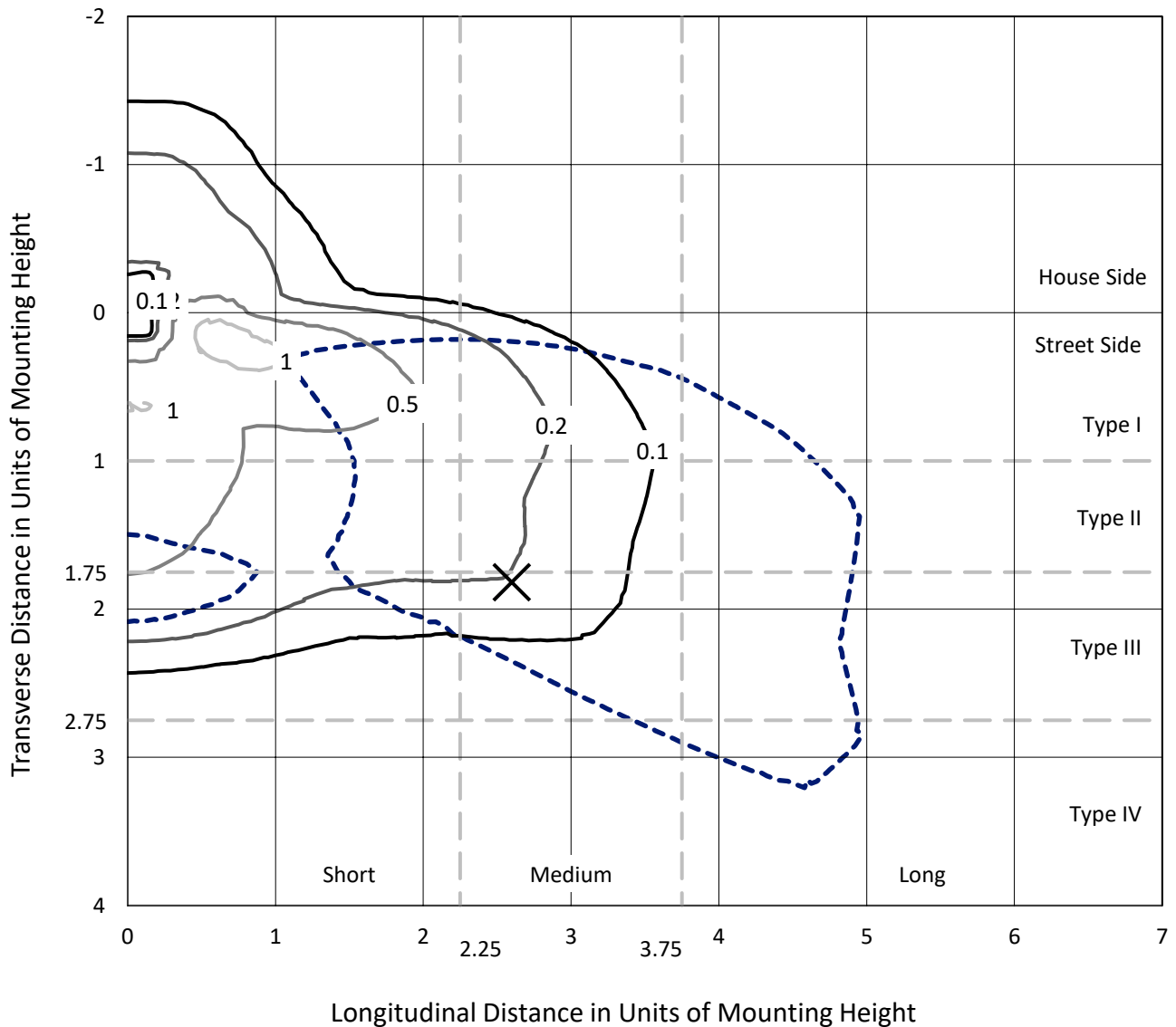
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695310
 CATALOG NUMBER: LXF.LXT-PA16-50-727-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

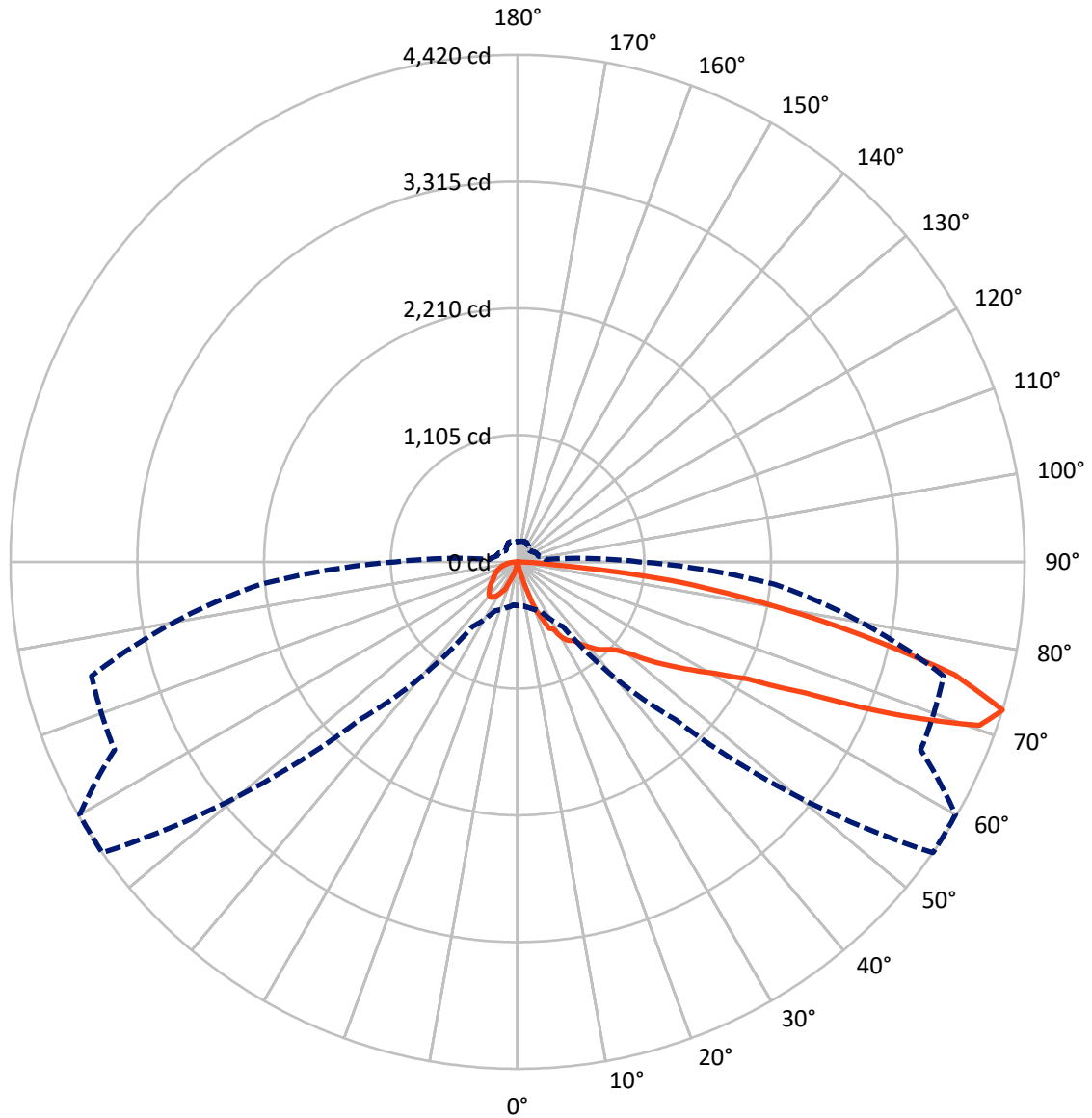
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P695310
CATALOG NUMBER: LXF.LXT-PA16-50-727-U-SL3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P695310
 CATALOG NUMBER: LXF.LXT-PA16-50-727-U-SL3

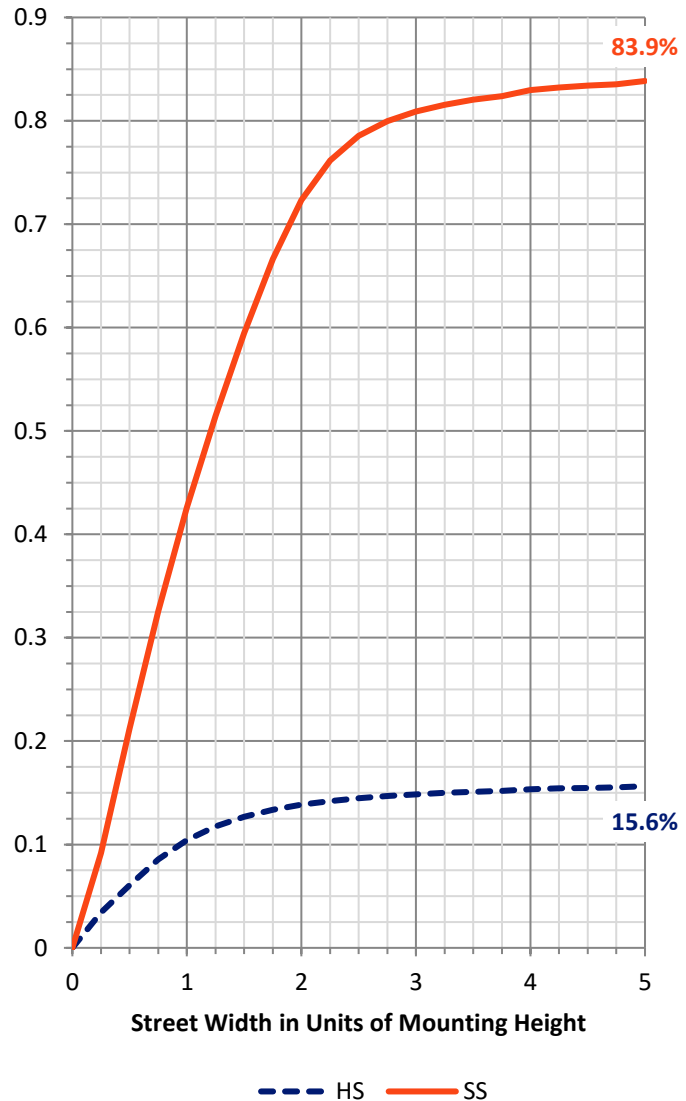
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	762.4	0.0	762.4
	% Fixture	15.9	0.0	15.9
Street Side	Lumens	4036.6	0.0	4036.6
	% Fixture	84.1	0.0	84.1
Total	Lumens	4799.0	0.0	4799.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	46.4	1.0
20°-30°	217.2	4.5
30°-40°	462.6	9.6
40°-50°	673.6	14.0
50°-60°	981.4	20.5
60°-70°	1302.5	27.1
70°-80°	959.0	20.0
80°-90°	156.0	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°	4799.0	100.0
0°-180°	4799.0	100.0

Coefficient of Utilization

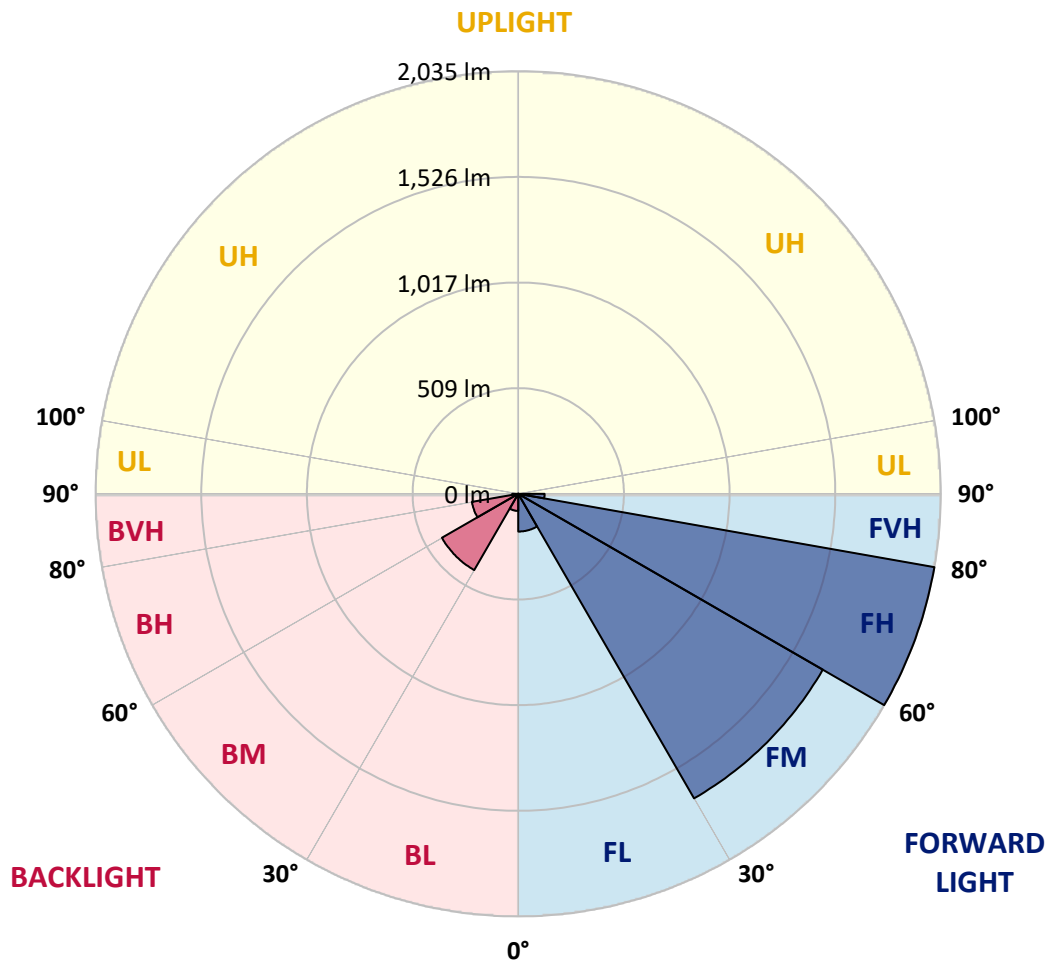


REPORT NUMBER: P695310
 CATALOG NUMBER: LXF.LXT-PA16-50-727-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	181.6	3.8			
FM (30°-60°)	1693.4	35.3			
FH (60°-80°)	2035.0	42.4			G2/5000
FVH (80°-90°)	126.7	2.6			G2/225
BL (0°-30°)	82.2	1.7	B0/110		
BM (30°-60°)	424.2	8.8	B1/1000		
BH (60°-80°)	226.6	4.7	B1/500		G1/500
BVH (80°-90°)	29.4	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



REPORT NUMBER: P695310
 CATALOG NUMBER: LXF.LXT-PA16-50-727-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
5°	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
7.5°	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
10°	34.6	36.3	29.4	13.8	5.2	1.7	1.7	1.7	3.5	3.5	5.2
12.5°	275.0	278.5	273.3	110.7	51.9	10.4	6.9	12.1	19.0	29.4	115.9
15°	273.3	273.3	278.5	287.1	287.1	60.5	121.1	157.4	219.7	285.4	282.0
17.5°	288.9	287.1	280.2	276.8	295.8	337.3	256.0	307.9	313.1	323.5	316.5
20°	420.3	420.3	420.3	399.6	299.2	415.1	432.4	349.4	352.9	493.0	479.1
22.5°	460.1	458.4	444.5	434.2	451.5	411.7	522.4	600.2	591.6	671.1	629.6
25°	655.6	636.6	603.7	479.1	499.9	482.6	645.2	740.3	669.4	730.0	790.5
27.5°	764.6	750.7	721.3	652.1	532.8	584.7	660.8	778.4	909.9	1043.0	937.5
30°	1024.0	1010.2	864.9	757.6	660.8	602.0	769.7	923.7	1070.7	1093.2	977.3
32.5°	1062.1	1063.8	1070.7	968.7	776.7	666.0	819.9	954.8	1145.1	1373.4	1214.3
35°	1086.3	1084.6	1084.6	1005.0	925.4	787.0	844.1	1074.2	1316.3	1456.5	1202.2
37.5°	1158.9	1153.8	1145.1	1024.0	979.0	873.5	920.2	1105.3	1411.5	1586.2	1190.1
40°	1247.2	1252.3	1229.9	1075.9	1015.4	939.3	980.8	1119.2	1523.9	1691.7	1184.9
42.5°	1371.7	1364.8	1326.7	1162.4	1069.0	968.7	1046.5	1155.5	1606.9	1833.5	1195.3
45°	1511.8	1494.5	1440.9	1281.8	1148.6	986.0	1089.7	1221.2	1681.3	1994.4	1231.6
47.5°	1657.1	1634.6	1558.5	1378.6	1231.6	1018.8	1145.1	1306.0	1766.1	2198.5	1299.1
50°	1795.5	1779.9	1683.1	1480.7	1318.1	1079.4	1250.6	1434.0	1882.0	2402.6	1413.2
52.5°	1933.9	1907.9	1788.6	1584.5	1401.1	1155.5	1423.6	1622.5	2037.7	2608.5	1537.8
55°	2082.6	2048.0	1894.1	1686.5	1470.3	1257.5	1591.4	1818.0	2222.7	2855.8	1691.7
57.5°	2330.0	2305.8	2086.1	1838.7	1568.9	1382.1	1773.0	2013.4	2421.7	3082.4	1845.7
60°	2610.2	2567.0	2350.7	2103.4	1774.7	1575.8	1973.7	2231.4	2611.9	3300.4	2016.9
62.5°	2599.8	2556.6	2404.4	2262.5	2039.4	1899.3	2248.7	2456.3	2774.5	3506.2	2169.1
65°	2065.3	2072.3	2067.1	2091.3	2113.8	2354.2	2748.6	2786.6	3030.5	3698.2	2314.4
67.5°	1124.3	1114.0	1242.0	1492.8	1840.5	2643.1	3558.1	3319.4	3347.1	3878.1	2414.7
70°	536.2	536.2	610.6	830.3	1319.8	2464.9	4270.8	3994.0	3687.9	3956.0	2402.6
72.5°	382.3	377.1	416.9	472.2	690.2	1944.3	4419.5	4407.4	3876.4	3843.5	2243.5
75°	309.6	313.1	328.7	358.1	326.9	1143.4	3935.2	4156.6	3700.0	3488.9	1984.0
77.5°	250.8	250.8	269.8	283.7	209.3	555.3	3054.8	3341.9	2933.7	2845.5	1458.2
80°	186.8	186.8	197.2	226.6	153.9	235.2	2162.2	2250.4	1935.6	1755.7	716.1
82.5°	114.2	107.2	121.1	159.1	110.7	134.9	1357.9	1224.7	972.1	544.9	212.8
85°	20.8	24.2	34.6	55.4	41.5	50.2	314.8	230.1	193.7	93.4	48.4
87.5°	0.0	0.0	0.0	1.7	3.5	5.2	6.9	8.6	8.6	6.9	5.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P695310
 CATALOG NUMBER: LXF.LXT-PA16-50-727-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7
5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	1.7	1.7	1.7	1.7
7.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	1.7	1.7	1.7
10°	5.2	5.2	3.5	1.7	1.7	0.0	0.0	0.0	1.7	1.7	1.7
12.5°	121.1	124.5	31.1	17.3	5.2	1.7	0.0	1.7	3.5	6.9	8.6
15°	273.3	257.7	198.9	102.1	58.8	6.9	3.5	29.4	79.6	86.5	91.7
17.5°	301.0	280.2	207.6	145.3	114.2	55.4	69.2	110.7	124.5	131.5	131.5
20°	446.3	392.7	254.3	169.5	134.9	147.0	121.1	131.5	145.3	157.4	164.3
22.5°	572.6	479.1	294.1	242.2	183.4	188.5	166.1	190.3	233.5	250.8	252.5
25°	690.2	534.5	309.6	269.8	262.9	214.5	235.2	237.0	257.7	268.1	269.8
27.5°	780.1	562.2	370.2	311.4	290.6	262.9	268.1	264.7	328.7	349.4	352.9
30°	790.5	539.7	387.5	352.9	320.0	304.4	288.9	342.5	368.4	377.1	377.1
32.5°	877.0	557.0	425.5	380.5	351.1	318.3	346.0	363.2	392.7	446.3	448.0
35°	785.3	496.4	441.1	413.4	373.6	346.0	361.5	408.2	465.3	477.4	475.7
37.5°	691.9	451.5	420.3	411.7	387.5	363.2	380.5	425.5	456.7	446.3	446.3
40°	615.8	420.3	404.8	397.8	385.7	354.6	389.2	406.5	441.1	430.7	429.0
42.5°	562.2	397.8	389.2	380.5	371.9	342.5	365.0	403.0	434.2	422.1	418.6
45°	544.9	384.0	378.8	366.7	351.1	325.2	349.4	397.8	427.3	415.1	411.7
47.5°	565.6	371.9	365.0	349.4	328.7	302.7	340.8	389.2	411.7	390.9	389.2
50°	626.2	366.7	351.1	330.4	309.6	295.8	328.7	368.4	387.5	368.4	368.4
52.5°	710.9	368.4	337.3	313.1	288.9	280.2	314.8	354.6	370.2	351.1	349.4
55°	802.6	373.6	320.0	295.8	262.9	268.1	307.9	347.7	352.9	332.1	330.4
57.5°	906.4	378.8	302.7	283.7	249.1	254.3	294.1	333.8	332.1	304.4	304.4
60°	1011.9	384.0	285.4	268.1	235.2	237.0	276.8	316.5	306.2	278.5	276.8
62.5°	1100.1	378.8	264.7	250.8	221.4	216.2	256.0	295.8	287.1	257.7	257.7
65°	1176.2	358.1	247.4	233.5	207.6	198.9	235.2	269.8	262.9	235.2	237.0
67.5°	1207.4	325.2	230.1	216.2	192.0	179.9	211.0	238.7	237.0	214.5	216.2
70°	1160.7	280.2	211.0	198.9	174.7	159.1	186.8	211.0	211.0	195.5	195.5
72.5°	1060.3	247.4	190.3	179.9	153.9	141.8	164.3	183.4	186.8	176.4	178.2
75°	947.9	216.2	166.1	160.9	136.7	121.1	140.1	159.1	162.6	157.4	157.4
77.5°	714.4	167.8	140.1	140.1	119.4	103.8	119.4	136.7	140.1	138.4	136.7
80°	361.5	119.4	112.4	119.4	98.6	86.5	98.6	114.2	119.4	129.7	129.7
82.5°	122.8	77.8	84.8	96.9	79.6	69.2	76.1	93.4	122.8	105.5	103.8
85°	34.6	34.6	45.0	51.9	53.6	46.7	53.6	88.2	70.9	60.5	58.8
87.5°	3.5	5.2	6.9	10.4	8.6	10.4	13.8	17.3	12.1	8.6	6.9
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)