

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: P415248

Luminaire Tested: **LXF.LXT-PA1-40-827-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415248
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-827-U-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2921 lumens
Efficiency: N/A
Efficacy: 73.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B0 - U0 - G1

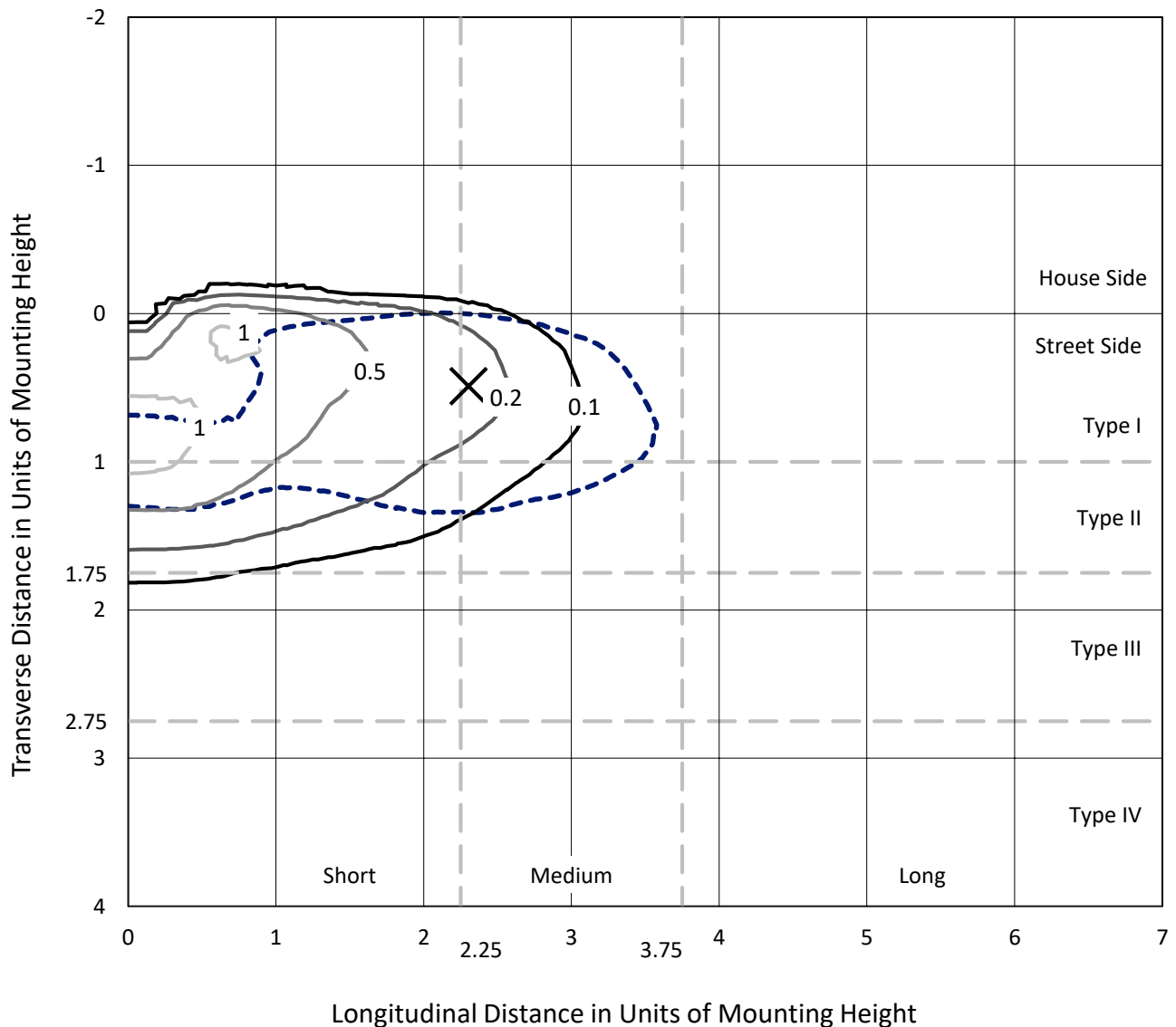
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

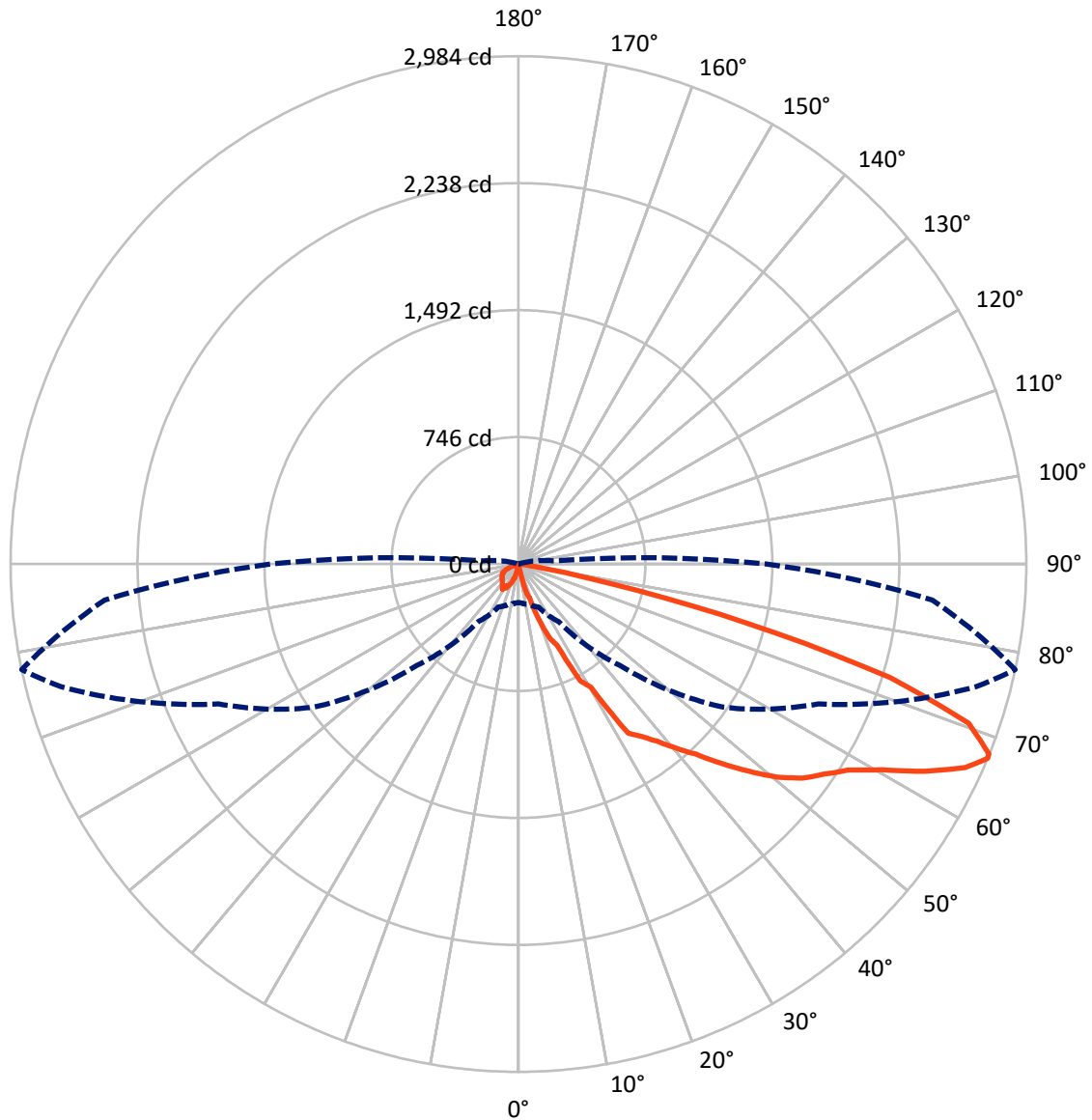
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical



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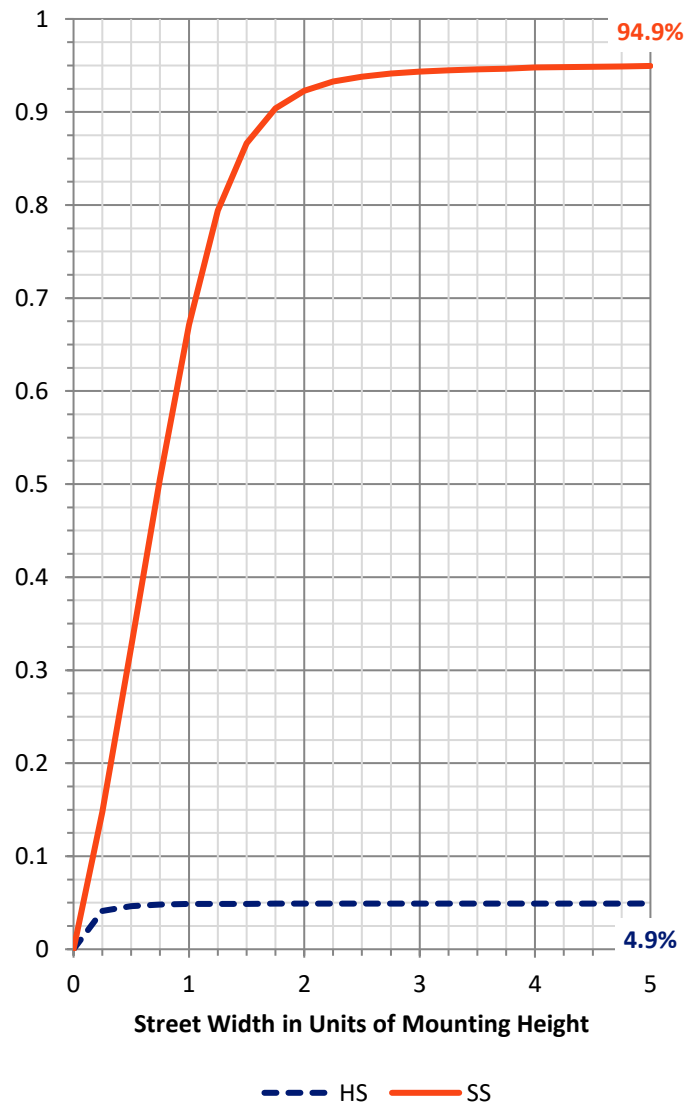
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	144.6	0.0	144.6
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	2776.4	0.0	2776.4
	% Fixture	95.0	0.0	95.0
Total	Lumens	2921.0	0.0	2921.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.1
10°-20°	39.8	1.4
20°-30°	158.6	5.4
30°-40°	403.5	13.8
40°-50°	660.6	22.6
50°-60°	744.9	25.5
60°-70°	642.4	22.0
70°-80°	258.4	8.8
80°-90°	10.1	0.3
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°	2921.0	100.0
0°-180°	2921.0	100.0



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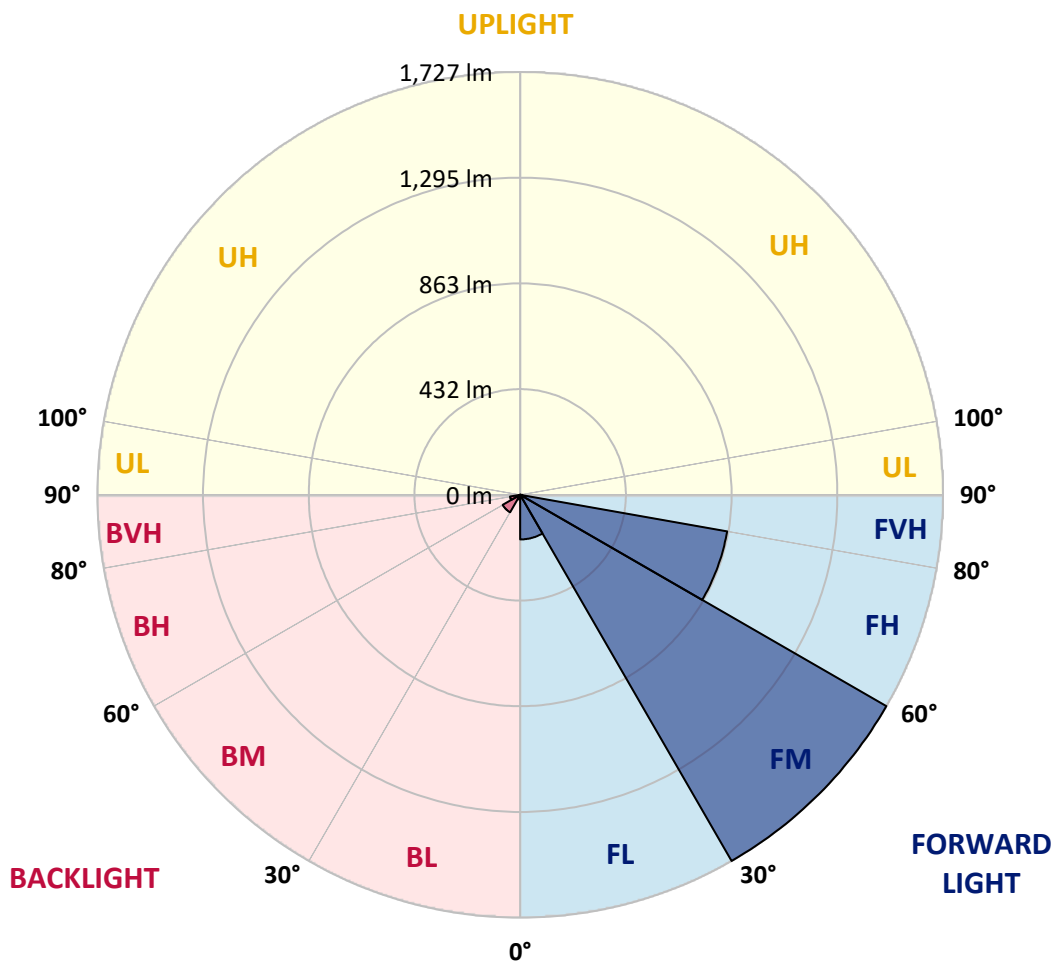
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	182.2	6.2			
FM	(30°-60°)	1726.6	59.1			
FH	(60°-80°)	858.5	29.4			G1/1800
FVH	(80°-90°)	9.1	0.3			G0/10
BL	(0°-30°)	19.0	0.6	B0/110		
BM	(30°-60°)	82.4	2.8	B0/220		
BH	(60°-80°)	42.3	1.4	B0/110		G0/110
BVH	(80°-90°)	1.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	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°	0.4	0.4	0.8	0.8	1.6	1.6	1.2	1.2	1.2	1.2	1.2
5°	122.3	95.8	68.0	19.7	7.6	3.6	1.6	1.2	1.2	1.2	0.8
7.5°	136.4	135.2	133.6	132.8	130.4	126.4	8.9	1.6	1.2	1.2	1.2
10°	146.1	143.7	143.3	142.9	141.2	138.0	132.0	7.6	1.2	1.2	1.2
12.5°	293.3	292.1	287.3	168.2	151.3	148.1	142.9	102.6	8.0	67.6	73.2
15°	289.7	288.9	292.1	298.6	304.6	162.6	232.2	292.9	179.9	172.2	179.5
17.5°	299.8	299.4	294.2	299.4	308.6	360.1	331.6	319.5	199.6	208.4	191.5
20°	449.1	448.3	452.7	425.7	320.3	448.7	416.5	346.1	391.9	360.1	361.8
22.5°	471.6	473.2	472.0	481.3	556.1	463.6	518.3	538.0	544.4	476.8	411.7
25°	692.1	682.1	661.1	511.0	599.6	575.0	658.3	581.5	585.5	527.5	527.5
27.5°	775.4	775.4	758.1	738.4	636.2	738.4	692.9	763.7	833.0	778.2	660.7
30°	1052.3	1044.2	869.6	844.6	791.9	781.5	836.6	896.5	866.0	840.2	743.2
32.5°	1251.1	1251.9	1207.6	1072.4	941.6	871.6	969.0	989.1	1154.5	1184.7	1007.6
35°	1596.3	1576.2	1359.7	1237.0	1108.2	1061.5	1056.7	1158.5	1253.5	1243.0	1092.1
37.5°	1815.6	1801.5	1696.9	1421.3	1256.3	1151.7	1214.4	1219.3	1373.0	1320.3	1193.1
40°	1916.2	1909.8	1821.2	1587.1	1386.3	1274.8	1294.9	1310.6	1492.9	1420.5	1278.0
42.5°	1997.5	1991.5	1911.0	1670.3	1511.0	1392.7	1385.5	1388.3	1589.9	1526.3	1363.7
45°	2036.5	2032.9	1998.3	1744.0	1565.3	1469.2	1484.0	1465.9	1674.4	1670.3	1458.7
47.5°	1998.7	2000.7	2010.4	1809.2	1605.2	1529.5	1579.8	1550.8	1775.0	1817.2	1565.7
50°	1865.5	1864.7	1919.8	1818.8	1628.1	1577.8	1664.3	1630.9	1894.5	1967.7	1662.3
52.5°	1455.5	1509.0	1708.6	1715.0	1622.9	1601.9	1727.9	1723.1	2007.2	2090.0	1758.9
55°	1095.3	1117.1	1306.6	1487.7	1555.3	1599.1	1750.4	1785.0	2090.5	2179.4	1834.5
57.5°	860.7	853.5	957.3	1199.1	1384.6	1551.6	1745.2	1809.2	2171.7	2284.0	1934.3
60°	629.8	636.2	718.7	869.6	1138.8	1443.8	1729.1	1848.2	2300.5	2453.0	2082.8
62.5°	456.7	456.7	513.5	605.6	872.4	1270.8	1694.1	1902.9	2502.1	2682.4	2259.5
65°	307.4	305.4	347.7	394.8	597.6	1051.5	1599.9	1954.0	2695.3	2884.0	2411.2
67°	226.1	230.6	247.9	278.9	413.3	842.2	1465.5	1944.0	2784.2	2983.8	2440.9
67.5°	211.7	213.7	237.4	264.8	381.1	786.7	1427.3	1931.9	2793.8	2981.4	2425.6
70°	153.7	156.9	169.8	177.9	230.6	519.1	1139.2	1742.0	2653.0	2806.7	2205.5
72.5°	82.5	89.3	123.5	122.7	143.3	316.7	774.6	1292.9	2180.6	2284.8	1692.9
75°	64.4	65.2	73.6	90.9	92.6	176.2	372.6	751.3	1379.4	1387.1	940.0
77.5°	47.1	49.1	54.3	57.5	60.4	100.2	130.4	298.6	610.8	533.6	352.1
80°	31.8	33.0	35.8	42.7	49.5	56.7	42.3	79.7	143.7	111.5	52.7
82.5°	13.7	13.3	24.9	35.8	35.4	23.3	21.3	24.9	28.6	26.2	16.1
85°	0.8	1.2	12.9	17.3	14.9	10.1	13.3	10.5	10.9	10.5	8.0
87.5°	0.4	0.4	1.2	1.6	2.0	2.0	2.4	2.4	3.2	3.6	3.2
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°	1.2	1.2	1.2	1.2	1.2	0.4	0.4	0.0	0.0	0.0	0.0
5°	1.2	1.2	1.2	1.2	1.2	0.4	0.0	0.0	0.0	0.0	0.0
7.5°	1.2	1.2	1.2	1.2	1.2	0.4	0.0	4.4	12.1	12.9	12.5
10°	1.2	1.2	1.2	1.2	0.8	10.5	14.5	13.7	13.3	12.9	12.9
12.5°	73.2	62.0	11.3	2.4	10.5	13.3	11.7	11.7	11.3	11.3	11.3
15°	160.2	134.4	63.2	21.3	16.5	11.3	10.5	10.5	17.3	18.9	18.5
17.5°	167.8	135.6	62.0	29.0	23.7	14.5	14.5	18.5	18.1	17.3	17.3
20°	319.1	209.2	71.6	28.6	21.7	22.9	17.3	16.1	15.3	14.5	14.5
22.5°	341.2	245.9	76.9	36.2	23.3	22.9	17.7	14.9	18.9	18.5	18.5
25°	440.6	297.0	69.6	33.8	30.2	20.9	18.9	16.5	16.1	15.3	15.3
27.5°	546.1	351.3	76.9	35.0	27.4	20.5	17.7	14.5	15.3	16.9	16.9
30°	598.8	351.7	60.8	35.8	26.2	20.9	15.7	16.1	15.3	14.9	14.5
32.5°	803.6	451.5	58.3	34.2	24.5	18.1	16.1	14.1	12.9	14.1	14.1
35°	839.8	435.8	50.7	34.6	22.1	16.5	13.7	12.9	12.9	12.5	12.5
37.5°	879.6	418.9	44.7	30.6	21.3	14.9	11.7	11.7	11.3	12.1	12.1
40°	923.5	401.2	39.8	26.6	18.1	12.5	10.5	10.1	10.5	10.5	10.1
42.5°	974.6	383.9	35.8	23.3	15.3	10.5	8.5	8.5	8.5	8.0	8.0
45°	1029.3	370.2	33.0	20.1	12.9	8.9	6.8	6.4	6.0	6.0	6.0
47.5°	1094.1	364.6	30.6	16.9	10.9	6.8	5.2	4.8	4.4	4.0	4.0
50°	1148.4	362.2	27.0	14.1	9.3	5.6	3.6	3.2	2.8	2.4	2.4
52.5°	1196.3	351.7	23.3	11.3	7.2	4.0	2.4	1.6	1.2	1.2	1.2
55°	1243.8	342.0	20.1	9.7	5.2	2.4	1.2	0.4	0.4	0.8	0.8
57.5°	1302.6	331.2	17.3	8.0	4.0	1.6	0.8	0.0	0.4	0.4	0.8
60°	1394.7	319.9	15.3	6.8	2.8	1.2	0.4	0.0	0.0	0.4	0.4
62.5°	1477.2	300.2	13.3	6.0	2.4	1.2	0.4	0.0	0.0	0.0	0.4
65°	1513.0	259.5	11.7	5.2	2.4	1.2	0.4	0.0	0.0	0.0	0.0
67°	1453.1	210.1	10.5	4.8	2.0	0.8	0.4	0.0	0.0	0.0	0.0
67.5°	1424.9	196.0	10.5	4.4	2.0	0.8	0.4	0.4	0.0	0.0	0.0
70°	1209.6	130.0	9.3	4.0	2.0	0.8	0.8	0.4	0.0	0.0	0.0
72.5°	928.3	75.7	8.0	3.6	2.0	0.8	0.8	0.4	0.4	0.0	0.0
75°	519.1	38.2	6.4	3.6	2.0	1.2	1.2	0.8	0.8	0.8	0.0
77.5°	166.2	20.9	4.8	3.2	2.0	1.2	1.2	0.8	1.2	1.2	0.4
80°	26.2	10.9	3.6	2.4	2.0	0.8	1.2	1.2	1.6	1.6	0.4
82.5°	9.7	6.0	2.8	2.4	2.0	0.8	1.2	1.2	1.6	2.0	0.0
85°	4.4	3.6	2.8	2.4	2.0	0.8	1.2	1.2	1.6	2.0	0.0
87.5°	2.0	2.8	2.4	2.4	2.0	0.8	1.2	1.2	1.6	1.6	0.0
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)