

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: P414988

Luminaire Tested: **LXF.LXT-PA1-40-727-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414988
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-PA1-40-727-U-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 3324 lumens
Efficiency: N/A
Efficacy: 83.1 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

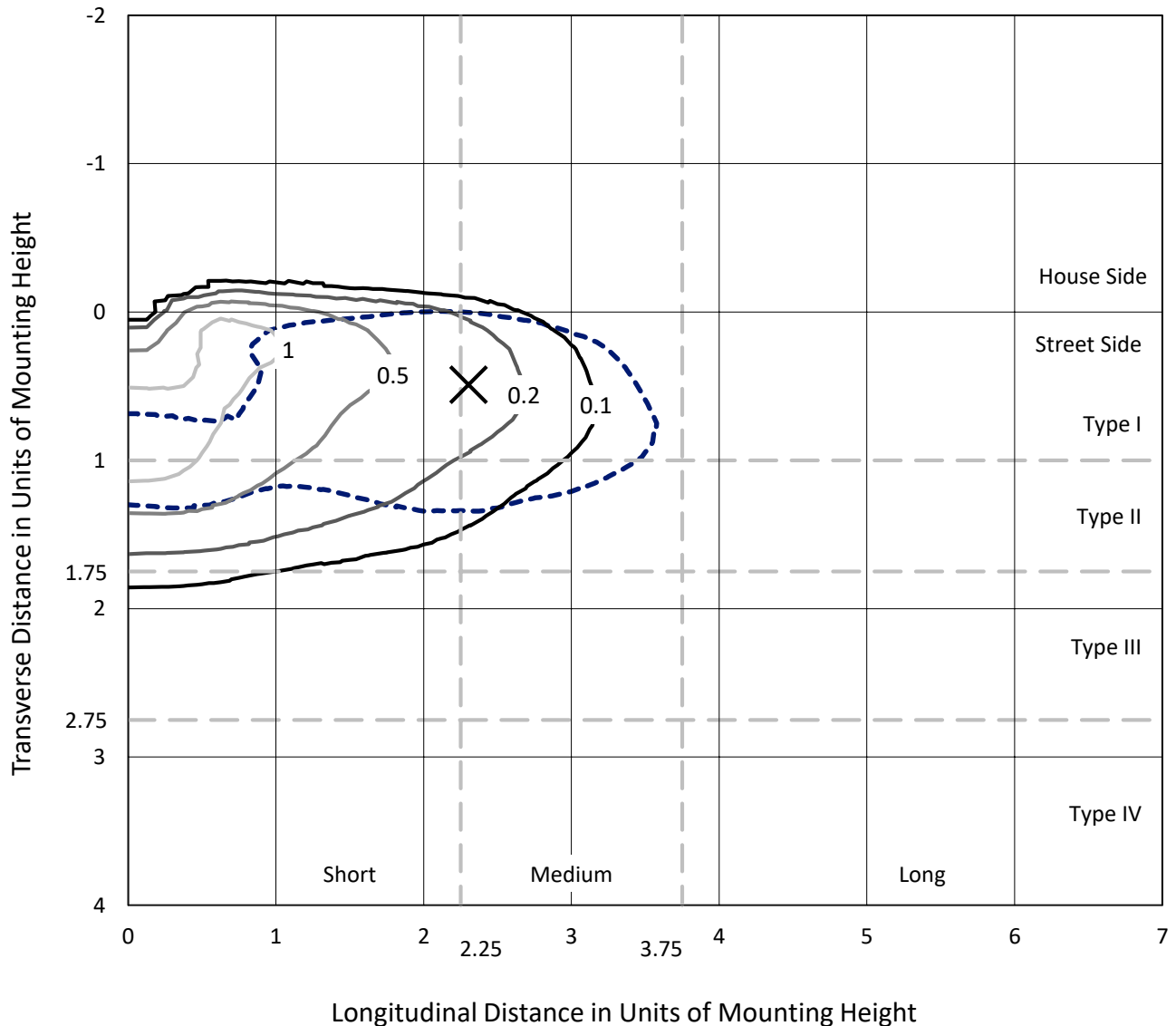
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

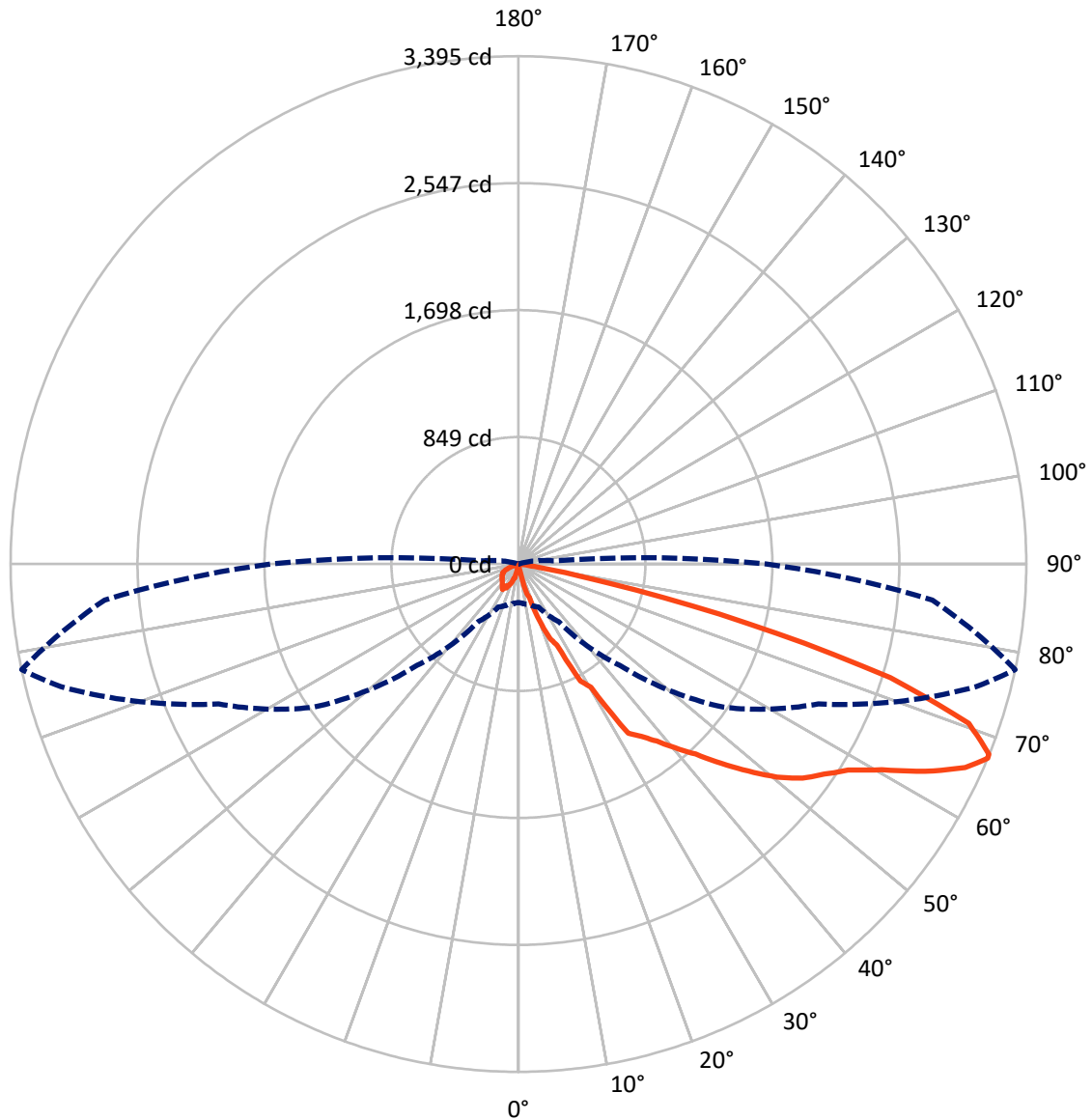
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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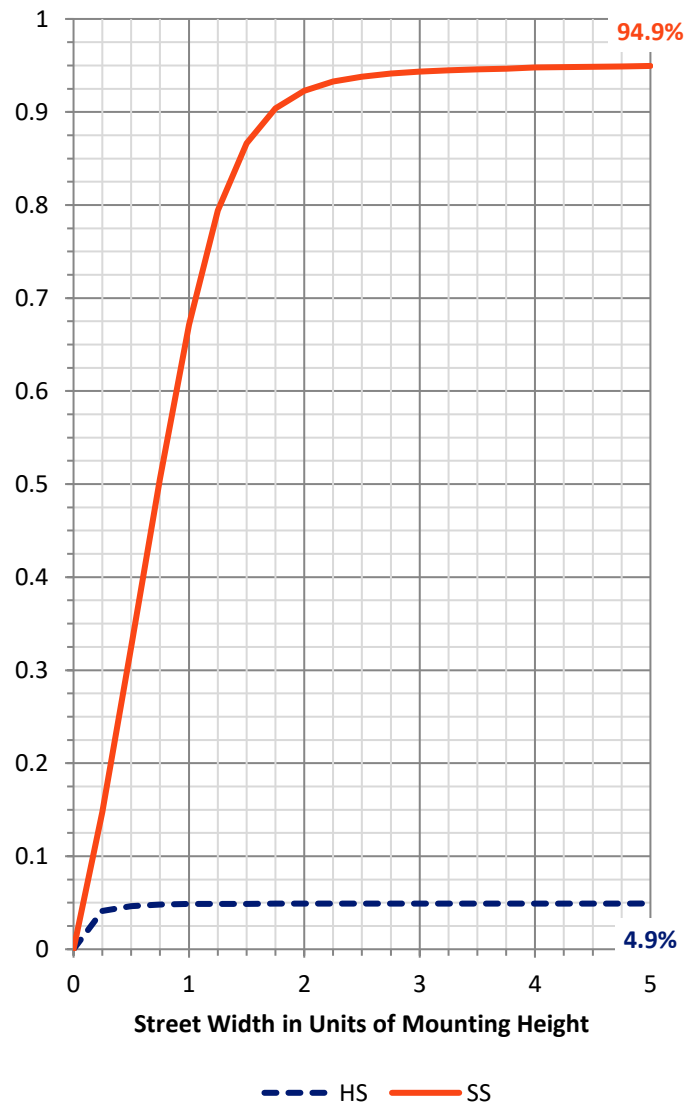
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	164.6	0.0	164.6
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	3159.4	0.0	3159.4
	% Fixture	95.0	0.0	95.0
Total	Lumens	3324.0	0.0	3324.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.1
10°-20°	45.3	1.4
20°-30°	180.5	5.4
30°-40°	459.1	13.8
40°-50°	751.7	22.6
50°-60°	847.7	25.5
60°-70°	731.0	22.0
70°-80°	294.1	8.8
80°-90°	11.5	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°	3324.0	100.0
0°-180°	3324.0	100.0

Coefficient of Utilization



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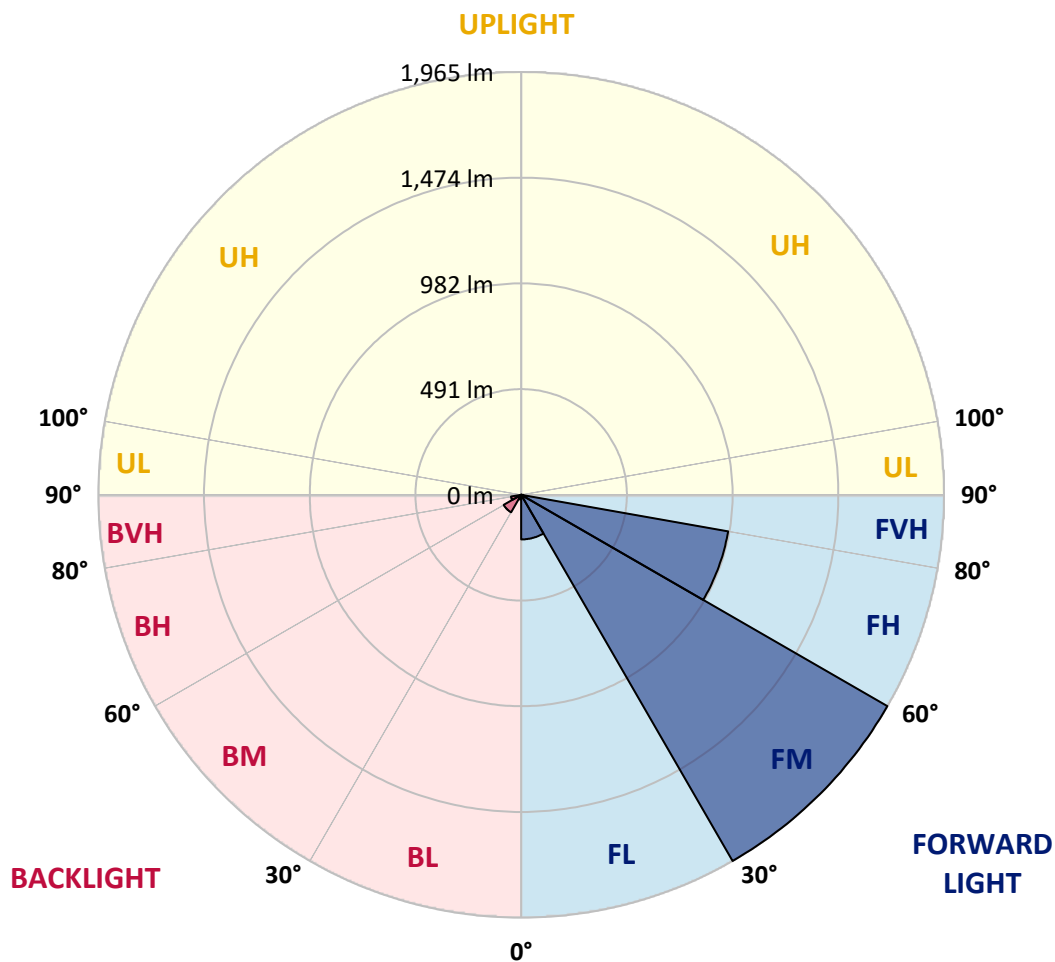
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	207.3	6.2			
FM	(30°-60°)	1964.8	59.1			
FH	(60°-80°)	976.9	29.4			G1/1800
FVH	(80°-90°)	10.4	0.3			G1/100
BL	(0°-30°)	21.6	0.6	B0/110		
BM	(30°-60°)	93.7	2.8	B0/220		
BH	(60°-80°)	48.1	1.4	B0/110		G0/110
BVH	(80°-90°)	1.2	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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	0.5	0.5	0.9	0.9	1.8	1.8	1.4	1.4	1.4	1.4	1.4
5°	139.2	109.0	77.4	22.4	8.7	4.1	1.8	1.4	1.4	1.4	0.9
7.5°	155.2	153.9	152.0	151.1	148.4	143.8	10.1	1.8	1.4	1.4	1.4
10°	166.2	163.5	163.0	162.6	160.7	157.1	150.2	8.7	1.4	1.4	1.4
12.5°	333.8	332.4	327.0	191.4	172.2	168.5	162.6	116.8	9.2	76.9	83.3
15°	329.7	328.8	332.4	339.8	346.6	185.0	264.2	333.4	204.7	196.0	204.2
17.5°	341.1	340.7	334.7	340.7	351.2	409.8	377.3	363.6	227.1	237.2	218.0
20°	511.0	510.1	515.2	484.5	364.5	510.6	473.9	393.8	446.0	409.8	411.7
22.5°	536.7	538.5	537.1	547.7	632.8	527.5	589.8	612.2	619.6	542.6	468.4
25°	787.6	776.2	752.4	581.6	682.3	654.4	749.1	661.7	666.3	600.3	600.3
27.5°	882.4	882.4	862.7	840.3	724.0	840.3	788.5	869.1	947.9	885.6	751.9
30°	1197.4	1188.3	989.6	961.2	901.2	889.3	952.0	1020.2	985.4	956.1	845.8
32.5°	1423.7	1424.6	1374.2	1220.3	1071.5	991.8	1102.7	1125.6	1313.8	1348.1	1146.6
35°	1816.5	1793.6	1547.3	1407.6	1261.1	1208.0	1202.5	1318.3	1426.4	1414.5	1242.8
37.5°	2066.1	2050.1	1931.0	1617.4	1429.6	1310.6	1382.0	1387.5	1562.4	1502.4	1357.7
40°	2180.6	2173.3	2072.5	1806.0	1577.5	1450.7	1473.6	1491.4	1698.9	1616.4	1454.3
42.5°	2273.1	2266.2	2174.6	1900.8	1719.5	1584.8	1576.6	1579.8	1809.2	1736.9	1551.9
45°	2317.5	2313.4	2274.0	1984.6	1781.3	1671.8	1688.8	1668.2	1905.4	1900.8	1659.9
47.5°	2274.5	2276.7	2287.7	2058.8	1826.6	1740.5	1797.8	1764.8	2019.9	2067.9	1781.7
50°	2122.9	2122.0	2184.7	2069.8	1852.7	1795.5	1893.9	1855.9	2155.9	2239.2	1891.6
52.5°	1656.3	1717.2	1944.3	1951.6	1846.8	1823.0	1966.3	1960.8	2284.1	2378.4	2001.5
55°	1246.4	1271.2	1486.8	1692.9	1769.8	1819.8	1991.9	2031.3	2378.9	2480.1	2087.6
57.5°	979.5	971.2	1089.4	1364.6	1575.7	1765.7	1986.0	2058.8	2471.4	2599.1	2201.2
60°	716.6	724.0	817.8	989.6	1295.9	1643.0	1967.7	2103.2	2617.9	2791.4	2370.2
62.5°	519.7	519.7	584.3	689.2	992.8	1446.1	1927.8	2165.5	2847.3	3052.5	2571.2
65°	349.8	347.6	395.6	449.2	680.0	1196.5	1820.7	2223.6	3067.1	3281.9	2743.8
67°	257.3	262.4	282.1	317.3	470.3	958.4	1667.7	2212.2	3168.3	3395.4	2777.7
67.5°	240.9	243.2	270.2	301.3	433.6	895.2	1624.2	2198.4	3179.3	3392.7	2760.3
70°	174.9	178.6	193.2	202.4	262.4	590.7	1296.4	1982.3	3019.0	3194.0	2509.8
72.5°	93.9	101.7	140.6	139.7	163.0	360.4	881.5	1471.3	2481.4	2600.0	1926.4
75°	73.3	74.2	83.8	103.5	105.3	200.6	424.0	854.9	1569.7	1578.4	1069.7
77.5°	53.6	55.9	61.8	65.5	68.7	114.0	148.4	339.8	695.1	607.2	400.7
80°	36.2	37.5	40.8	48.5	56.3	64.6	48.1	90.7	163.5	126.8	60.0
82.5°	15.6	15.1	28.4	40.8	40.3	26.6	24.3	28.4	32.5	29.8	18.3
85°	0.9	1.4	14.7	19.7	16.9	11.4	15.1	11.9	12.4	11.9	9.2
87.5°	0.5	0.5	1.4	1.8	2.3	2.3	2.7	2.7	3.7	4.1	3.7
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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	1.4	1.4	1.4	1.4	1.4	0.5	0.5	0.0	0.0	0.0	0.0
5°	1.4	1.4	1.4	1.4	1.4	0.5	0.0	0.0	0.0	0.0	0.0
7.5°	1.4	1.4	1.4	1.4	1.4	0.5	0.0	5.0	13.7	14.7	14.2
10°	1.4	1.4	1.4	1.4	0.9	11.9	16.5	15.6	15.1	14.7	14.7
12.5°	83.3	70.5	12.8	2.7	11.9	15.1	13.3	13.3	12.8	12.8	12.8
15°	182.2	152.9	71.9	24.3	18.8	12.8	11.9	11.9	19.7	21.5	21.1
17.5°	191.0	154.3	70.5	33.0	27.0	16.5	16.5	21.1	20.6	19.7	19.7
20°	363.1	238.1	81.5	32.5	24.7	26.1	19.7	18.3	17.4	16.5	16.5
22.5°	388.3	279.8	87.5	41.2	26.6	26.1	20.1	16.9	21.5	21.1	21.1
25°	501.4	337.9	79.2	38.5	34.3	23.8	21.5	18.8	18.3	17.4	17.4
27.5°	621.4	399.8	87.5	39.8	31.1	23.4	20.1	16.5	17.4	19.2	19.2
30°	681.4	400.2	69.1	40.8	29.8	23.8	17.9	18.3	17.4	16.9	16.5
32.5°	914.5	513.8	66.4	38.9	27.9	20.6	18.3	16.0	14.7	16.0	16.0
35°	955.7	495.9	57.7	39.4	25.2	18.8	15.6	14.7	14.7	14.2	14.2
37.5°	1001.0	476.7	50.8	34.8	24.3	16.9	13.3	13.3	12.8	13.7	13.7
40°	1050.9	456.5	45.3	30.2	20.6	14.2	11.9	11.4	11.9	11.9	11.4
42.5°	1109.1	436.9	40.8	26.6	17.4	11.9	9.6	9.6	9.6	9.2	9.2
45°	1171.3	421.3	37.5	22.9	14.7	10.1	7.8	7.3	6.9	6.9	6.9
47.5°	1245.1	414.9	34.8	19.2	12.4	7.8	6.0	5.5	5.0	4.6	4.6
50°	1306.9	412.1	30.7	16.0	10.5	6.4	4.1	3.7	3.2	2.7	2.7
52.5°	1361.4	400.2	26.6	12.8	8.2	4.6	2.7	1.8	1.4	1.4	1.4
55°	1415.4	389.2	22.9	11.0	6.0	2.7	1.4	0.5	0.5	0.9	0.9
57.5°	1482.3	376.9	19.7	9.2	4.6	1.8	0.9	0.0	0.5	0.5	0.9
60°	1587.1	364.0	17.4	7.8	3.2	1.4	0.5	0.0	0.0	0.5	0.5
62.5°	1681.0	341.6	15.1	6.9	2.7	1.4	0.5	0.0	0.0	0.0	0.5
65°	1721.8	295.4	13.3	6.0	2.7	1.4	0.5	0.0	0.0	0.0	0.0
67°	1653.5	239.0	11.9	5.5	2.3	0.9	0.5	0.0	0.0	0.0	0.0
67.5°	1621.5	223.0	11.9	5.0	2.3	0.9	0.5	0.5	0.0	0.0	0.0
70°	1376.5	147.9	10.5	4.6	2.3	0.9	0.9	0.5	0.0	0.0	0.0
72.5°	1056.4	86.1	9.2	4.1	2.3	0.9	0.9	0.5	0.5	0.0	0.0
75°	590.7	43.5	7.3	4.1	2.3	1.4	1.4	0.9	0.9	0.9	0.0
77.5°	189.1	23.8	5.5	3.7	2.3	1.4	1.4	0.9	1.4	1.4	0.5
80°	29.8	12.4	4.1	2.7	2.3	0.9	1.4	1.4	1.8	1.8	0.5
82.5°	11.0	6.9	3.2	2.7	2.3	0.9	1.4	1.4	1.8	2.3	0.0
85°	5.0	4.1	3.2	2.7	2.3	0.9	1.4	1.4	1.8	2.3	0.0
87.5°	2.3	3.2	2.7	2.7	2.3	0.9	1.4	1.4	1.8	1.8	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)