

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: P415682

Luminaire Tested: **LXF.LXT-PA1-50-827-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415682
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-26)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-827-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3653 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 54
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: 28.75 FT

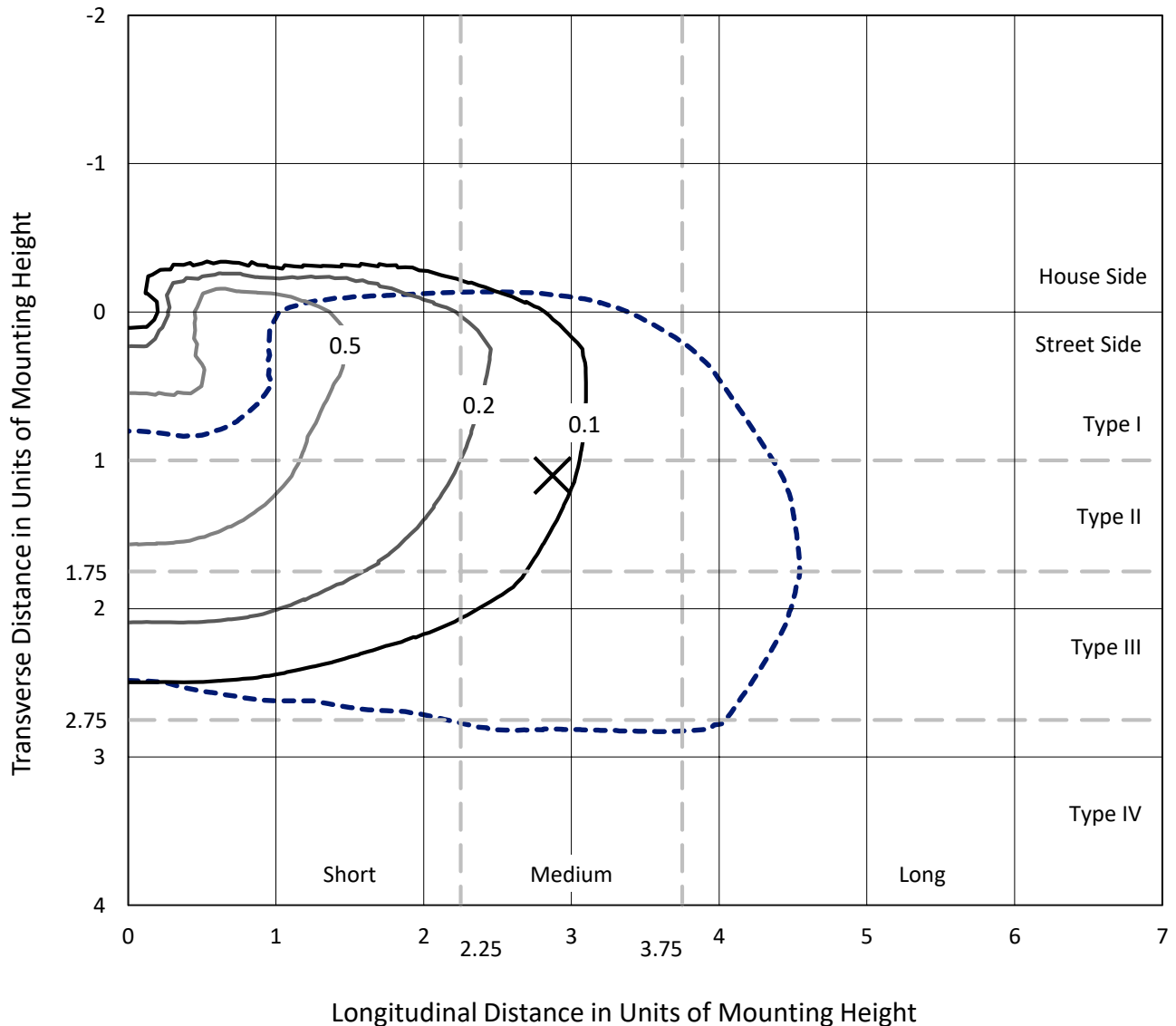


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

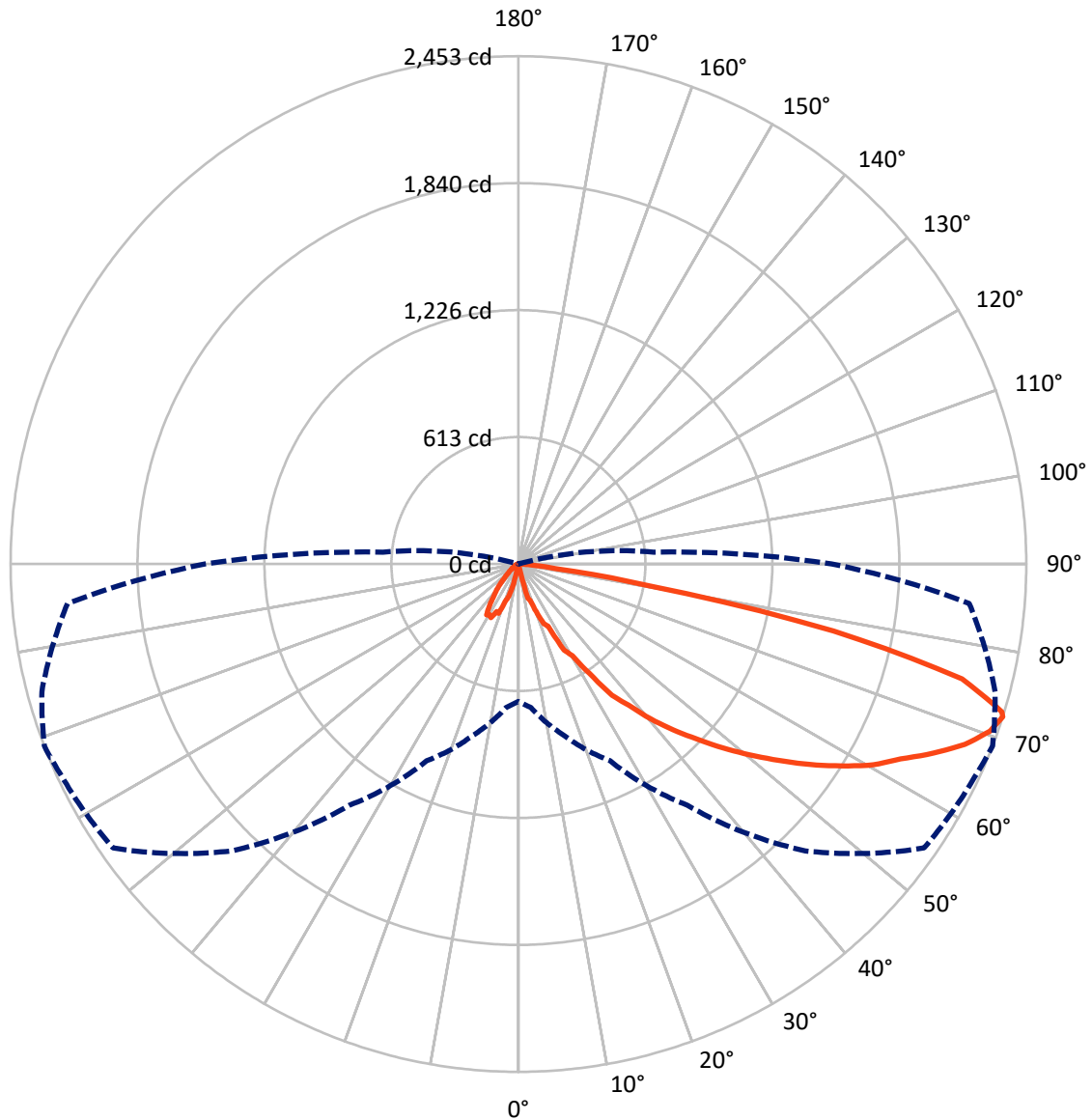


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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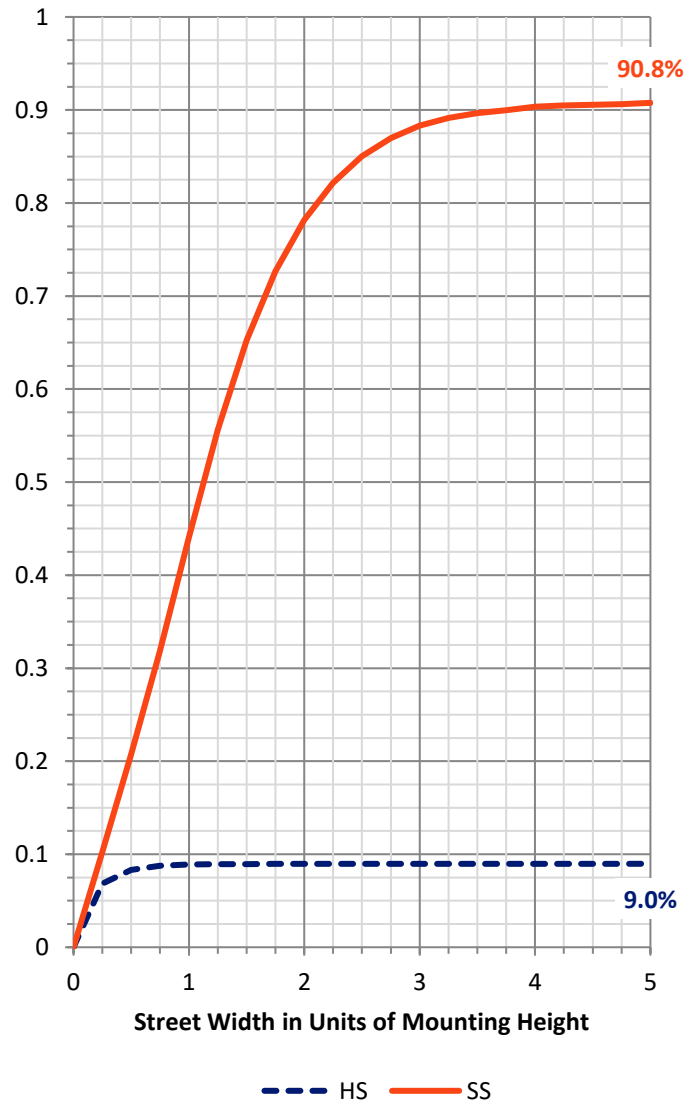
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	331.3	0.0	331.3
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	3321.7	0.0	3321.7
	% Fixture	90.9	0.0	90.9
Total	Lumens	3653.0	0.0	3653.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.1
10°-20°	31.7	0.9
20°-30°	113.8	3.1
30°-40°	290.6	8.0
40°-50°	575.0	15.7
50°-60°	906.1	24.8
60°-70°	1054.0	28.9
70°-80°	639.8	17.5
80°-90°	39.6	1.1
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°	3653.0	100.0
0°-180°	3653.0	100.0



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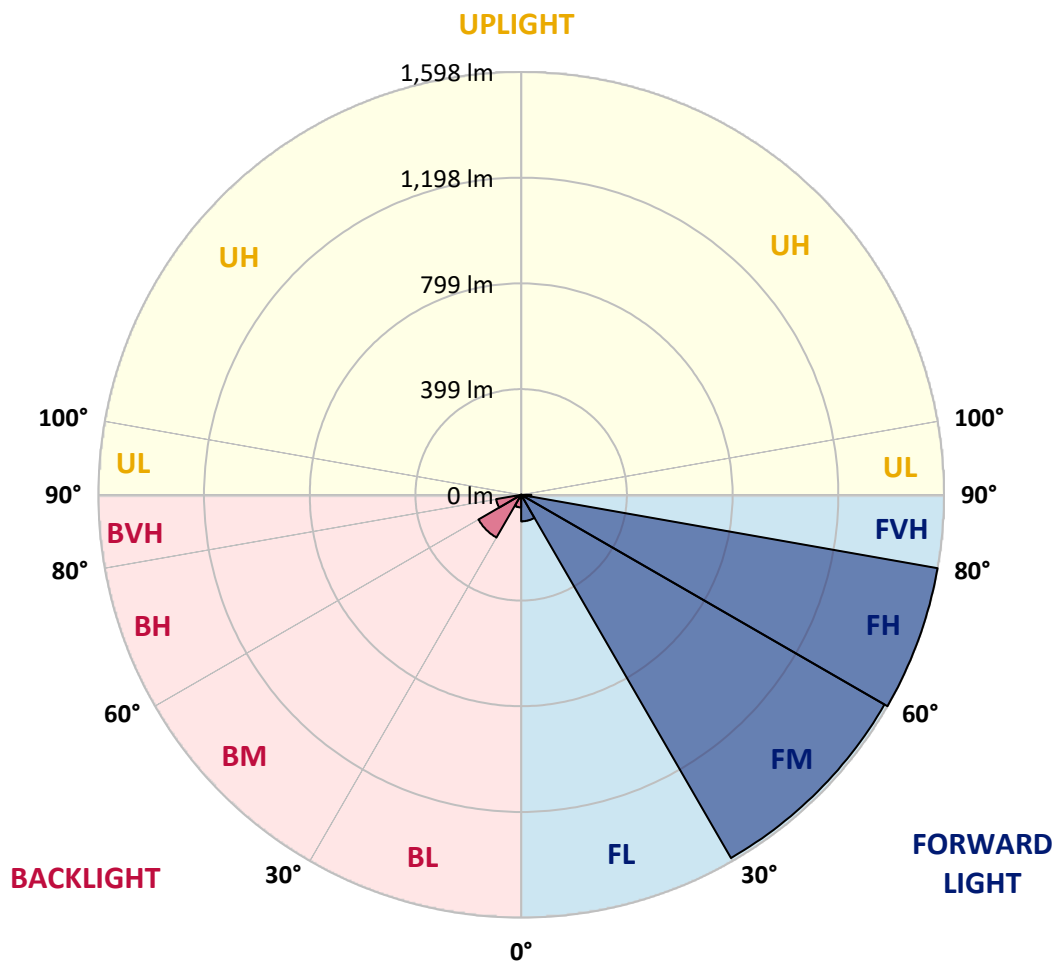
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	100.3	2.7			
FM	(30°-60°)	1585.3	43.4			
FH	(60°-80°)	1597.9	43.7			G1/1800
FVH	(80°-90°)	38.2	1.0			G1/100
BL	(0°-30°)	47.6	1.3	B0/110		
BM	(30°-60°)	186.5	5.1	B0/220		
BH	(60°-80°)	95.8	2.6	B0/110		G0/110
BVH	(80°-90°)	1.4	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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	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°	0.5	0.5	0.5	0.5	1.0	1.0	1.6	1.6	1.6	1.6	1.6
5°	50.9	33.2	24.9	20.8	10.4	2.6	1.6	1.6	1.6	1.6	1.6
7.5°	78.4	78.4	78.9	79.4	81.0	68.0	14.5	1.6	1.6	1.6	1.6
10°	75.8	75.3	75.3	76.3	78.4	80.5	82.5	10.9	2.6	1.6	1.6
12.5°	147.9	146.4	136.0	95.0	77.9	78.9	83.1	63.3	17.6	10.4	59.7
15°	146.4	145.9	146.9	149.5	150.5	84.1	123.0	167.2	170.8	115.2	139.6
17.5°	159.9	155.2	147.9	149.0	153.7	180.6	173.9	181.2	184.8	129.3	151.1
20°	221.1	220.6	221.7	173.9	162.5	228.9	201.4	196.7	244.5	255.9	284.0
22.5°	225.8	224.8	226.3	231.5	260.1	239.3	291.7	298.5	312.5	345.7	324.4
25°	316.1	316.1	259.6	241.9	296.4	270.5	361.3	339.5	332.2	371.2	417.4
27.5°	381.5	377.4	363.9	337.9	308.3	382.6	384.7	464.1	470.8	518.1	526.9
30°	483.3	477.6	441.8	421.5	382.6	402.3	449.0	551.8	514.4	552.3	590.7
32.5°	715.3	707.0	661.9	531.0	482.2	436.0	538.3	592.3	629.2	731.9	774.0
35°	926.6	872.6	810.8	711.2	584.5	566.9	580.9	734.5	778.1	809.8	852.4
37.5°	1139.4	1140.5	1078.7	836.8	738.7	654.6	700.3	820.7	864.8	911.5	950.0
40°	1310.2	1284.3	1201.7	1024.2	871.6	787.5	793.2	904.8	983.2	1041.8	1049.6
42.5°	1528.2	1517.3	1395.9	1195.5	1043.4	961.4	936.5	991.5	1095.3	1134.2	1158.1
45°	1736.9	1720.8	1617.5	1390.7	1227.2	1135.3	1101.0	1101.5	1203.8	1245.3	1279.6
47.5°	1893.2	1867.2	1811.7	1570.3	1458.2	1325.3	1254.2	1227.2	1326.8	1380.8	1400.0
50°	2056.7	2014.1	1970.0	1773.3	1657.5	1542.3	1406.3	1376.1	1448.3	1508.5	1524.1
52.5°	2166.2	2104.4	2073.8	1918.1	1836.1	1762.9	1558.4	1524.6	1576.0	1647.1	1634.7
55°	2110.7	2091.5	2124.7	2043.2	1963.8	1882.8	1723.9	1696.4	1709.9	1769.6	1740.0
57.5°	1994.9	2000.6	2098.7	2114.3	2078.5	2002.2	1872.4	1867.7	1840.2	1889.0	1850.6
60°	1874.0	1895.2	2031.8	2109.6	2135.6	2110.2	2029.2	1994.9	1970.5	2004.8	1974.7
62.5°	1712.0	1716.2	1899.4	2068.1	2113.8	2194.3	2138.7	2122.1	2071.7	2122.6	2110.2
65°	1508.5	1513.7	1686.1	1925.4	2048.4	2210.3	2224.4	2242.0	2203.1	2217.1	2256.5
67.5°	1281.1	1291.0	1441.6	1672.6	1907.7	2178.7	2295.5	2329.2	2326.1	2322.0	2360.9
70°	1037.2	1043.9	1166.4	1368.9	1680.3	2091.5	2361.4	2404.5	2416.4	2387.4	2359.8
72°	663.4	696.1	858.1	1049.1	1422.3	1959.1	2391.0	2432.0	2452.8	2383.2	2185.9
72.5°	521.2	547.1	792.7	961.4	1334.1	1928.5	2385.3	2422.7	2441.9	2360.4	2112.2
75°	112.1	115.2	248.1	467.2	841.5	1477.4	2187.5	2192.2	2212.9	2056.7	1446.2
77.5°	48.3	48.8	69.0	154.2	302.1	755.3	1514.2	1557.3	1555.8	1331.0	699.2
80°	33.7	34.8	41.0	70.6	143.8	218.5	739.7	744.4	640.6	476.0	174.4
82.5°	17.6	18.7	29.1	42.0	97.6	79.9	239.3	241.4	178.1	112.1	40.5
85°	3.1	4.7	14.0	25.4	37.9	32.2	52.4	65.9	57.1	44.6	17.1
87.5°	0.5	0.5	3.6	3.6	5.2	3.1	5.2	5.7	6.2	9.3	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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.6	1.6	1.6	1.6	1.0	0.5	0.0	0.0	0.0	0.0	0.0
5°	1.6	1.6	1.6	1.6	1.0	0.5	0.0	0.0	0.0	0.0	0.0
7.5°	1.6	1.6	1.6	1.6	1.0	0.5	0.0	47.8	64.4	68.5	73.2
10°	1.6	2.1	1.6	1.6	1.0	65.4	80.5	81.5	82.5	82.5	82.0
12.5°	65.9	67.5	23.9	4.7	60.7	83.1	78.9	72.2	65.9	63.8	63.3
15°	141.2	141.7	128.2	110.6	117.8	78.4	61.8	70.1	71.1	68.5	68.5
17.5°	152.1	152.1	145.3	177.5	149.0	78.4	64.9	53.5	45.7	43.6	43.1
20°	301.1	263.7	213.4	180.1	121.5	87.7	45.7	38.9	37.9	37.9	39.5
22.5°	325.0	320.3	277.7	242.9	104.3	61.8	44.6	44.6	52.9	51.9	51.4
25°	424.1	417.9	314.6	211.3	104.3	52.9	56.6	49.8	48.8	47.8	46.7
27.5°	536.2	523.3	442.3	191.0	73.7	55.5	54.0	47.2	56.1	56.1	55.5
30°	610.5	561.7	445.4	171.3	62.3	59.2	50.9	55.0	49.8	46.7	46.7
32.5°	791.1	768.8	544.5	121.0	59.2	53.5	53.5	47.2	42.0	43.6	43.1
35°	848.2	819.1	484.8	90.8	54.5	49.3	44.6	41.5	35.8	32.2	31.7
37.5°	918.8	880.9	407.0	70.1	53.5	43.6	36.9	31.7	27.5	27.5	27.0
40°	1005.5	947.9	332.7	59.7	47.2	37.4	28.6	24.4	21.8	20.2	19.7
42.5°	1100.5	1011.2	255.9	54.0	41.0	30.6	21.3	17.6	16.1	15.6	15.6
45°	1200.7	1069.9	183.8	49.3	35.8	23.9	15.6	12.5	11.9	11.9	11.9
47.5°	1303.0	1112.4	125.1	44.6	30.1	17.6	11.4	9.3	9.3	8.8	8.8
50°	1403.1	1141.5	86.2	40.0	24.4	12.5	8.3	7.8	7.8	7.3	7.3
52.5°	1475.8	1134.8	64.4	34.8	19.2	9.3	6.7	6.2	6.2	6.2	6.2
55°	1546.4	1119.7	52.9	29.6	14.5	6.7	5.2	4.7	4.7	4.7	4.7
57.5°	1619.1	1099.5	45.7	23.9	10.4	5.2	3.6	3.6	3.6	3.6	3.6
60°	1679.3	1060.0	39.5	19.2	7.3	3.6	3.1	2.6	2.6	2.6	2.6
62.5°	1746.3	1020.0	33.7	14.5	5.2	2.6	2.1	1.6	1.6	1.0	1.6
65°	1794.0	971.2	27.5	10.4	3.6	2.1	1.6	1.0	0.5	0.0	0.5
67.5°	1793.0	906.4	19.7	6.7	2.6	1.6	1.0	0.5	0.0	0.0	0.0
70°	1714.6	813.4	13.5	4.7	2.1	1.0	1.0	0.5	0.0	0.0	0.0
72°	1513.2	656.1	10.4	4.2	2.1	1.0	1.0	0.5	0.0	0.0	0.0
72.5°	1442.6	602.2	9.3	3.6	2.1	1.0	1.0	0.5	0.0	0.0	0.0
75°	916.2	250.7	7.3	3.1	2.1	1.0	1.0	0.5	0.5	0.5	0.0
77.5°	425.7	91.9	5.2	2.6	1.6	1.0	1.0	0.5	0.5	1.0	0.0
80°	92.9	27.0	3.6	2.6	1.6	1.0	1.0	1.0	1.0	1.6	0.0
82.5°	21.3	8.8	3.1	2.1	1.6	1.0	1.0	1.0	1.0	1.6	0.0
85°	7.8	5.2	3.1	2.6	2.1	1.0	1.0	1.6	1.6	2.1	0.0
87.5°	3.1	3.1	2.6	2.6	2.1	1.0	1.6	1.6	2.1	2.1	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)