

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: P415395

Luminaire Tested: **LXF.LXT-PA1-50-727-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415395
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-727-U-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4549 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 54
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

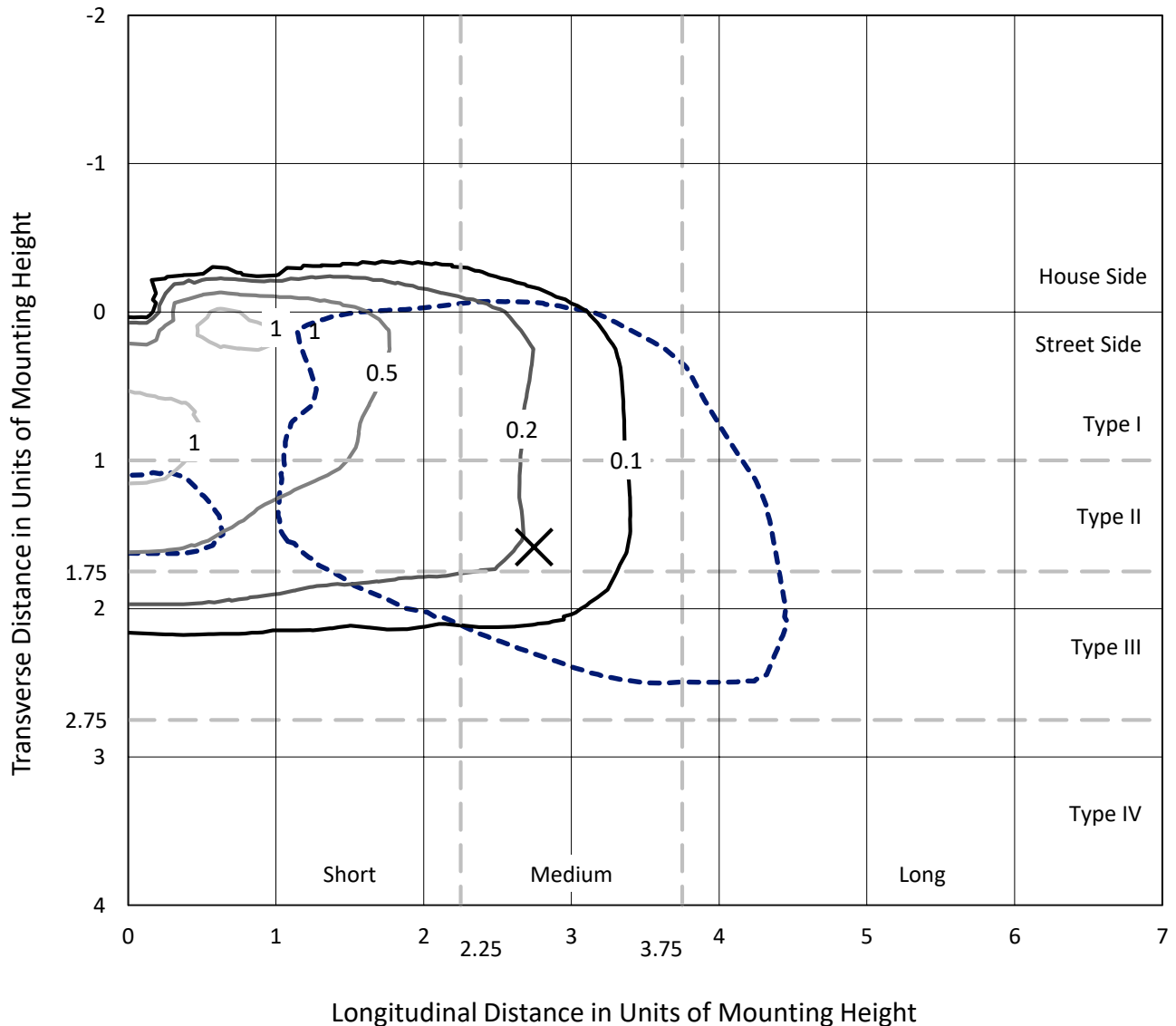


REPORT NUMBER: P415395

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

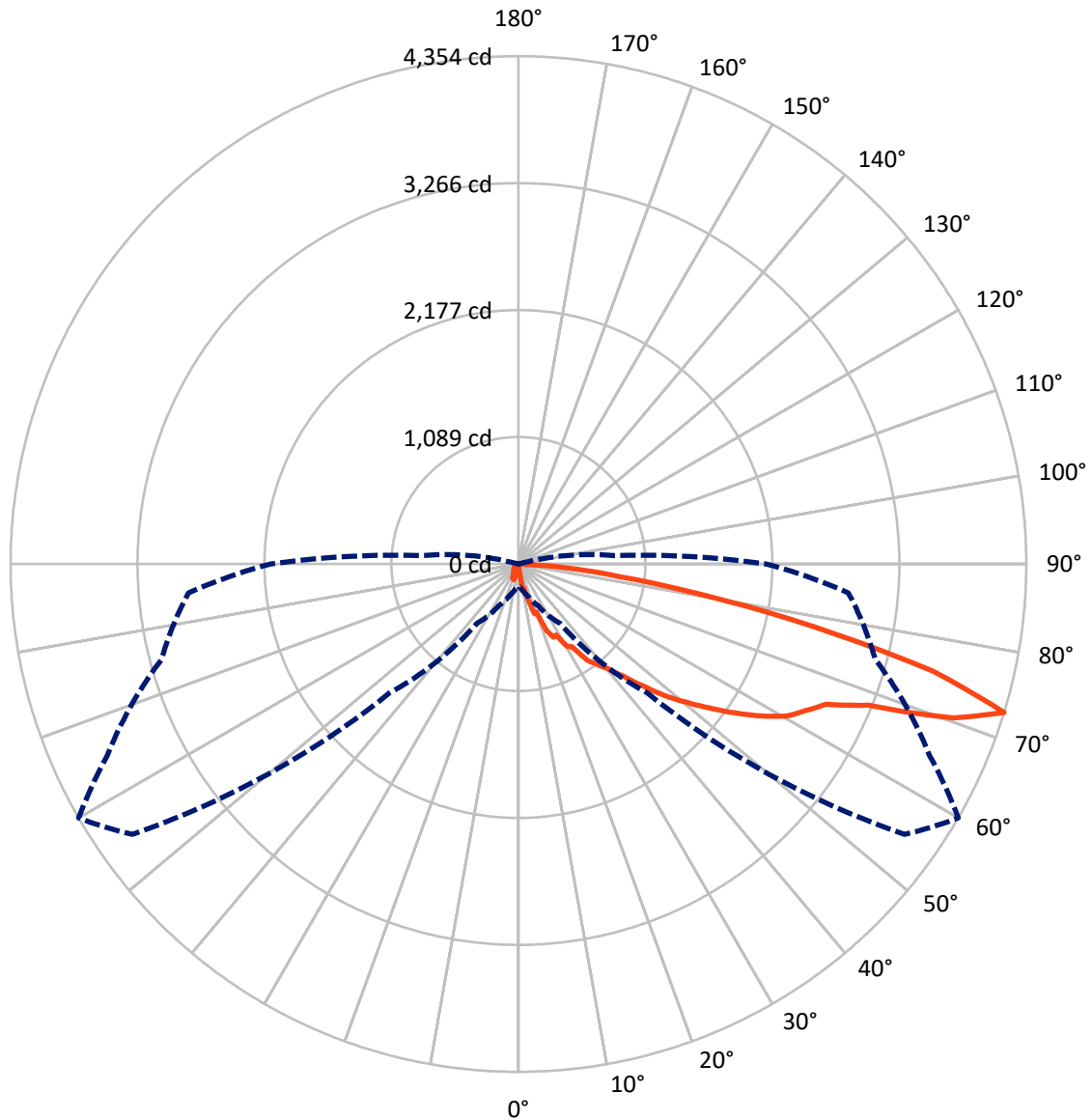
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P415395
CATALOG NUMBER: LXF.LXT-PA1-50-727-U-SL3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



REPORT NUMBER: P415395

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-SL3-HSS

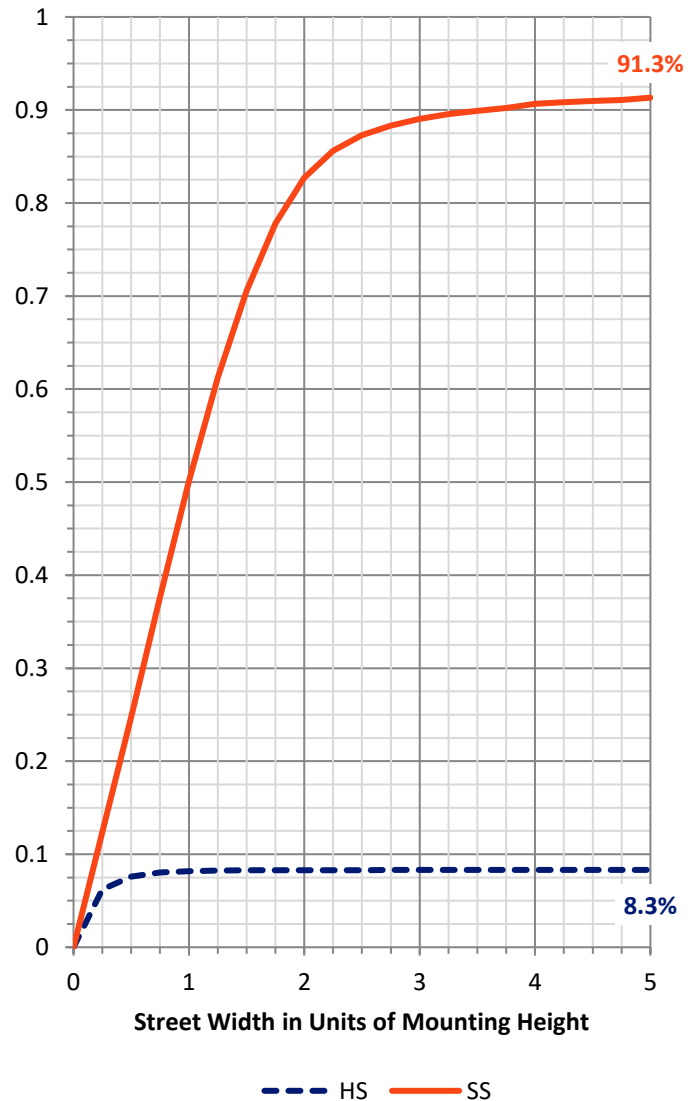
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	381.6	0.0	381.6
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	4167.5	0.0	4167.5
	% Fixture	91.6	0.0	91.6
Total	Lumens	4549.0	0.0	4549.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.1	0.1
10°-20°	63.4	1.4
20°-30°	198.1	4.4
30°-40°	427.2	9.4
40°-50°	726.3	16.0
50°-60°	1073.7	23.6
60°-70°	1168.0	25.7
70°-80°	796.0	17.5
80°-90°	90.3	2.0
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°	4549.0	100.0
0°-180°	4549.0	100.0

Coefficient of Utilization



REPORT NUMBER: P415395

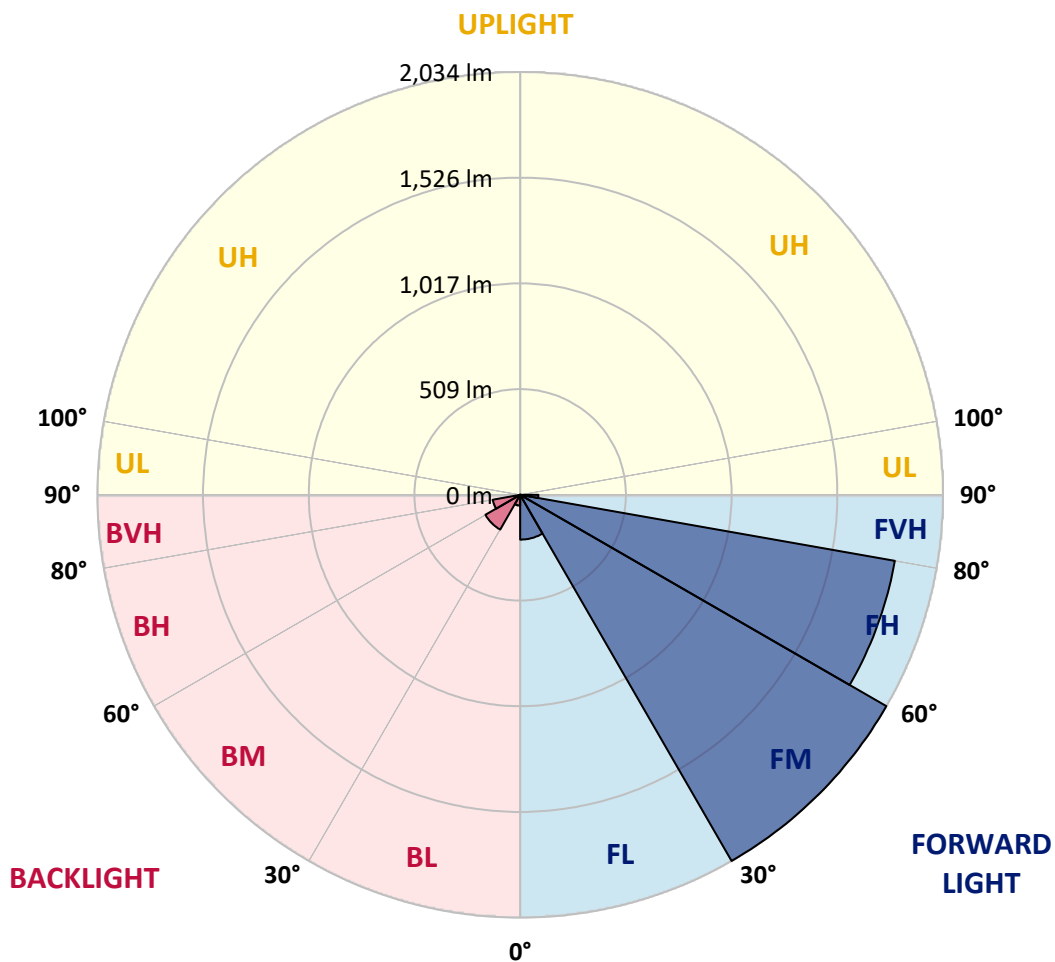
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	215.4	4.7			
FM	(30°-60°)	2034.2	44.7			
FH	(60°-80°)	1830.2	40.2			G2/5000
FVH	(80°-90°)	87.6	1.9			G1/100
BL	(0°-30°)	52.2	1.1	B0/110		
BM	(30°-60°)	193.0	4.2	B0/220		
BH	(60°-80°)	133.7	2.9	B1/500		G1/500
BVH	(80°-90°)	2.7	0.1			G0/10
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: P415395

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	4.1	3.0	3.0	2.4	1.8	1.8	1.8	2.4	2.4	1.8	2.4
5°	232.7	229.7	229.7	230.9	150.0	25.4	14.2	5.9	2.4	2.4	2.4
7.5°	220.9	218.5	219.7	222.6	224.4	227.4	227.4	69.7	22.4	2.4	2.4
10°	226.2	224.4	215.0	213.2	216.7	219.7	220.9	226.2	219.7	6.5	2.4
12.5°	398.0	395.1	395.1	400.4	232.7	212.6	215.0	220.3	190.2	24.8	13.6
15°	380.9	378.6	379.1	385.6	394.5	279.9	220.9	327.2	419.9	379.1	301.2
17.5°	531.5	457.7	395.7	376.8	378.6	391.0	428.2	450.0	427.0	431.7	328.4
20°	542.7	538.6	536.2	540.4	387.4	515.6	544.5	441.7	429.9	462.4	605.9
22.5°	561.6	552.2	533.3	530.9	596.5	507.9	527.4	617.7	634.3	677.4	630.7
25°	760.7	753.6	734.1	558.7	611.8	583.5	665.0	695.1	685.1	713.4	683.9
27.5°	835.7	822.1	780.1	725.2	649.6	688.0	672.7	689.2	756.5	982.7	964.4
30°	1171.1	1135.1	1019.3	835.1	772.5	716.4	782.5	817.4	874.0	1005.7	988.6
32.5°	1272.7	1234.3	1150.4	1063.0	915.4	812.0	861.1	845.7	886.5	1227.2	1298.1
35°	1568.6	1550.8	1399.7	1156.9	1119.1	957.9	904.2	1009.9	1070.1	1244.3	1364.2
37.5°	1572.1	1573.3	1564.4	1400.2	1227.2	1076.6	1086.7	1090.8	1137.4	1325.8	1441.0
40°	1622.3	1630.6	1652.4	1528.4	1382.5	1248.5	1221.9	1180.6	1221.9	1417.4	1546.1
42.5°	1727.4	1733.3	1781.8	1652.4	1505.4	1382.5	1396.1	1311.7	1341.8	1590.4	1689.0
45°	1912.3	1908.7	1969.6	1782.9	1619.9	1535.5	1550.8	1485.9	1467.6	1732.2	1856.8
47.5°	2121.3	2134.3	2132.0	1927.0	1733.9	1677.8	1722.1	1687.3	1615.2	1912.9	2052.2
50°	2319.2	2315.0	2253.6	2008.5	1835.5	1817.2	1919.4	1862.1	1796.5	2096.5	2240.6
52.5°	2391.2	2394.8	2321.5	2057.6	1922.3	1955.4	2108.3	2050.5	1965.4	2227.6	2427.8
55°	2378.2	2383.0	2341.6	2107.8	1987.3	2084.7	2304.4	2254.8	2159.1	2370.0	2568.4
57.5°	2256.6	2256.6	2290.2	2139.1	2050.5	2200.5	2479.2	2459.1	2341.0	2488.1	2652.3
60°	1945.9	1979.0	2084.7	2101.3	2124.9	2325.7	2652.3	2645.8	2502.3	2598.5	2701.9
62.5°	1496.5	1507.1	1741.0	1918.2	2130.8	2494.0	2798.1	2766.8	2621.6	2632.2	2736.7
65°	848.7	897.1	1113.2	1560.9	2009.7	2670.0	3032.6	2898.5	2726.1	2672.3	2864.9
67.5°	457.1	474.8	595.3	944.9	1647.1	2689.5	3564.1	3232.8	2974.1	2883.8	3115.9
70°	295.3	314.2	379.1	519.1	1032.9	2378.2	4064.3	3952.7	3486.2	3173.2	3154.3
72.5°	191.9	203.2	273.4	391.0	621.3	1566.8	4041.3	4354.3	3890.7	3167.8	2839.5
75°	78.0	85.6	137.0	325.4	525.0	767.7	3100.5	3671.6	3652.7	2815.3	2197.5
77.5°	39.0	41.3	60.8	176.0	466.0	531.5	1961.9	2589.7	2600.3	2052.2	1221.9
80°	25.4	24.8	34.8	82.7	317.7	483.7	1097.3	1591.0	1487.7	778.4	342.5
82.5°	10.0	10.6	18.9	47.2	132.9	437.6	626.0	856.3	669.7	151.8	98.6
85°	1.8	1.8	5.9	25.4	41.9	200.2	404.0	414.6	275.2	47.8	49.6
87.5°	0.6	0.6	1.2	1.8	3.0	4.7	17.7	8.3	5.3	8.3	9.4
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: P415395

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	2.4	2.4	2.4	1.8	1.8	1.2	0.0	0.0	0.6	0.6	0.6
5°	2.4	2.4	2.4	1.8	1.8	0.6	0.0	0.0	0.6	0.6	0.6
7.5°	2.4	2.4	2.4	1.8	1.2	0.6	0.0	0.0	0.6	0.6	0.6
10°	2.4	2.4	2.4	1.8	1.2	0.6	17.1	109.3	112.8	113.4	112.2
12.5°	14.8	15.4	8.3	1.8	1.2	101.6	101.0	84.5	73.8	69.7	64.4
15°	320.7	304.7	252.2	148.8	82.1	83.3	61.4	45.5	36.6	34.3	33.1
17.5°	317.7	294.7	232.1	135.8	142.9	62.6	33.1	36.6	47.8	48.4	48.4
20°	597.1	523.8	226.8	151.8	96.3	54.3	43.1	45.5	45.5	46.1	45.5
22.5°	622.5	549.2	339.6	193.7	69.1	57.3	49.0	42.5	43.7	56.7	54.9
25°	627.8	538.6	314.8	151.8	66.7	57.3	53.7	52.0	58.5	58.5	59.1
27.5°	904.8	757.1	381.5	114.0	66.1	59.6	59.6	54.3	52.6	52.0	52.6
30°	903.0	731.1	325.4	96.3	63.8	59.1	53.7	48.4	58.5	59.1	59.1
32.5°	1185.3	934.9	314.8	78.0	63.8	54.3	47.2	50.2	46.7	46.7	46.7
35°	1201.8	911.3	248.0	80.9	56.7	49.6	46.1	39.0	41.3	41.9	40.7
37.5°	1233.7	894.7	188.4	73.2	56.7	46.1	37.8	34.8	32.5	31.9	31.9
40°	1291.0	895.9	145.3	67.3	53.2	41.9	33.7	28.3	29.5	29.5	28.9
42.5°	1376.6	913.0	114.0	62.0	47.8	37.2	28.3	25.4	23.6	23.6	23.0
45°	1490.0	949.6	93.3	57.9	43.7	31.9	23.0	20.7	18.9	18.9	18.3
47.5°	1630.6	1001.0	81.5	53.7	39.0	26.6	18.9	16.5	15.4	14.8	14.8
50°	1780.6	1062.4	75.0	50.2	33.7	21.3	15.4	13.0	11.8	11.8	11.2
52.5°	1935.9	1132.7	69.7	47.8	28.9	17.7	11.8	9.4	8.9	8.3	8.9
55°	2061.7	1175.2	66.1	47.2	24.2	14.2	8.9	7.1	6.5	5.9	5.9
57.5°	2144.4	1198.3	61.4	43.7	19.5	10.6	6.5	4.7	4.1	4.1	4.1
60°	2209.3	1211.3	55.5	34.8	15.4	7.7	4.1	3.0	3.0	3.0	3.0
62.5°	2260.7	1220.1	46.7	27.2	11.8	5.3	3.0	1.8	1.8	1.8	1.8
65°	2413.1	1272.1	36.0	20.7	8.9	3.5	1.8	1.2	0.6	1.2	1.2
67.5°	2598.5	1293.9	26.6	14.8	6.5	2.4	1.2	0.6	0.6	0.6	1.2
70°	2525.3	1127.4	19.5	10.6	4.7	1.8	1.2	0.6	0.6	0.6	1.2
72.5°	2121.9	823.8	14.2	7.7	3.5	1.8	1.2	0.6	0.6	1.2	1.2
75°	1526.0	464.8	11.2	5.3	3.0	1.8	1.2	1.2	1.2	1.8	1.8
77.5°	718.1	173.0	11.2	4.7	3.0	1.8	1.2	1.2	1.8	2.4	1.2
80°	174.2	43.1	11.2	4.1	3.0	1.8	1.8	1.8	2.4	2.4	1.2
82.5°	58.5	18.3	8.3	3.5	3.0	1.8	1.8	2.4	2.4	3.0	1.8
85°	35.4	11.8	5.9	4.1	3.5	1.8	2.4	2.4	3.0	3.5	1.8
87.5°	5.9	4.7	4.1	4.1	3.5	2.4	2.4	3.0	3.0	3.5	2.4
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)