

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: P413731

Luminaire Tested: **LXF.LXT-PA1-100-727-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413731
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-PA1-100-727-U-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1200mA 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: 7033 lumens
Efficiency: N/A
Efficacy: 73.3 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): 96
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

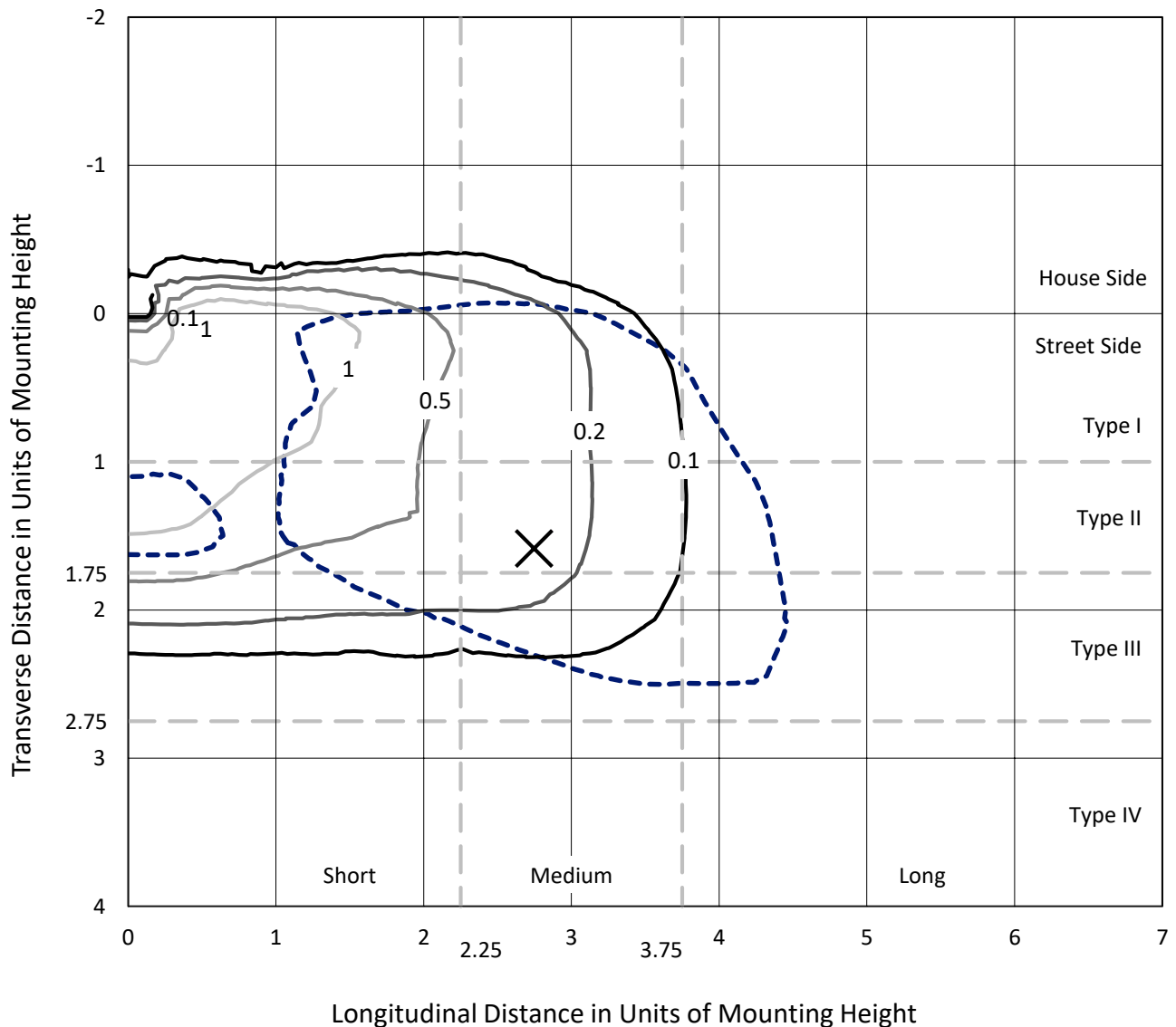


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

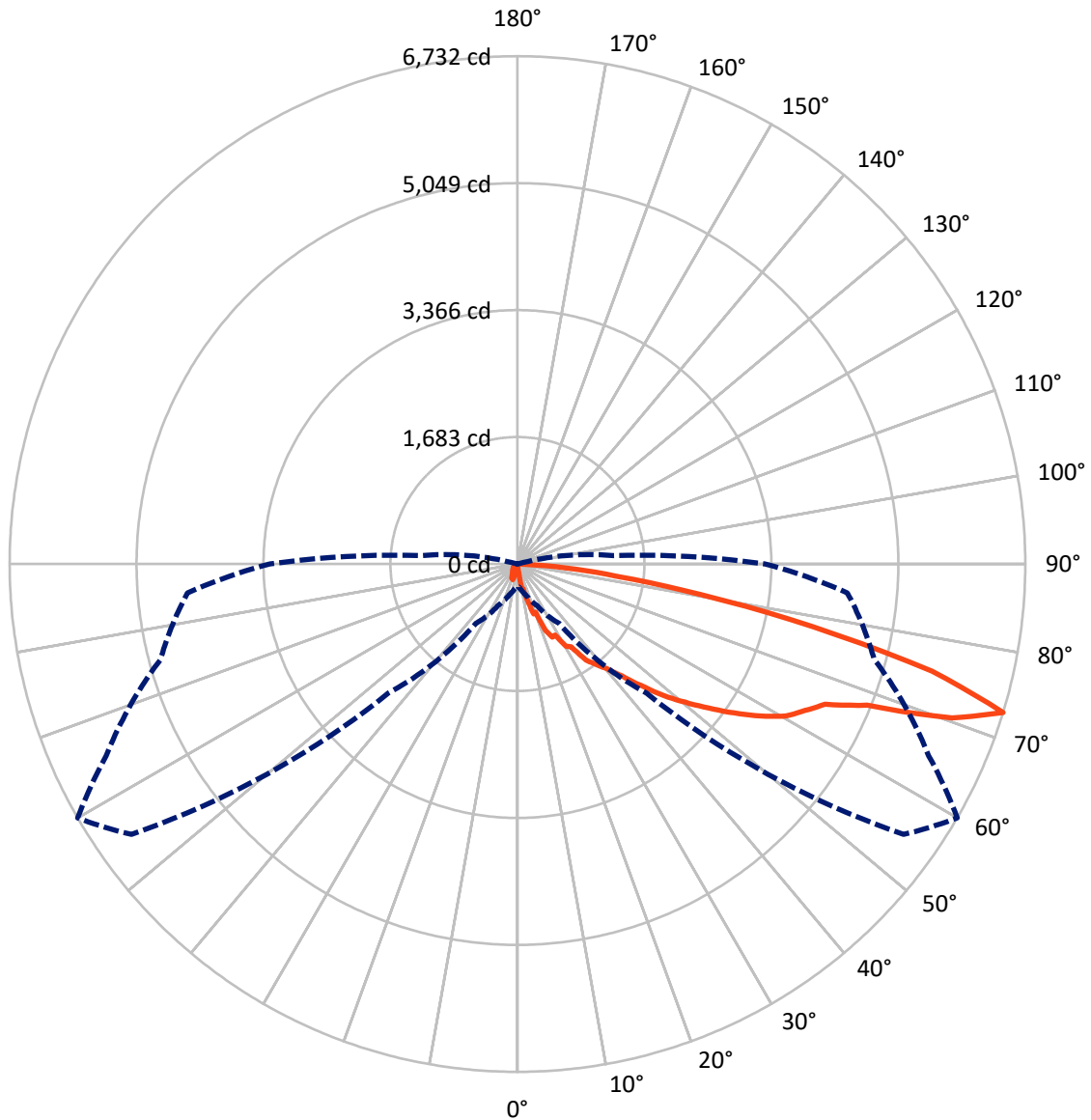


Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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



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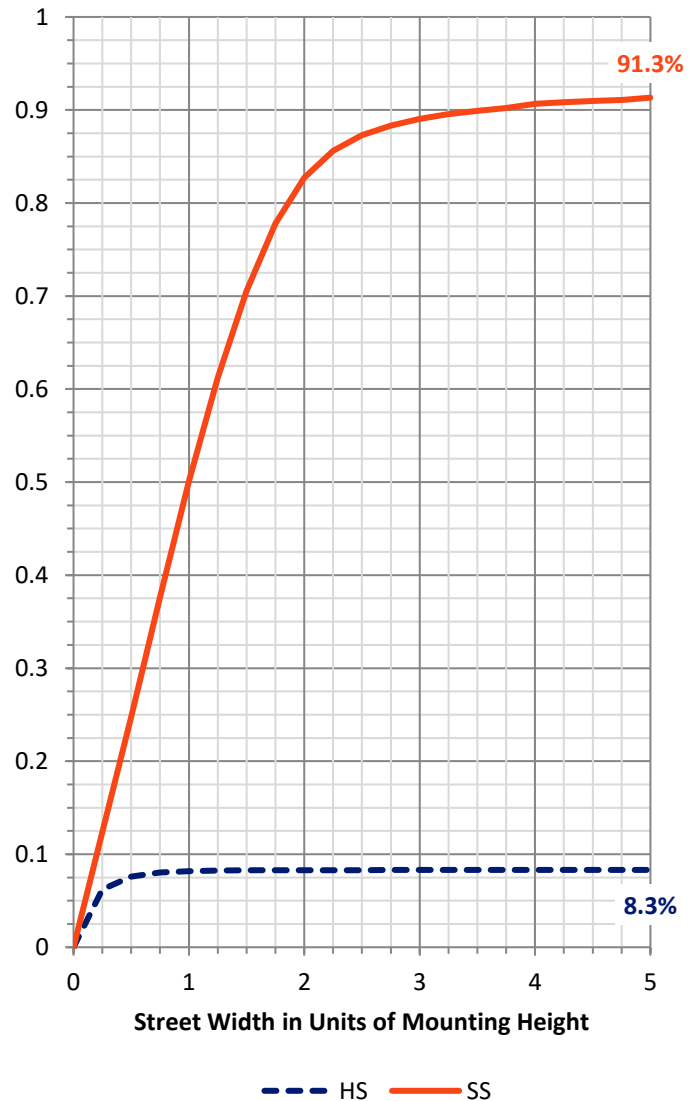
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	589.9	0.0	589.9
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	6443.1	0.0	6443.1
	% Fixture	91.6	0.0	91.6
Total	Lumens	7033.0	0.0	7033.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.4	0.1
10°-20°	98.0	1.4
20°-30°	306.3	4.4
30°-40°	660.4	9.4
40°-50°	1122.9	16.0
50°-60°	1660.0	23.6
60°-70°	1805.7	25.7
70°-80°	1230.6	17.5
80°-90°	139.6	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°	7033.0	100.0
0°-180°	7033.0	100.0



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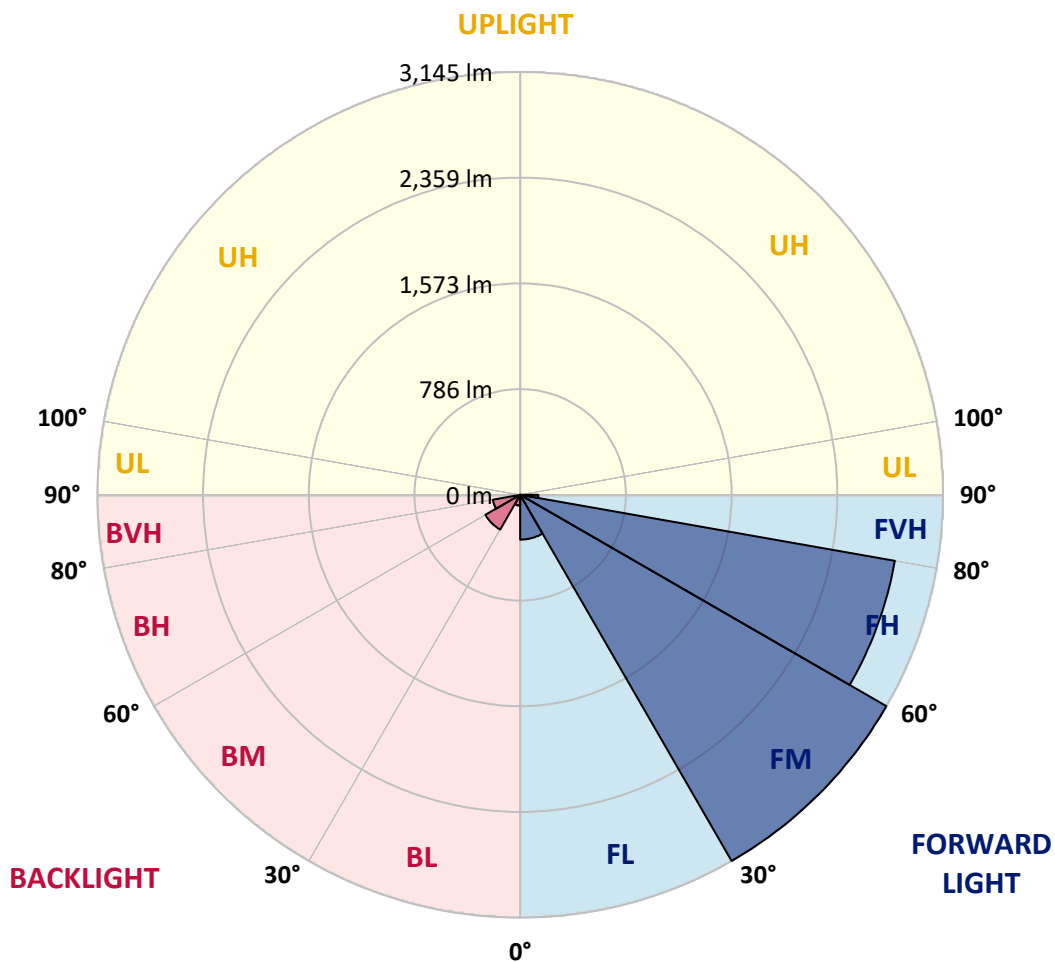
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	333.1	4.7			
FM	(30°-60°)	3145.0	44.7			
FH	(60°-80°)	2829.6	40.2			G2/5000
FVH	(80°-90°)	135.4	1.9			G2/225
BL	(0°-30°)	80.6	1.1	B0/110		
BM	(30°-60°)	298.3	4.2	B1/1000		
BH	(60°-80°)	206.7	2.9	B1/500		G1/500
BVH	(80°-90°)	4.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	6.4	4.6	4.6	3.7	2.7	2.7	2.7	3.7	3.7	2.7	3.7
5°	359.7	355.2	355.2	357.0	231.9	39.3	21.9	9.1	3.7	3.7	3.7
7.5°	341.5	337.8	339.7	344.2	347.0	351.5	351.5	107.7	34.7	3.7	3.7
10°	349.7	347.0	332.4	329.6	335.1	339.7	341.5	349.7	339.7	10.0	3.7
12.5°	615.4	610.8	610.8	619.1	359.7	328.7	332.4	340.6	294.0	38.3	21.0
15°	588.9	585.3	586.2	596.2	609.9	432.8	341.5	505.8	649.2	586.2	465.7
17.5°	821.8	707.6	611.7	582.5	585.3	604.4	662.0	695.8	660.1	667.4	507.7
20°	839.1	832.7	829.1	835.4	599.0	797.1	841.8	683.0	664.7	714.9	936.8
22.5°	868.3	853.7	824.5	820.8	922.2	785.2	815.4	955.1	980.6	1047.3	975.1
25°	1176.0	1165.1	1134.9	863.8	945.9	902.1	1028.1	1074.7	1059.1	1103.0	1057.3
27.5°	1292.0	1271.0	1206.2	1121.2	1004.4	1063.7	1040.0	1065.5	1169.6	1519.3	1491.0
30°	1810.6	1754.9	1575.9	1291.1	1194.3	1107.5	1209.8	1263.7	1351.3	1554.9	1528.5
32.5°	1967.6	1908.3	1778.6	1643.5	1415.2	1255.5	1331.2	1307.5	1370.5	1897.3	2006.9
35°	2425.1	2397.7	2163.9	1788.7	1730.2	1481.0	1397.9	1561.3	1654.5	1923.8	2109.2
37.5°	2430.6	2432.4	2418.7	2164.9	1897.3	1664.5	1680.0	1686.4	1758.6	2049.8	2227.9
40°	2508.2	2521.0	2554.7	2363.0	2137.5	1930.2	1889.1	1825.2	1889.1	2191.3	2390.4
42.5°	2670.7	2679.8	2754.7	2554.7	2327.4	2137.5	2158.5	2027.9	2074.5	2458.9	2611.3
45°	2956.5	2951.0	3045.0	2756.5	2504.5	2374.0	2397.7	2297.3	2269.0	2678.0	2870.7
47.5°	3279.7	3299.8	3296.1	2979.3	2680.7	2594.0	2662.5	2608.6	2497.2	2957.4	3172.9
50°	3585.6	3579.2	3484.2	3105.3	2837.8	2809.5	2967.4	2878.9	2777.5	3241.4	3464.1
52.5°	3697.0	3702.5	3589.2	3181.1	2972.0	3023.1	3259.6	3170.1	3038.7	3444.1	3753.6
55°	3676.9	3684.2	3620.3	3258.7	3072.4	3223.1	3562.8	3486.1	3338.1	3664.1	3970.9
57.5°	3488.8	3488.8	3540.8	3307.1	3170.1	3402.1	3833.0	3802.0	3619.4	3846.7	4100.5
60°	3008.5	3059.7	3223.1	3248.7	3285.2	3595.6	4100.5	4090.5	3868.6	4017.5	4177.2
62.5°	2313.7	2330.1	2691.7	2965.6	3294.3	3855.8	4326.1	4277.7	4053.1	4069.5	4231.1
65°	1312.1	1386.9	1721.1	2413.2	3107.1	4127.9	4688.6	4481.3	4214.7	4131.6	4429.2
67.5°	706.7	734.1	920.4	1460.9	2546.5	4158.1	5510.3	4998.1	4598.2	4458.5	4817.3
70°	456.5	485.7	586.2	802.6	1596.9	3676.9	6283.7	6111.1	5389.8	4905.9	4876.6
72.5°	296.7	314.1	422.7	604.4	960.5	2422.3	6248.1	6732.0	6015.2	4897.6	4390.0
75°	120.5	132.4	211.8	503.1	811.7	1187.0	4793.6	5676.5	5647.3	4352.5	3397.5
77.5°	60.3	63.9	94.0	272.1	720.4	821.8	3033.2	4003.8	4020.2	3172.9	1889.1
80°	39.3	38.3	53.9	127.8	491.2	747.8	1696.5	2459.8	2300.0	1203.4	529.6
82.5°	15.5	16.4	29.2	73.0	205.4	676.6	967.8	1323.9	1035.4	234.7	152.5
85°	2.7	2.7	9.1	39.3	64.8	309.5	624.5	641.0	425.5	74.0	76.7
87.5°	0.9	0.9	1.8	2.7	4.6	7.3	27.4	12.8	8.2	12.8	14.6
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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	3.7	3.7	3.7	2.7	2.7	1.8	0.0	0.0	0.9	0.9	0.9
5°	3.7	3.7	3.7	2.7	2.7	0.9	0.0	0.0	0.9	0.9	0.9
7.5°	3.7	3.7	3.7	2.7	1.8	0.9	0.0	0.0	0.9	0.9	0.9
10°	3.7	3.7	3.7	2.7	1.8	0.9	26.5	168.9	174.4	175.3	173.5
12.5°	22.8	23.7	12.8	2.7	1.8	157.0	156.1	130.6	114.1	107.7	99.5
15°	495.8	471.1	389.9	230.1	126.9	128.7	95.0	70.3	56.6	53.0	51.1
17.5°	491.2	455.6	358.8	210.0	221.0	96.8	51.1	56.6	74.0	74.9	74.9
20°	923.1	809.9	350.6	234.7	148.8	84.0	66.7	70.3	70.3	71.2	70.3
22.5°	962.4	849.1	525.0	299.5	106.8	88.6	75.8	65.7	67.6	87.7	84.9
25°	970.6	832.7	486.7	234.7	103.2	88.6	83.1	80.3	90.4	90.4	91.3
27.5°	1398.8	1170.5	589.8	176.2	102.3	92.2	92.2	84.0	81.3	80.3	81.3
30°	1396.1	1130.4	503.1	148.8	98.6	91.3	83.1	74.9	90.4	91.3	91.3
32.5°	1832.5	1445.4	486.7	120.5	98.6	84.0	73.0	77.6	72.1	72.1	72.1
35°	1858.1	1408.8	383.5	125.1	87.7	76.7	71.2	60.3	63.9	64.8	63.0
37.5°	1907.4	1383.3	291.3	113.2	87.7	71.2	58.4	53.9	50.2	49.3	49.3
40°	1995.9	1385.1	224.6	104.1	82.2	64.8	52.0	43.8	45.7	45.7	44.7
42.5°	2128.3	1411.6	176.2	95.9	74.0	57.5	43.8	39.3	36.5	36.5	35.6
45°	2303.6	1468.2	144.3	89.5	67.6	49.3	35.6	32.0	29.2	29.2	28.3
47.5°	2521.0	1547.6	126.0	83.1	60.3	41.1	29.2	25.6	23.7	22.8	22.8
50°	2752.9	1642.6	116.0	77.6	52.0	32.9	23.7	20.1	18.3	18.3	17.3
52.5°	2993.0	1751.2	107.7	74.0	44.7	27.4	18.3	14.6	13.7	12.8	13.7
55°	3187.5	1817.0	102.3	73.0	37.4	21.9	13.7	11.0	10.0	9.1	9.1
57.5°	3315.3	1852.6	95.0	67.6	30.1	16.4	10.0	7.3	6.4	6.4	6.4
60°	3415.8	1872.7	85.8	53.9	23.7	11.9	6.4	4.6	4.6	4.6	4.6
62.5°	3495.2	1886.4	72.1	42.0	18.3	8.2	4.6	2.7	2.7	2.7	2.7
65°	3730.8	1966.7	55.7	32.0	13.7	5.5	2.7	1.8	0.9	1.8	1.8
67.5°	4017.5	2000.5	41.1	22.8	10.0	3.7	1.8	0.9	0.9	0.9	1.8
70°	3904.2	1743.0	30.1	16.4	7.3	2.7	1.8	0.9	0.9	0.9	1.8
72.5°	3280.6	1273.7	21.9	11.9	5.5	2.7	1.8	0.9	0.9	1.8	1.8
75°	2359.3	718.6	17.3	8.2	4.6	2.7	1.8	1.8	1.8	2.7	2.7
77.5°	1110.3	267.5	17.3	7.3	4.6	2.7	1.8	1.8	2.7	3.7	1.8
80°	269.4	66.7	17.3	6.4	4.6	2.7	2.7	2.7	3.7	3.7	1.8
82.5°	90.4	28.3	12.8	5.5	4.6	2.7	2.7	3.7	3.7	4.6	2.7
85°	54.8	18.3	9.1	6.4	5.5	2.7	3.7	3.7	4.6	5.5	2.7
87.5°	9.1	7.3	6.4	6.4	5.5	3.7	3.7	4.6	4.6	5.5	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

(END OF REPORT)