

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: P417371

Luminaire Tested: **LXF.LXT-PA1-90-830-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417371
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-PA1-90-830-U-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1180mA 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: 6600 lumens
Efficiency: N/A
Efficacy: 70.2 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

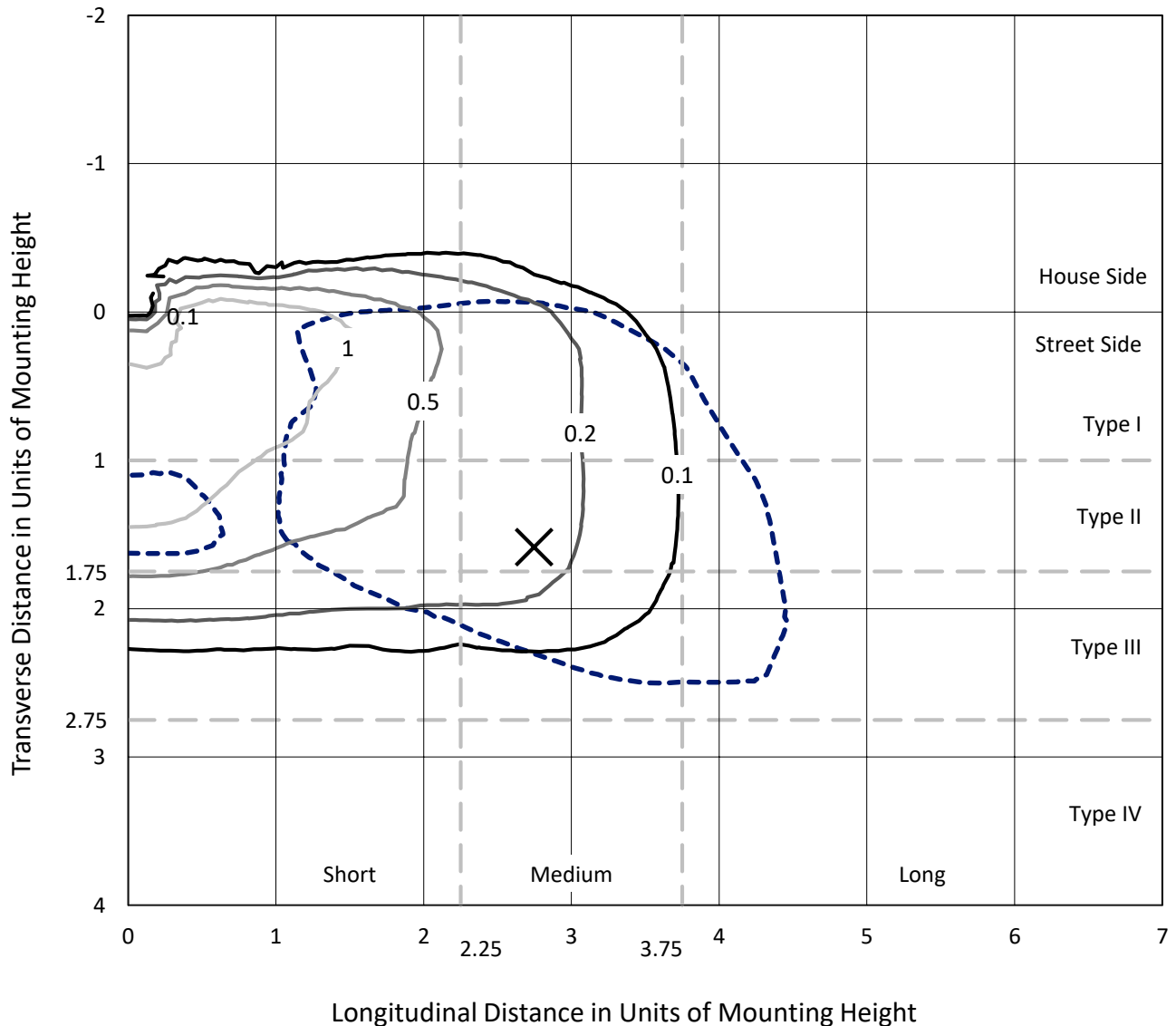
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P417371
 CATALOG NUMBER: LXF.LXT-PA1-90-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

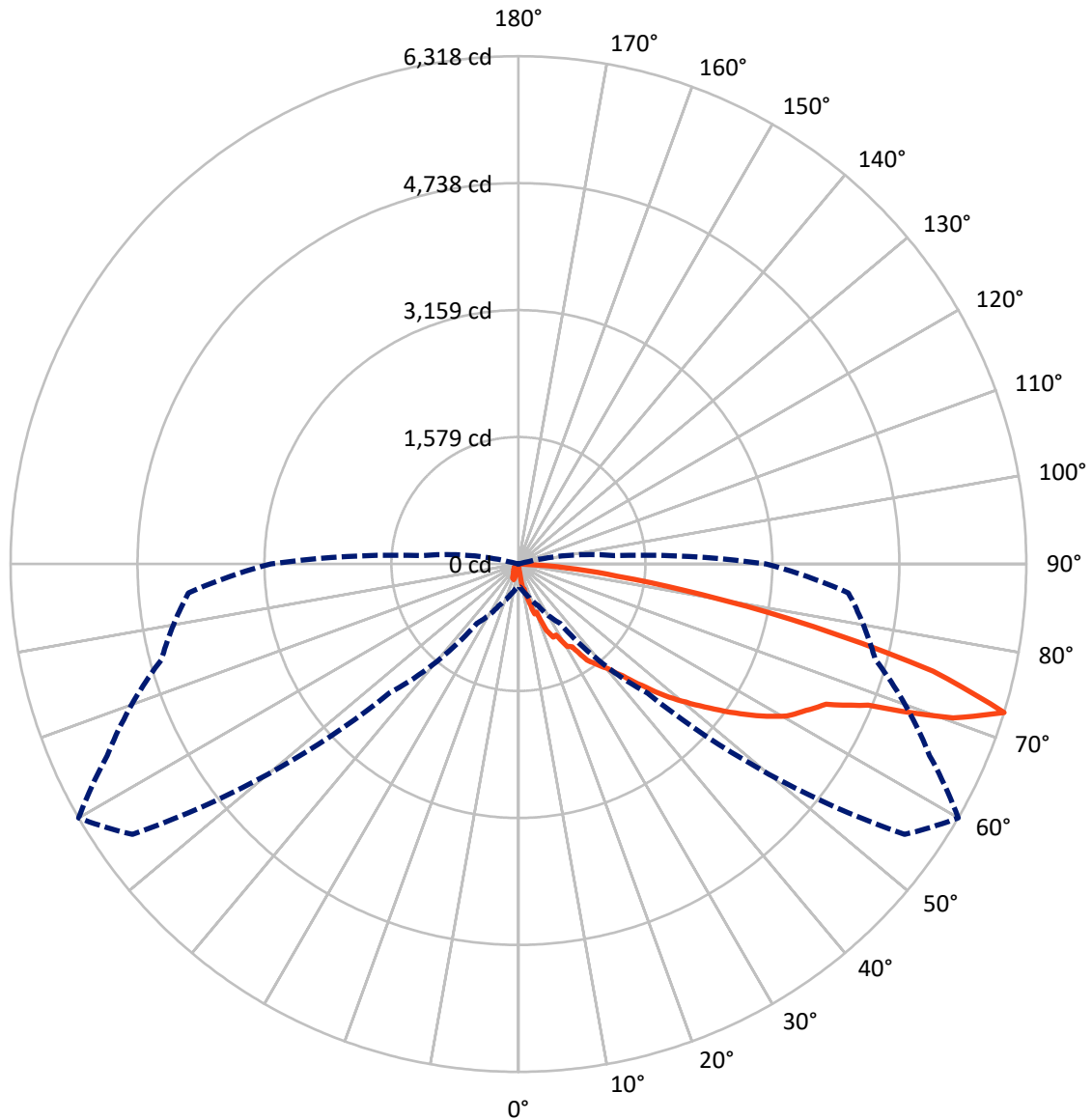


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P417371

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-SL3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P417371

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-SL3-HSS

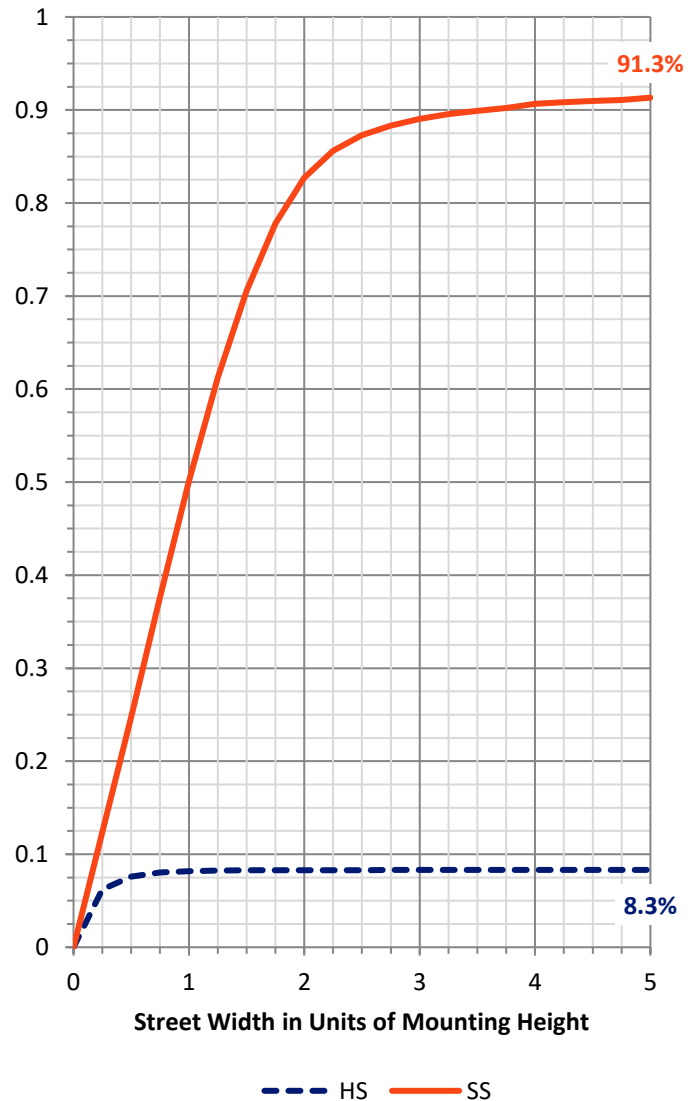
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	553.6	0.0	553.6
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	6046.4	0.0	6046.4
	% Fixture	91.6	0.0	91.6
Total	Lumens	6600.0	0.0	6600.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.9	0.1
10°-20°	91.9	1.4
20°-30°	287.5	4.4
30°-40°	619.8	9.4
40°-50°	1053.7	16.0
50°-60°	1557.8	23.6
60°-70°	1694.6	25.7
70°-80°	1154.9	17.5
80°-90°	131.0	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°	6600.0	100.0
0°-180°	6600.0	100.0



REPORT NUMBER: P417371

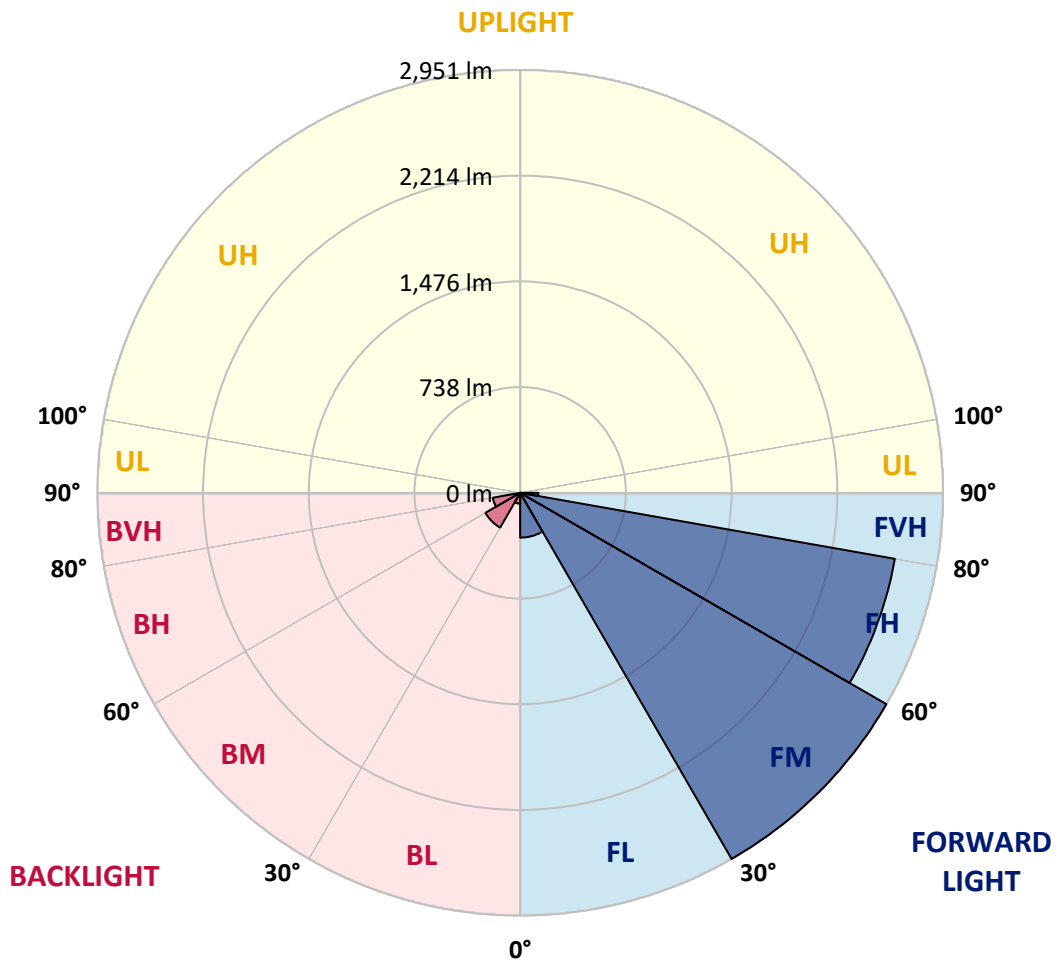
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	312.6	4.7			
FM	(30°-60°)	2951.4	44.7			
FH	(60°-80°)	2655.4	40.2			G2/5000
FVH	(80°-90°)	127.0	1.9			G2/225
BL	(0°-30°)	75.7	1.1	B0/110		
BM	(30°-60°)	279.9	4.2	B1/1000		
BH	(60°-80°)	194.0	2.9	B1/500		G1/500
BVH	(80°-90°)	4.0	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: P417371

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	6.0	4.3	4.3	3.4	2.6	2.6	2.6	3.4	3.4	2.6	3.4
5°	337.6	333.3	333.3	335.0	217.6	36.8	20.6	8.6	3.4	3.4	3.4
7.5°	320.5	317.0	318.7	323.0	325.6	329.9	329.9	101.1	32.6	3.4	3.4
10°	328.2	325.6	311.9	309.3	314.5	318.7	320.5	328.2	318.7	9.4	3.4
12.5°	577.5	573.2	573.2	580.9	337.6	308.5	311.9	319.6	275.9	36.0	19.7
15°	552.7	549.2	550.1	559.5	572.4	406.1	320.5	474.7	609.2	550.1	437.0
17.5°	771.2	664.1	574.1	546.7	549.2	567.2	621.2	652.9	619.5	626.4	476.4
20°	787.4	781.4	778.0	784.0	562.1	748.0	790.0	640.9	623.8	670.9	879.1
22.5°	814.9	801.1	773.7	770.3	865.4	736.9	765.2	896.3	920.3	982.8	915.1
25°	1103.6	1093.3	1065.1	810.6	887.7	846.6	964.8	1008.5	993.9	1035.1	992.2
27.5°	1212.4	1192.7	1131.9	1052.2	942.5	998.2	975.9	999.9	1097.6	1425.8	1399.2
30°	1699.1	1646.9	1478.9	1211.6	1120.8	1039.4	1135.3	1185.9	1268.1	1459.2	1434.4
32.5°	1846.5	1790.8	1669.1	1542.3	1328.1	1178.2	1249.3	1227.0	1286.1	1780.5	1883.3
35°	2275.8	2250.1	2030.7	1678.6	1623.7	1389.8	1311.8	1465.2	1552.6	1805.4	1979.3
37.5°	2280.9	2282.6	2269.8	2031.6	1780.5	1562.0	1576.6	1582.6	1650.3	1923.6	2090.7
40°	2353.8	2365.7	2397.5	2217.5	2005.9	1811.4	1772.8	1712.8	1772.8	2056.4	2243.2
42.5°	2506.3	2514.8	2585.1	2397.5	2184.1	2005.9	2025.6	1903.1	1946.8	2307.5	2450.6
45°	2774.5	2769.3	2857.6	2586.8	2350.3	2227.8	2250.1	2155.8	2129.3	2513.1	2693.9
47.5°	3077.8	3096.6	3093.2	2795.9	2515.7	2434.3	2498.6	2448.0	2343.5	2775.3	2977.5
50°	3364.8	3358.8	3269.7	2914.1	2663.1	2636.5	2784.7	2701.6	2606.5	3041.8	3250.9
52.5°	3469.4	3474.5	3368.3	2985.2	2789.0	2837.0	3058.9	2975.0	2851.6	3232.0	3522.5
55°	3450.5	3457.4	3397.4	3058.1	2883.3	3024.7	3343.4	3271.4	3132.6	3438.5	3726.4
57.5°	3274.0	3274.0	3322.8	3103.5	2975.0	3192.6	3597.0	3567.9	3396.5	3609.9	3848.1
60°	2823.3	2871.3	3024.7	3048.7	3082.9	3374.3	3848.1	3838.7	3630.4	3770.1	3920.1
62.5°	2171.2	2186.7	2526.0	2783.0	3091.5	3618.5	4059.7	4014.3	3803.5	3819.0	3970.6
65°	1231.3	1301.5	1615.2	2264.6	2915.8	3873.8	4399.9	4205.4	3955.2	3877.2	4156.6
67.5°	663.2	688.9	863.7	1371.0	2389.7	3902.1	5171.1	4690.4	4315.1	4184.0	4520.7
70°	428.4	455.8	550.1	753.2	1498.6	3450.5	5896.8	5734.9	5058.0	4603.8	4576.4
72.5°	278.5	294.8	396.7	567.2	901.4	2273.2	5863.4	6317.5	5644.9	4596.1	4119.7
75°	113.1	124.2	198.8	472.1	761.7	1113.9	4498.4	5327.0	5299.6	4084.6	3188.3
77.5°	56.6	60.0	88.3	255.3	676.1	771.2	2846.4	3757.3	3772.7	2977.5	1772.8
80°	36.8	36.0	50.6	120.0	461.0	701.8	1592.0	2308.3	2158.4	1129.3	497.0
82.5°	14.6	15.4	27.4	68.5	192.8	634.9	908.3	1242.4	971.7	220.2	143.1
85°	2.6	2.6	8.6	36.8	60.8	290.5	586.1	601.5	399.3	69.4	72.0
87.5°	0.9	0.9	1.7	2.6	4.3	6.9	25.7	12.0	7.7	12.0	13.7
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: P417371

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	3.4	3.4	3.4	2.6	2.6	1.7	0.0	0.0	0.9	0.9	0.9
5°	3.4	3.4	3.4	2.6	2.6	0.9	0.0	0.0	0.9	0.9	0.9
7.5°	3.4	3.4	3.4	2.6	1.7	0.9	0.0	0.0	0.9	0.9	0.9
10°	3.4	3.4	3.4	2.6	1.7	0.9	24.8	158.5	163.7	164.5	162.8
12.5°	21.4	22.3	12.0	2.6	1.7	147.4	146.5	122.5	107.1	101.1	93.4
15°	465.3	442.1	365.9	215.9	119.1	120.8	89.1	66.0	53.1	49.7	48.0
17.5°	461.0	427.6	336.7	197.1	207.4	90.8	48.0	53.1	69.4	70.3	70.3
20°	866.3	760.0	329.0	220.2	139.7	78.8	62.5	66.0	66.0	66.8	66.0
22.5°	903.1	796.9	492.7	281.0	100.3	83.1	71.1	61.7	63.4	82.3	79.7
25°	910.8	781.4	456.7	220.2	96.8	83.1	78.0	75.4	84.8	84.8	85.7
27.5°	1312.7	1098.5	553.5	165.4	96.0	86.5	86.5	78.8	76.3	75.4	76.3
30°	1310.1	1060.8	472.1	139.7	92.5	85.7	78.0	70.3	84.8	85.7	85.7
32.5°	1719.7	1356.4	456.7	113.1	92.5	78.8	68.5	72.8	67.7	67.7	67.7
35°	1743.7	1322.1	359.9	117.4	82.3	72.0	66.8	56.6	60.0	60.8	59.1
37.5°	1789.9	1298.1	273.3	106.2	82.3	66.8	54.8	50.6	47.1	46.3	46.3
40°	1873.1	1299.8	210.8	97.7	77.1	60.8	48.8	41.1	42.8	42.8	42.0
42.5°	1997.3	1324.7	165.4	90.0	69.4	54.0	41.1	36.8	34.3	34.3	33.4
45°	2161.8	1377.8	135.4	84.0	63.4	46.3	33.4	30.0	27.4	27.4	26.6
47.5°	2365.7	1452.4	118.2	78.0	56.6	38.6	27.4	24.0	22.3	21.4	21.4
50°	2583.4	1541.5	108.8	72.8	48.8	30.8	22.3	18.9	17.1	17.1	16.3
52.5°	2808.7	1643.4	101.1	69.4	42.0	25.7	17.1	13.7	12.9	12.0	12.9
55°	2991.2	1705.1	96.0	68.5	35.1	20.6	12.9	10.3	9.4	8.6	8.6
57.5°	3111.2	1738.5	89.1	63.4	28.3	15.4	9.4	6.9	6.0	6.0	6.0
60°	3205.5	1757.4	80.5	50.6	22.3	11.1	6.0	4.3	4.3	4.3	4.3
62.5°	3280.0	1770.2	67.7	39.4	17.1	7.7	4.3	2.6	2.6	2.6	2.6
65°	3501.1	1845.6	52.3	30.0	12.9	5.1	2.6	1.7	0.9	1.7	1.7
67.5°	3770.1	1877.3	38.6	21.4	9.4	3.4	1.7	0.9	0.9	0.9	1.7
70°	3663.9	1635.7	28.3	15.4	6.9	2.6	1.7	0.9	0.9	0.9	1.7
72.5°	3078.6	1195.3	20.6	11.1	5.1	2.6	1.7	0.9	0.9	1.7	1.7
75°	2214.1	674.3	16.3	7.7	4.3	2.6	1.7	1.7	1.7	2.6	2.6
77.5°	1041.9	251.1	16.3	6.9	4.3	2.6	1.7	1.7	2.6	3.4	1.7
80°	252.8	62.5	16.3	6.0	4.3	2.6	2.6	2.6	3.4	3.4	1.7
82.5°	84.8	26.6	12.0	5.1	4.3	2.6	2.6	3.4	3.4	4.3	2.6
85°	51.4	17.1	8.6	6.0	5.1	2.6	3.4	3.4	4.3	5.1	2.6
87.5°	8.6	6.9	6.0	6.0	5.1	3.4	3.4	4.3	4.3	5.1	3.4
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)