

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: P415404

Luminaire Tested: **LXF.LXT-PA1-50-727-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415404
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-PA1-50-727-U-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA 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: 4286 lumens
Efficiency: N/A
Efficacy: 79.4 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

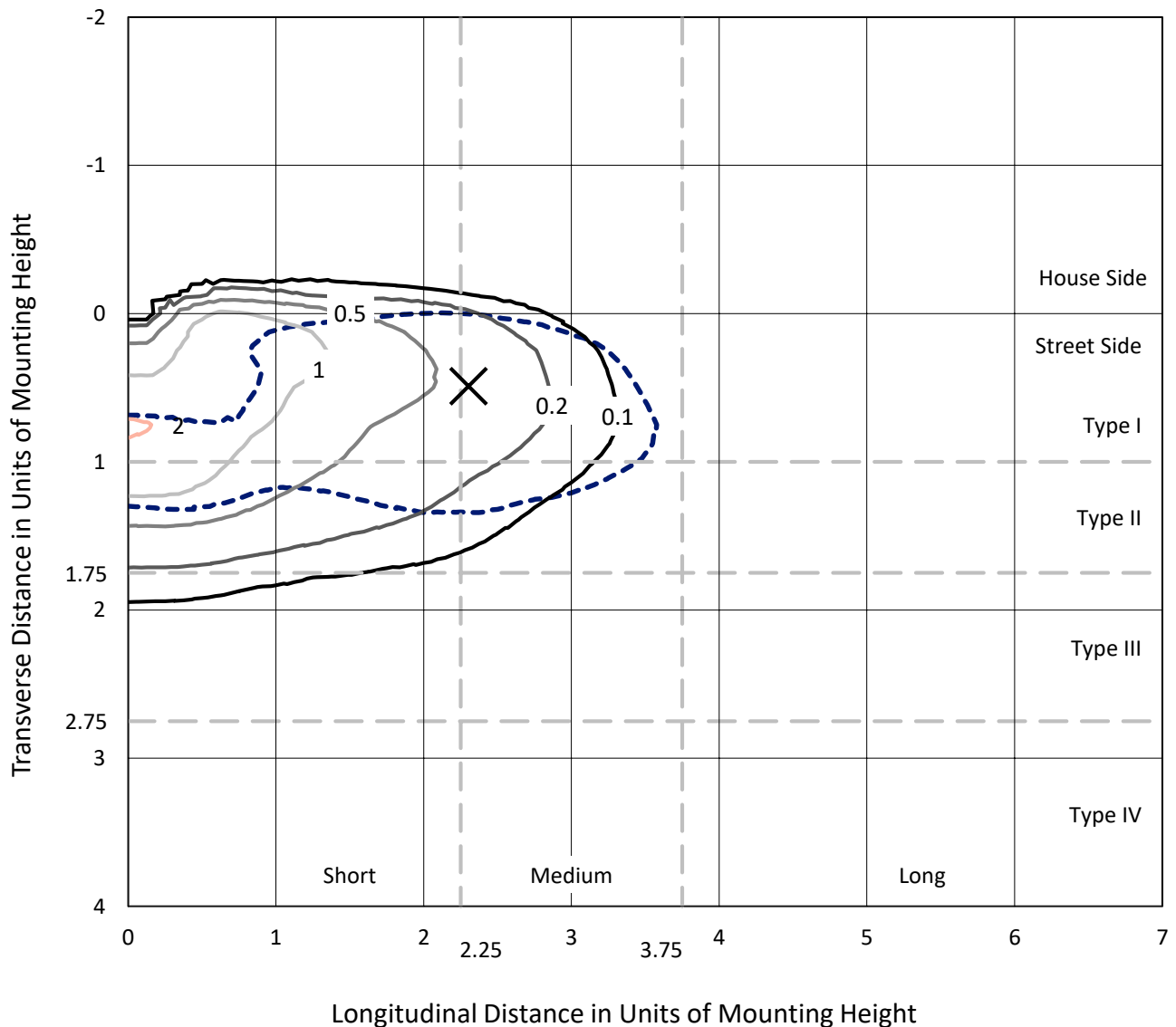
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415404
 CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

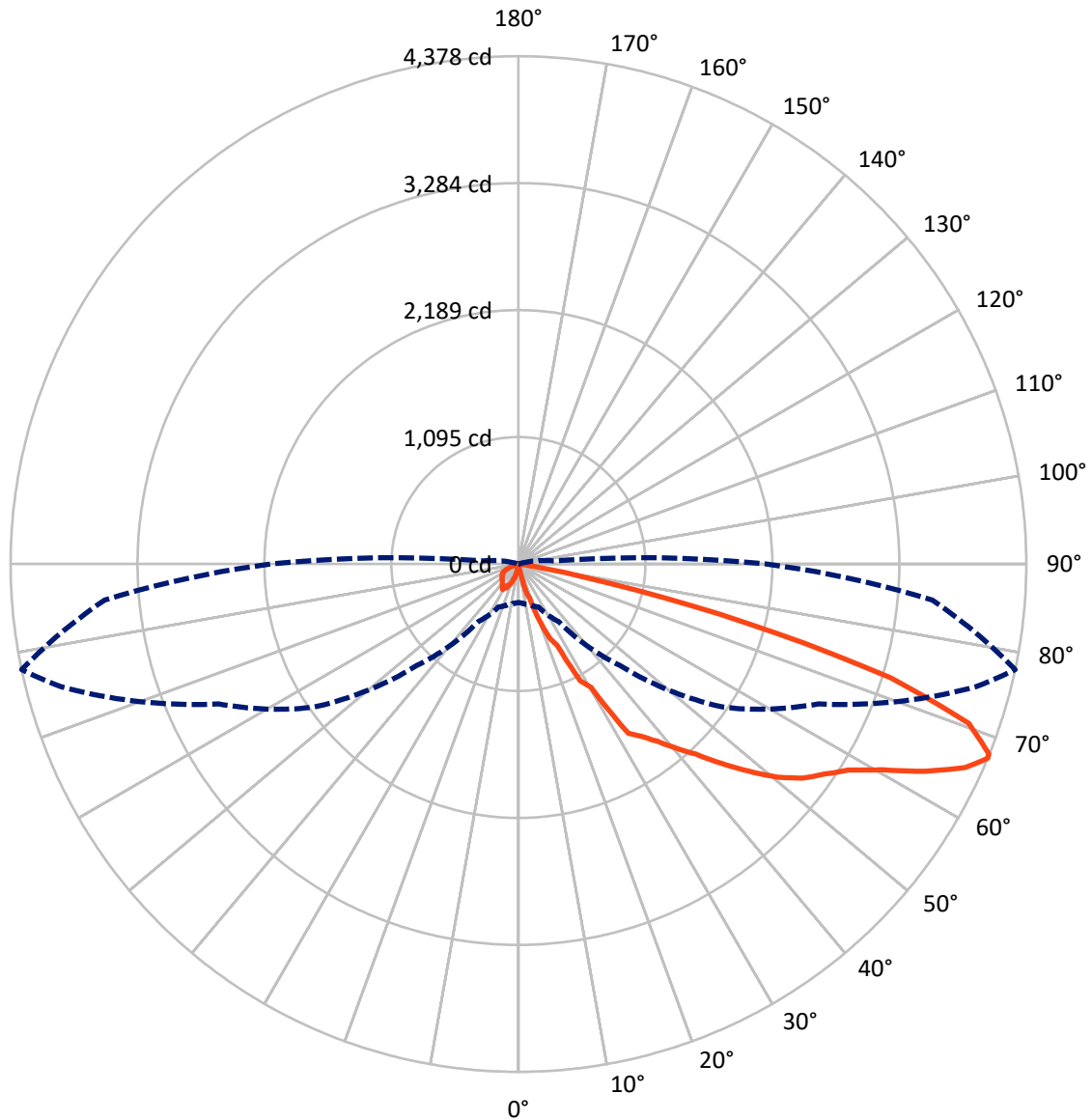
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type II - Medium - Full Cutoff

REPORT NUMBER: P415404
CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T2R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T2R-HSS

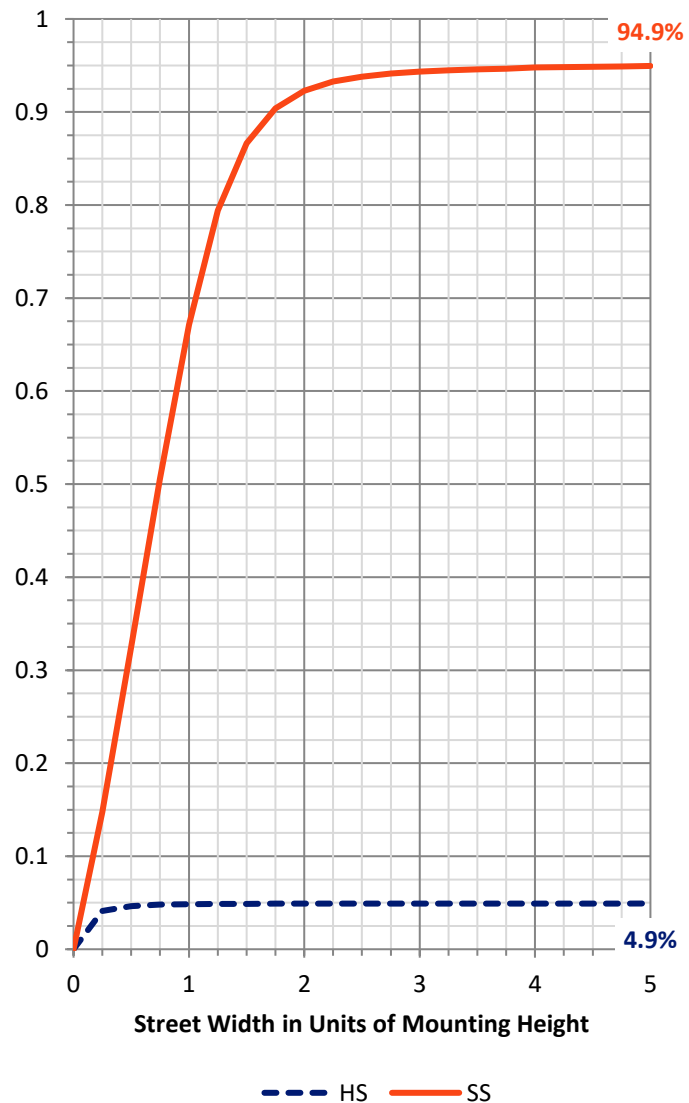
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	212.3	0.0	212.3
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	4073.8	0.0	4073.8
	% Fixture	95.0	0.0	95.0
Total	Lumens	4286.0	0.0	4286.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.1
10°-20°	58.4	1.4
20°-30°	232.7	5.4
30°-40°	592.0	13.8
40°-50°	969.3	22.6
50°-60°	1093.0	25.5
60°-70°	942.5	22.0
70°-80°	379.2	8.8
80°-90°	14.9	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°	4286.0	100.0
0°-180°	4286.0	100.0



REPORT NUMBER: P415404

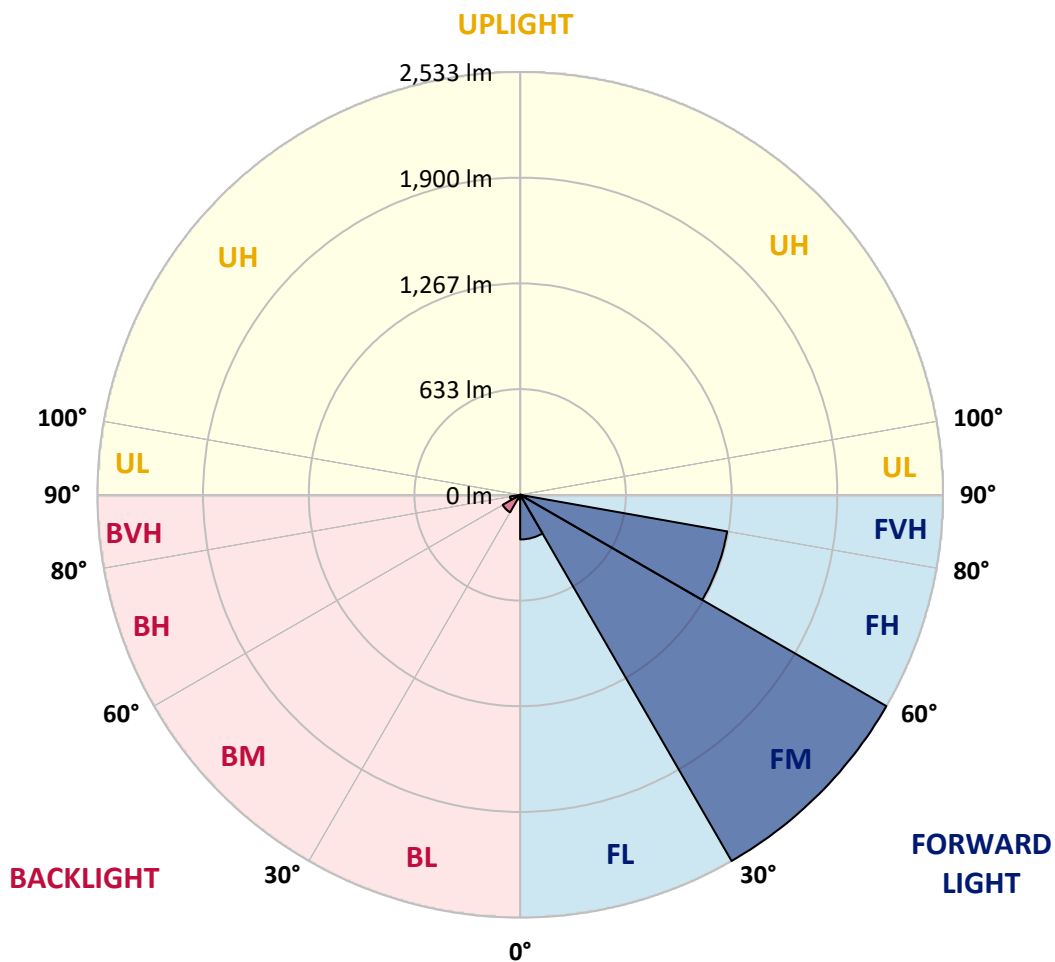
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	267.3	6.2			
FM	(30°-60°)	2533.5	59.1			
FH	(60°-80°)	1259.6	29.4			G1/1800
FVH	(80°-90°)	13.4	0.3			G1/100
BL	(0°-30°)	27.9	0.6	B0/110		
BM	(30°-60°)	120.8	2.8	B0/220		
BH	(60°-80°)	62.0	1.4	B0/110		G0/110
BVH	(80°-90°)	1.5	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





REPORT NUMBER: P415404

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	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°	0.6	0.6	1.2	1.2	2.4	2.4	1.8	1.8	1.8	1.8	1.8
5°	179.5	140.5	99.8	28.9	11.2	5.3	2.4	1.8	1.8	1.8	1.2
7.5°	200.2	198.4	196.0	194.8	191.3	185.4	13.0	2.4	1.8	1.8	1.8
10°	214.3	210.8	210.2	209.6	207.2	202.5	193.7	11.2	1.8	1.8	1.8
12.5°	430.4	428.7	421.6	246.8	222.0	217.3	209.6	150.6	11.8	99.2	107.5
15°	425.1	423.9	428.7	438.1	447.0	238.5	340.7	429.8	263.9	252.7	263.3
17.5°	439.9	439.3	431.6	439.3	452.9	528.4	486.5	468.8	292.9	305.8	281.0
20°	658.9	657.7	664.2	624.7	470.0	658.3	611.1	507.8	575.1	528.4	530.8
22.5°	692.0	694.4	692.6	706.2	816.0	680.2	760.5	789.4	798.9	699.7	604.0
25°	1015.6	1000.8	970.1	749.9	879.8	843.7	966.0	853.2	859.1	774.1	774.1
27.5°	1137.8	1137.8	1112.4	1083.5	933.5	1083.5	1016.7	1120.7	1222.2	1141.9	969.5
30°	1544.0	1532.2	1275.9	1239.3	1162.0	1146.6	1227.5	1315.5	1270.6	1232.8	1090.5
32.5°	1835.7	1836.9	1771.9	1573.5	1381.6	1278.9	1421.8	1451.3	1694.0	1738.3	1478.5
35°	2342.3	2312.8	1995.1	1815.0	1626.1	1557.6	1550.5	1699.9	1839.2	1823.9	1602.5
37.5°	2664.1	2643.4	2489.9	2085.4	1843.4	1689.8	1781.9	1789.0	2014.6	1937.2	1750.7
40°	2811.7	2802.2	2672.3	2328.7	2034.1	1870.5	1900.0	1923.1	2190.5	2084.3	1875.2
42.5°	2930.9	2922.1	2804.0	2450.9	2217.1	2043.5	2032.9	2037.0	2332.8	2239.5	2001.0
45°	2988.2	2982.9	2932.1	2559.0	2296.8	2155.7	2177.5	2151.0	2456.8	2450.9	2140.3
47.5°	2932.7	2935.7	2949.8	2654.6	2355.3	2244.3	2318.1	2275.6	2604.4	2666.4	2297.4
50°	2737.3	2736.1	2817.0	2668.8	2388.9	2315.1	2442.1	2393.1	2779.8	2887.2	2439.1
52.5°	2135.6	2214.1	2507.0	2516.5	2381.2	2350.5	2535.3	2528.3	2945.1	3066.7	2580.8
55°	1607.2	1639.1	1917.2	2182.9	2282.0	2346.4	2568.4	2619.2	3067.3	3197.8	2691.8
57.5°	1262.9	1252.3	1404.7	1759.5	2031.7	2276.7	2560.7	2654.6	3186.6	3351.3	2838.2
60°	924.0	933.5	1054.5	1275.9	1670.9	2118.5	2537.1	2711.9	3375.5	3599.3	3056.1
62.5°	670.1	670.1	753.4	888.6	1280.1	1864.6	2485.7	2792.2	3671.4	3935.9	3315.3
65°	451.1	448.1	510.1	579.2	876.8	1542.8	2347.6	2867.2	3954.8	4231.7	3537.9
67°	331.8	338.3	363.7	409.2	606.4	1235.8	2150.4	2852.4	4085.2	4378.1	3581.6
67.5°	310.6	313.5	348.4	388.5	559.1	1154.3	2094.3	2834.7	4099.4	4374.6	3559.2
70°	225.5	230.3	249.2	261.0	338.3	761.7	1671.5	2556.0	3892.8	4118.3	3236.2
72.5°	121.0	131.1	181.3	180.1	210.2	464.7	1136.6	1897.1	3199.6	3352.5	2484.0
75°	94.5	95.7	108.1	133.4	135.8	258.6	546.7	1102.4	2024.0	2035.2	1379.3
77.5°	69.1	72.0	79.7	84.4	88.6	147.0	191.3	438.1	896.3	782.9	516.6
80°	46.6	48.4	52.5	62.6	72.6	83.3	62.0	116.9	210.8	163.6	77.3
82.5°	20.1	19.5	36.6	52.5	52.0	34.2	31.3	36.6	41.9	38.4	23.6
85°	1.2	1.8	18.9	25.4	21.8	14.8	19.5	15.4	15.9	15.4	11.8
87.5°	0.6	0.6	1.8	2.4	3.0	3.0	3.5	3.5	4.7	5.3	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



REPORT NUMBER: P415404

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T2R-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°	1.8	1.8	1.8	1.8	1.8	0.6	0.6	0.0	0.0	0.0	0.0
5°	1.8	1.8	1.8	1.8	1.8	0.6	0.0	0.0	0.0	0.0	0.0
7.5°	1.8	1.8	1.8	1.8	1.8	0.6	0.0	6.5	17.7	18.9	18.3
10°	1.8	1.8	1.8	1.8	1.2	15.4	21.3	20.1	19.5	18.9	18.9
12.5°	107.5	90.9	16.5	3.5	15.4	19.5	17.1	17.1	16.5	16.5	16.5
15°	235.0	197.2	92.7	31.3	24.2	16.5	15.4	15.4	25.4	27.8	27.2
17.5°	246.2	199.0	90.9	42.5	34.8	21.3	21.3	27.2	26.6	25.4	25.4
20°	468.2	307.0	105.1	41.9	31.9	33.7	25.4	23.6	22.4	21.3	21.3
22.5°	500.7	360.8	112.8	53.1	34.2	33.7	26.0	21.8	27.8	27.2	27.2
25°	646.5	435.7	102.1	49.6	44.3	30.7	27.8	24.2	23.6	22.4	22.4
27.5°	801.2	515.5	112.8	51.4	40.1	30.1	26.0	21.3	22.4	24.8	24.8
30°	878.6	516.0	89.2	52.5	38.4	30.7	23.0	23.6	22.4	21.8	21.3
32.5°	1179.1	662.5	85.6	50.2	36.0	26.6	23.6	20.7	18.9	20.7	20.7
35°	1232.2	639.4	74.4	50.8	32.5	24.2	20.1	18.9	18.9	18.3	18.3
37.5°	1290.7	614.6	65.5	44.9	31.3	21.8	17.1	17.1	16.5	17.7	17.7
40°	1355.1	588.7	58.5	39.0	26.6	18.3	15.4	14.8	15.4	15.4	14.8
42.5°	1430.0	563.3	52.5	34.2	22.4	15.4	12.4	12.4	12.4	11.8	11.8
45°	1510.3	543.2	48.4	29.5	18.9	13.0	10.0	9.4	8.9	8.9	8.9
47.5°	1605.4	534.9	44.9	24.8	15.9	10.0	7.7	7.1	6.5	5.9	5.9
50°	1685.1	531.4	39.6	20.7	13.6	8.3	5.3	4.7	4.1	3.5	3.5
52.5°	1755.4	516.0	34.2	16.5	10.6	5.9	3.5	2.4	1.8	1.8	1.8
55°	1825.0	501.9	29.5	14.2	7.7	3.5	1.8	0.6	0.6	1.2	1.2
57.5°	1911.3	485.9	25.4	11.8	5.9	2.4	1.2	0.0	0.6	0.6	1.2
60°	2046.5	469.4	22.4	10.0	4.1	1.8	0.6	0.0	0.0	0.6	0.6
62.5°	2167.5	440.5	19.5	8.9	3.5	1.8	0.6	0.0	0.0	0.0	0.6
65°	2220.1	380.8	17.1	7.7	3.5	1.8	0.6	0.0	0.0	0.0	0.0
67°	2132.1	308.2	15.4	7.1	3.0	1.2	0.6	0.0	0.0	0.0	0.0
67.5°	2090.7	287.5	15.4	6.5	3.0	1.2	0.6	0.6	0.0	0.0	0.0
70°	1774.9	190.7	13.6	5.9	3.0	1.2	1.2	0.6	0.0	0.0	0.0
72.5°	1362.1	111.0	11.8	5.3	3.0	1.2	1.2	0.6	0.6	0.0	0.0
75°	761.7	56.1	9.4	5.3	3.0	1.8	1.8	1.2	1.2	1.2	0.0
77.5°	243.9	30.7	7.1	4.7	3.0	1.8	1.8	1.2	1.8	1.8	0.6
80°	38.4	15.9	5.3	3.5	3.0	1.2	1.8	1.8	2.4	2.4	0.6
82.5°	14.2	8.9	4.1	3.5	3.0	1.2	1.8	1.8	2.4	3.0	0.0
85°	6.5	5.3	4.1	3.5	3.0	1.2	1.8	1.8	2.4	3.0	0.0
87.5°	3.0	4.1	3.5	3.5	3.0	1.2	1.8	1.8	2.4	2.4	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)