

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: P414052

Luminaire Tested: **LXF.LXT-PA1-100-830-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414052
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-PA1-100-830-U-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1200mA 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: 6298 lumens
Efficiency: N/A
Efficacy: 65.6 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 - 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

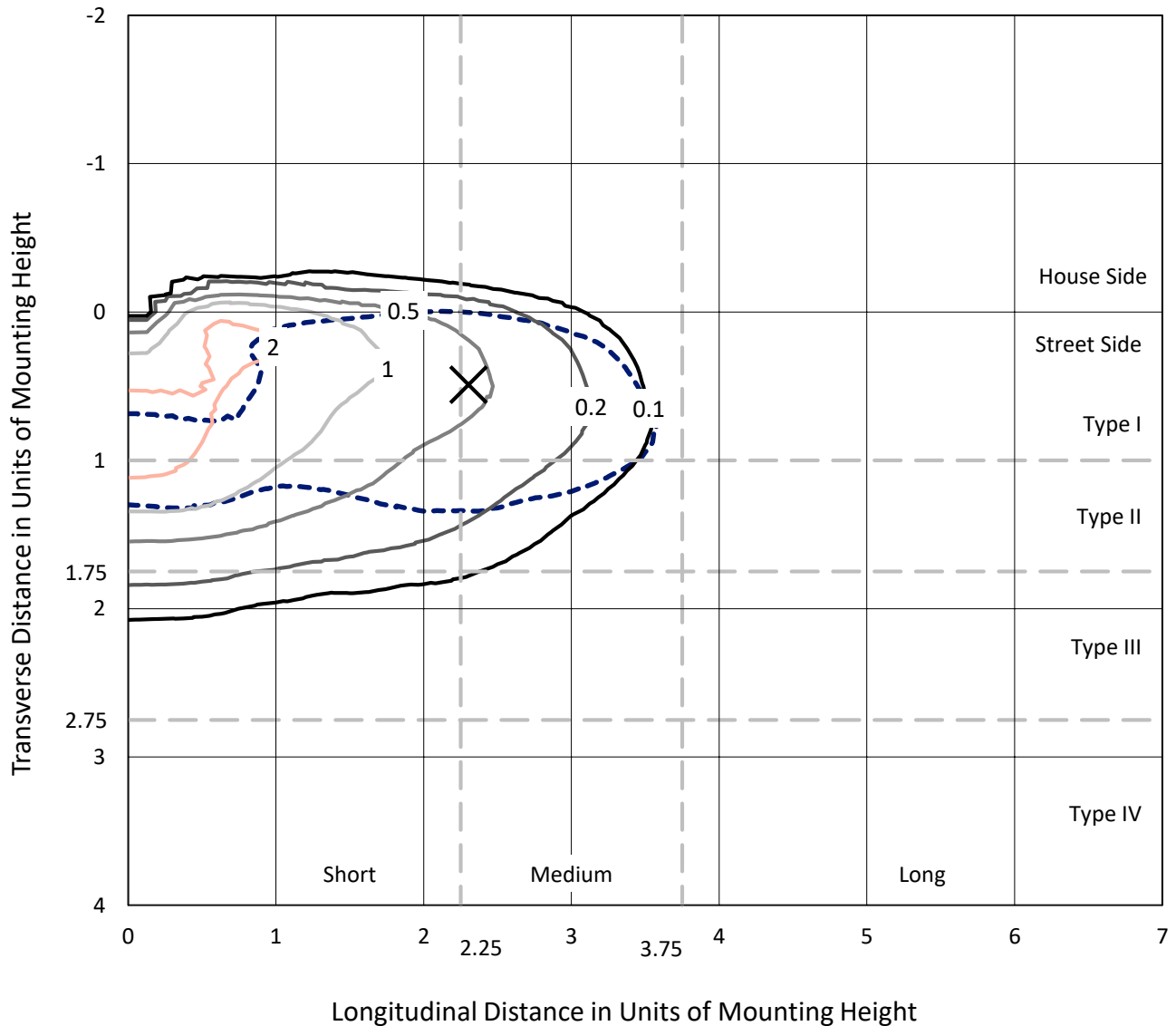


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

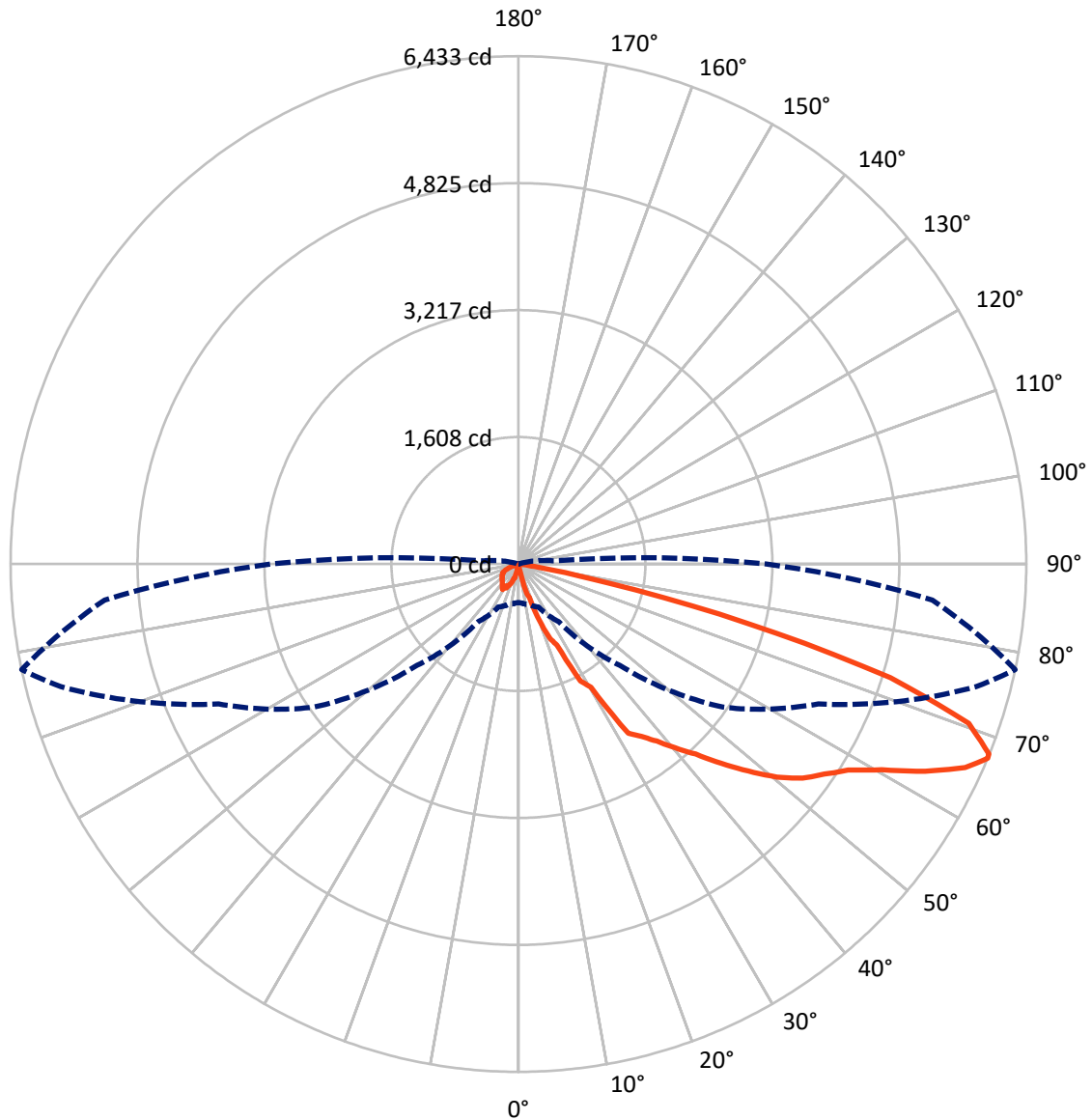


Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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

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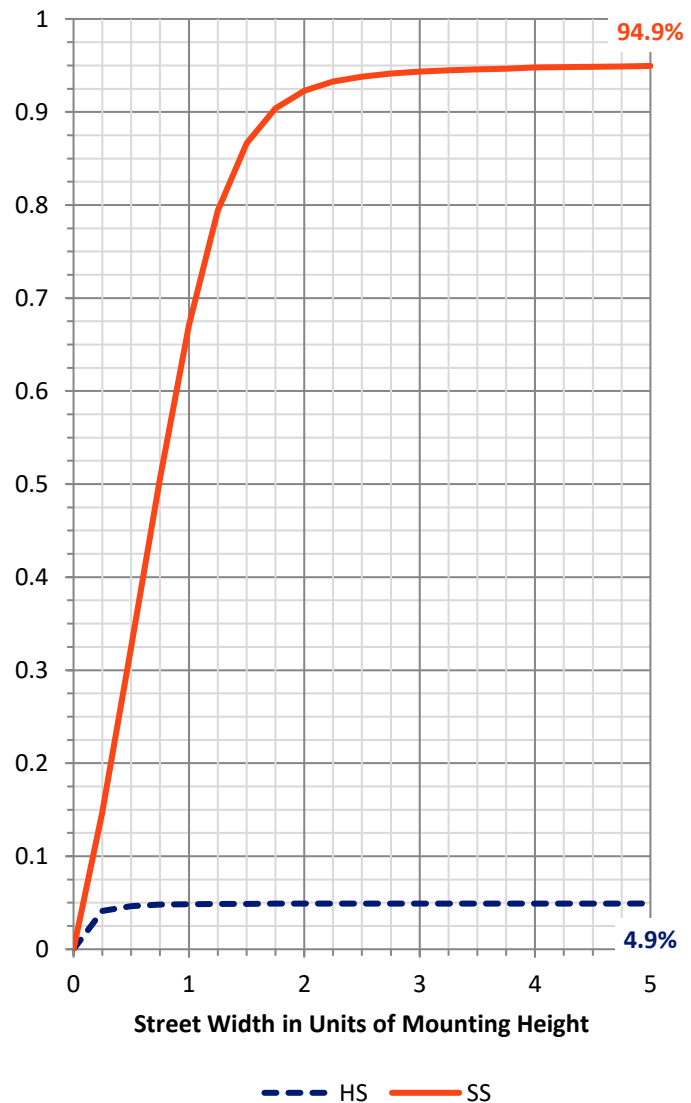
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	311.9	0.0	311.9
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	5986.1	0.0	5986.1
	% Fixture	95.0	0.0	95.0
Total	Lumens	6298.0	0.0	6298.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.1
10°-20°	85.8	1.4
20°-30°	342.0	5.4
30°-40°	869.9	13.8
40°-50°	1424.3	22.6
50°-60°	1606.1	25.5
60°-70°	1385.0	22.0
70°-80°	557.1	8.8
80°-90°	21.8	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°	6298.0	100.0
0°-180°	6298.0	100.0



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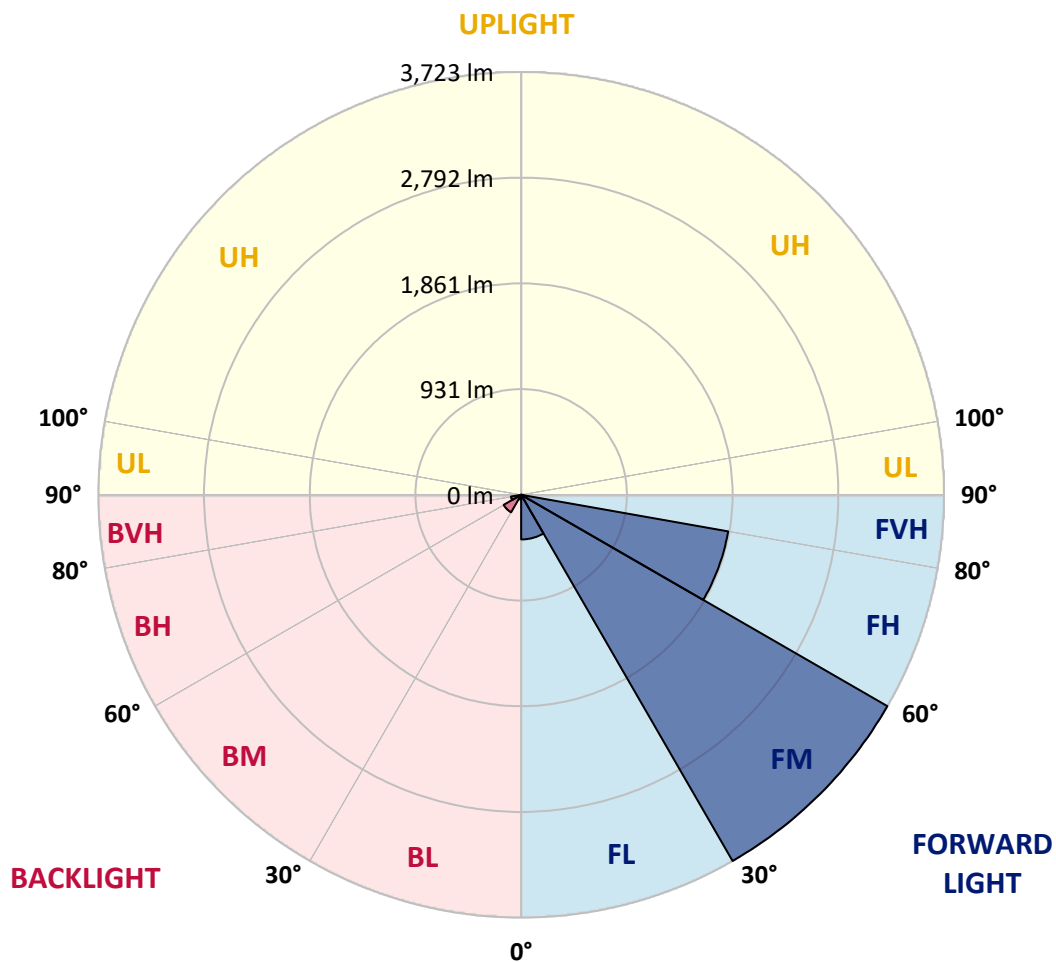
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	392.8	6.2			
FM (30°-60°)	3722.8	59.1			
FH (60°-80°)	1851.0	29.4			G2/5000
FVH (80°-90°)	19.6	0.3			G1/100
BL (0°-30°)	40.9	0.6	B0/110		
BM (30°-60°)	177.6	2.8	B0/220		
BH (60°-80°)	91.2	1.4	B0/110		G0/110
BVH (80°-90°)	2.2	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-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	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°	0.9	0.9	1.7	1.7	3.5	3.5	2.6	2.6	2.6	2.6	2.6
5°	263.8	206.5	146.6	42.5	16.5	7.8	3.5	2.6	2.6	2.6	1.7
7.5°	294.1	291.5	288.0	286.3	281.1	272.4	19.1	3.5	2.6	2.6	2.6
10°	314.9	309.7	308.9	308.0	304.5	297.6	284.6	16.5	2.6	2.6	2.6
12.5°	632.5	629.9	619.5	362.7	326.2	319.3	308.0	221.2	17.4	145.8	157.9
15°	624.7	622.9	629.9	643.8	656.8	350.5	500.6	631.6	387.8	371.3	387.0
17.5°	646.4	645.5	634.2	645.5	665.5	776.5	714.9	688.9	430.3	449.4	413.0
20°	968.3	966.5	976.1	917.9	690.6	967.4	898.0	746.1	845.1	776.5	780.0
22.5°	1016.8	1020.3	1017.7	1037.7	1199.0	999.5	1117.5	1160.0	1173.9	1028.1	887.6
25°	1492.3	1470.6	1425.5	1101.9	1292.7	1239.8	1419.4	1253.7	1262.4	1137.4	1137.4
27.5°	1671.9	1671.9	1634.6	1592.1	1371.7	1592.1	1494.0	1646.7	1796.0	1678.0	1424.6
30°	2268.8	2251.5	1874.9	1821.1	1707.5	1684.9	1803.8	1933.0	1867.1	1811.6	1602.5
32.5°	2697.4	2699.1	2603.7	2312.2	2030.2	1879.2	2089.2	2132.6	2489.2	2554.3	2172.5
35°	3441.8	3398.4	2931.7	2667.0	2389.4	2288.8	2278.3	2497.9	2702.6	2680.1	2354.7
37.5°	3914.7	3884.3	3658.7	3064.4	2708.7	2483.1	2618.5	2628.9	2960.3	2846.6	2572.5
40°	4131.6	4117.7	3926.8	3421.9	2988.9	2748.6	2792.0	2825.8	3218.8	3062.7	2755.5
42.5°	4306.8	4293.8	4120.3	3601.5	3257.9	3002.8	2987.2	2993.3	3427.9	3290.9	2940.3
45°	4391.0	4383.2	4308.6	3760.2	3375.0	3167.7	3199.8	3160.7	3610.1	3601.5	3145.1
47.5°	4309.4	4313.8	4334.6	3900.8	3460.9	3297.8	3406.2	3343.8	3827.0	3918.1	3375.9
50°	4022.3	4020.5	4139.4	3921.6	3510.4	3401.9	3588.4	3516.4	4084.7	4242.6	3584.1
52.5°	3138.2	3253.5	3683.9	3697.8	3499.1	3454.0	3725.5	3715.1	4327.7	4506.4	3792.3
55°	2361.6	2408.5	2817.1	3207.6	3353.3	3447.9	3774.1	3848.7	4507.2	4699.0	3955.4
57.5°	1855.8	1840.2	2064.0	2585.5	2985.5	3345.5	3762.8	3900.8	4682.5	4924.6	4170.6
60°	1357.8	1371.7	1549.6	1874.9	2455.3	3113.0	3728.1	3984.9	4960.1	5289.0	4490.8
62.5°	984.7	984.7	1107.1	1305.8	1881.0	2739.9	3652.6	4102.9	5394.8	5783.5	4871.6
65°	662.9	658.5	749.6	851.1	1288.4	2267.1	3449.6	4213.1	5811.3	6218.2	5198.7
67°	487.6	497.1	534.4	601.3	891.0	1815.9	3159.8	4191.4	6003.0	6433.3	5262.9
67.5°	456.4	460.7	511.9	570.9	821.6	1696.2	3077.4	4165.4	6023.8	6428.1	5230.0
70°	331.4	338.4	366.1	383.5	497.1	1119.2	2456.2	3755.9	5720.2	6051.6	4755.4
72.5°	177.9	192.6	266.4	264.6	308.9	682.8	1670.2	2787.6	4701.6	4926.3	3650.0
75°	138.8	140.6	158.8	196.1	199.6	380.0	803.4	1619.8	2974.2	2990.7	2026.7
77.5°	101.5	105.8	117.1	124.1	130.1	216.0	281.1	643.8	1317.0	1150.5	759.2
80°	68.5	71.1	77.2	92.0	106.7	122.3	91.1	171.8	309.7	240.3	113.7
82.5°	29.5	28.6	53.8	77.2	76.3	50.3	46.0	53.8	61.6	56.4	34.7
85°	1.7	2.6	27.8	37.3	32.1	21.7	28.6	22.6	23.4	22.6	17.4
87.5°	0.9	0.9	2.6	3.5	4.3	4.3	5.2	5.2	6.9	7.8	6.9
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	2.6	2.6	2.6	2.6	2.6	0.9	0.9	0.0	0.0	0.0	0.0
5°	2.6	2.6	2.6	2.6	2.6	0.9	0.0	0.0	0.0	0.0	0.0
7.5°	2.6	2.6	2.6	2.6	2.6	0.9	0.0	9.5	26.0	27.8	26.9
10°	2.6	2.6	2.6	2.6	1.7	22.6	31.2	29.5	28.6	27.8	27.8
12.5°	157.9	133.6	24.3	5.2	22.6	28.6	25.2	25.2	24.3	24.3	24.3
15°	345.3	289.8	136.2	46.0	35.6	24.3	22.6	22.6	37.3	40.8	39.9
17.5°	361.8	292.4	133.6	62.5	51.2	31.2	31.2	39.9	39.0	37.3	37.3
20°	688.0	451.2	154.4	61.6	46.9	49.5	37.3	34.7	33.0	31.2	31.2
22.5°	735.7	530.1	165.7	78.1	50.3	49.5	38.2	32.1	40.8	39.9	39.9
25°	950.0	640.3	150.1	72.9	65.1	45.1	40.8	35.6	34.7	33.0	33.0
27.5°	1177.3	757.4	165.7	75.5	59.0	44.2	38.2	31.2	33.0	36.4	36.4
30°	1291.0	758.3	131.0	77.2	56.4	45.1	33.8	34.7	33.0	32.1	31.2
32.5°	1732.6	973.5	125.8	73.7	52.9	39.0	34.7	30.4	27.8	30.4	30.4
35°	1810.7	939.6	109.3	74.6	47.7	35.6	29.5	27.8	27.8	26.9	26.9
37.5°	1896.6	903.2	96.3	65.9	46.0	32.1	25.2	25.2	24.3	26.0	26.0
40°	1991.2	865.0	85.9	57.3	39.0	26.9	22.6	21.7	22.6	22.6	21.7
42.5°	2101.4	827.7	77.2	50.3	33.0	22.6	18.2	18.2	18.2	17.4	17.4
45°	2219.4	798.2	71.1	43.4	27.8	19.1	14.7	13.9	13.0	13.0	13.0
47.5°	2359.0	786.1	65.9	36.4	23.4	14.7	11.3	10.4	9.5	8.7	8.7
50°	2476.2	780.9	58.1	30.4	20.0	12.1	7.8	6.9	6.1	5.2	5.2
52.5°	2579.4	758.3	50.3	24.3	15.6	8.7	5.2	3.5	2.6	2.6	2.6
55°	2681.8	737.5	43.4	20.8	11.3	5.2	2.6	0.9	0.9	1.7	1.7
57.5°	2808.5	714.0	37.3	17.4	8.7	3.5	1.7	0.0	0.9	0.9	1.7
60°	3007.1	689.8	33.0	14.7	6.1	2.6	0.9	0.0	0.0	0.9	0.9
62.5°	3185.0	647.2	28.6	13.0	5.2	2.6	0.9	0.0	0.0	0.0	0.9
65°	3262.2	559.6	25.2	11.3	5.2	2.6	0.9	0.0	0.0	0.0	0.0
67°	3132.9	452.9	22.6	10.4	4.3	1.7	0.9	0.0	0.0	0.0	0.0
67.5°	3072.2	422.5	22.6	9.5	4.3	1.7	0.9	0.9	0.0	0.0	0.0
70°	2608.0	280.2	20.0	8.7	4.3	1.7	1.7	0.9	0.0	0.0	0.0
72.5°	2001.6	163.1	17.4	7.8	4.3	1.7	1.7	0.9	0.9	0.0	0.0
75°	1119.2	82.4	13.9	7.8	4.3	2.6	2.6	1.7	1.7	1.7	0.0
77.5°	358.3	45.1	10.4	6.9	4.3	2.6	2.6	1.7	2.6	2.6	0.9
80°	56.4	23.4	7.8	5.2	4.3	1.7	2.6	2.6	3.5	3.5	0.9
82.5°	20.8	13.0	6.1	5.2	4.3	1.7	2.6	2.6	3.5	4.3	0.0
85°	9.5	7.8	6.1	5.2	4.3	1.7	2.6	2.6	3.5	4.3	0.0
87.5°	4.3	6.1	5.2	5.2	4.3	1.7	2.6	2.6	3.5	3.5	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)