

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: P416652

Luminaire Tested: **LXF.LXT-PA1-80-727-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416652
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-PA1-80-727-U-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA 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: 6071 lumens
Efficiency: N/A
Efficacy: 73.1 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

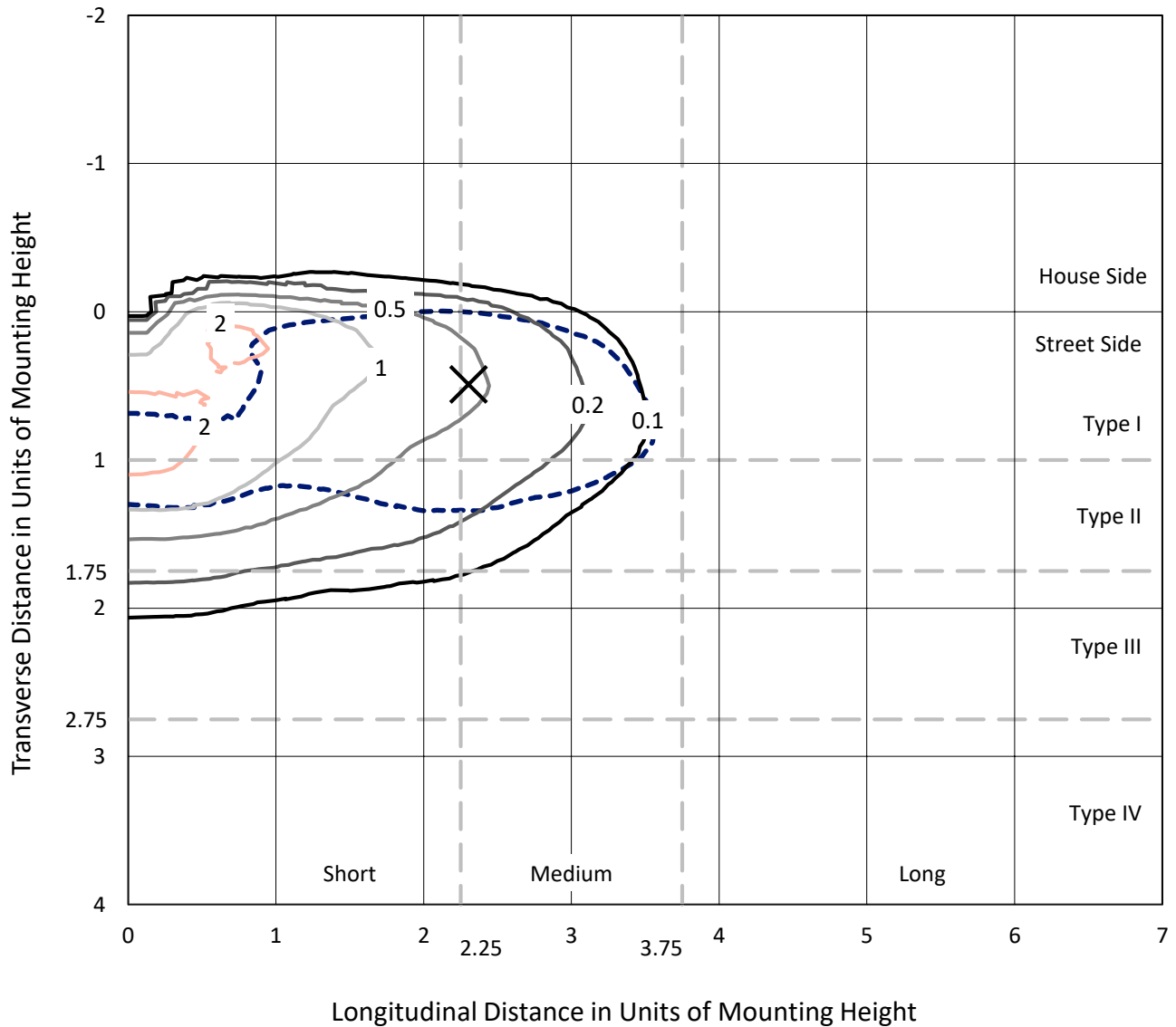
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

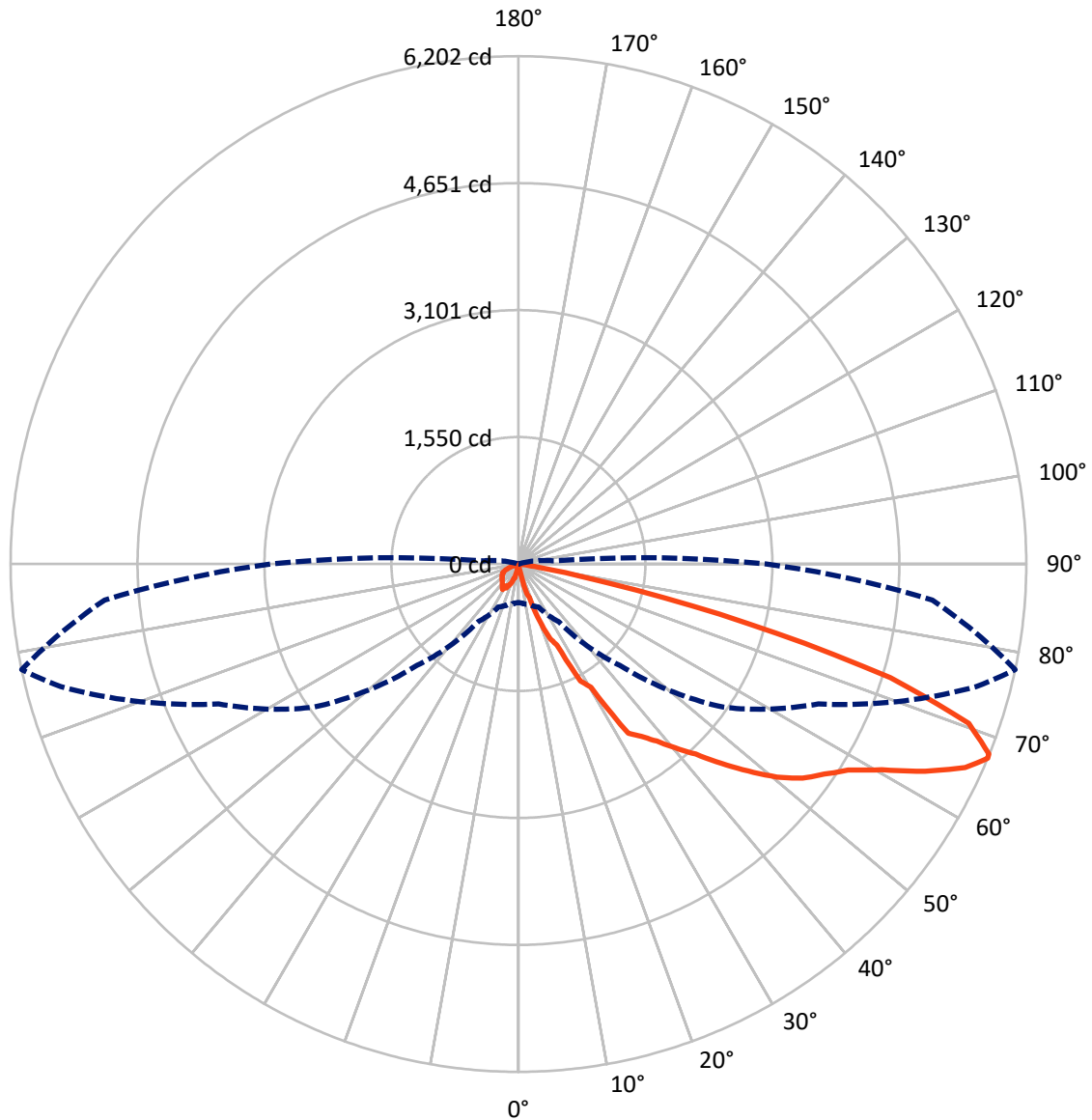
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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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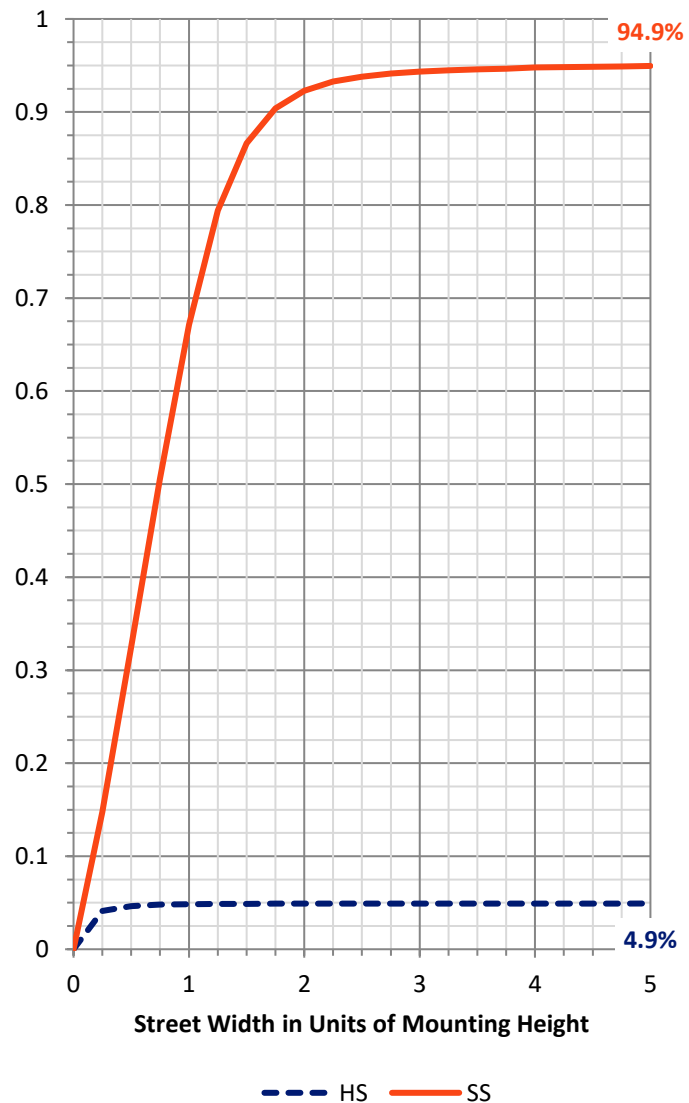
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	300.6	0.0	300.6
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	5770.4	0.0	5770.4
	% Fixture	95.0	0.0	95.0
Total	Lumens	6071.0	0.0	6071.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.1
10°-20°	82.7	1.4
20°-30°	329.6	5.4
30°-40°	838.6	13.8
40°-50°	1373.0	22.6
50°-60°	1548.2	25.5
60°-70°	1335.1	22.0
70°-80°	537.1	8.8
80°-90°	21.0	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°	6071.0	100.0
0°-180°	6071.0	100.0

Coefficient of Utilization



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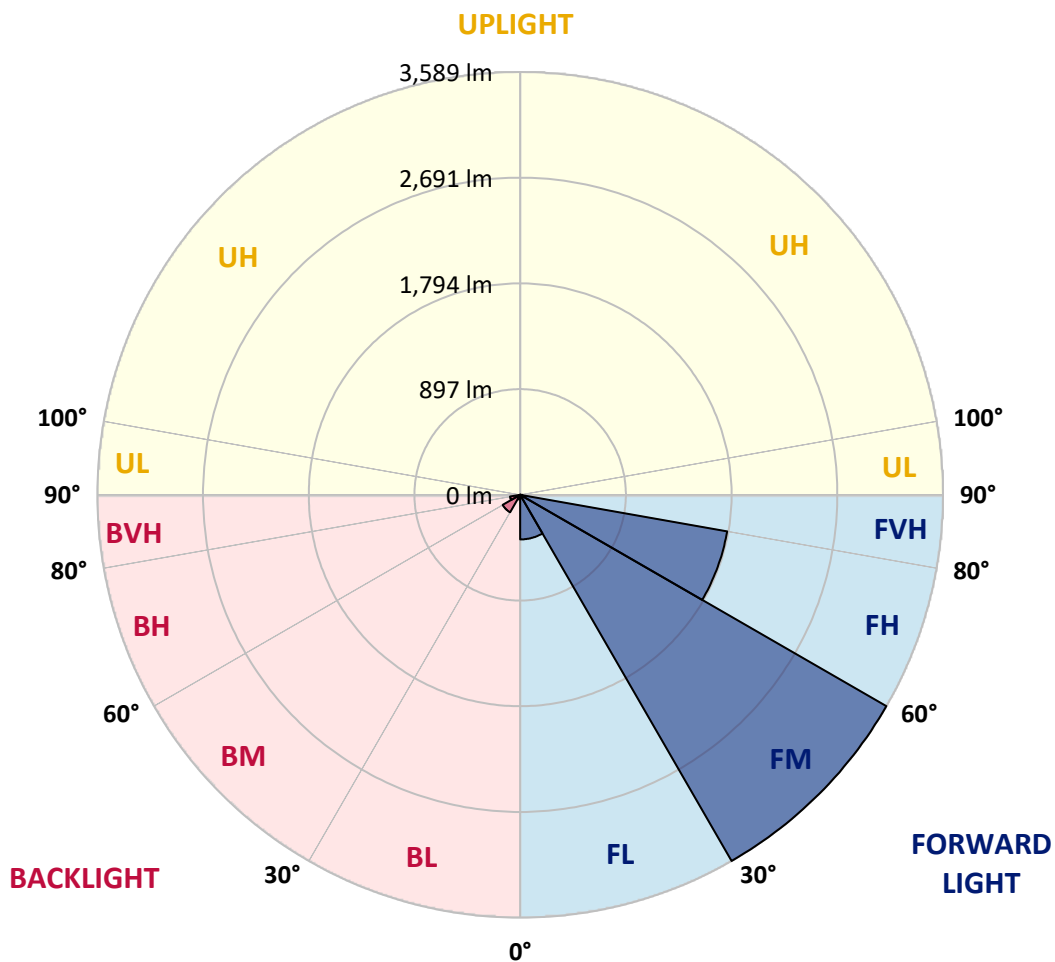
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	378.6	6.2			
FM	(30°-60°)	3588.6	59.1			
FH	(60°-80°)	1784.3	29.4			G1/1800
FVH	(80°-90°)	18.9	0.3			G1/100
BL	(0°-30°)	39.5	0.6	B0/110		
BM	(30°-60°)	171.2	2.8	B0/220		
BH	(60°-80°)	87.9	1.4	B0/110		G0/110
BVH	(80°-90°)	2.1	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





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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°	0.8	0.8	1.7	1.7	3.3	3.3	2.5	2.5	2.5	2.5	2.5
5°	254.2	199.0	141.3	41.0	15.9	7.5	3.3	2.5	2.5	2.5	1.7
7.5°	283.5	281.0	277.7	276.0	271.0	262.6	18.4	3.3	2.5	2.5	2.5
10°	303.6	298.6	297.7	296.9	293.6	286.9	274.3	15.9	2.5	2.5	2.5
12.5°	609.7	607.2	597.1	349.6	314.5	307.8	296.9	213.3	16.7	140.5	152.2
15°	602.2	600.5	607.2	620.6	633.1	337.9	482.6	608.9	373.8	358.0	373.0
17.5°	623.1	622.2	611.4	622.2	641.5	748.5	689.1	664.1	414.8	433.2	398.1
20°	933.4	931.7	940.9	884.8	665.7	932.5	865.6	719.3	814.6	748.5	751.9
22.5°	980.2	983.5	981.0	1000.3	1155.8	963.5	1077.2	1118.2	1131.6	991.1	855.6
25°	1438.5	1417.6	1374.1	1062.2	1246.1	1195.1	1368.3	1208.5	1216.9	1096.4	1096.4
27.5°	1611.6	1611.6	1575.7	1534.7	1322.3	1534.7	1440.2	1587.4	1731.2	1617.5	1373.3
30°	2187.0	2170.3	1807.3	1755.5	1645.9	1624.2	1738.8	1863.4	1799.8	1746.3	1544.7
32.5°	2600.2	2601.9	2509.9	2228.8	1957.0	1811.5	2013.9	2055.7	2399.5	2462.2	2094.2
35°	3317.8	3275.9	2826.0	2570.9	2303.3	2206.3	2196.2	2407.8	2605.2	2583.5	2269.8
37.5°	3773.6	3744.3	3526.8	2954.0	2611.1	2393.6	2524.1	2534.1	2853.6	2744.0	2479.8
40°	3982.7	3969.3	3785.3	3298.5	2881.2	2649.5	2691.3	2724.0	3102.8	2952.3	2656.2
42.5°	4151.6	4139.1	3971.8	3471.7	3140.5	2894.6	2879.5	2885.4	3304.4	3172.2	2834.4
45°	4232.7	4225.2	4153.3	3624.7	3253.4	3053.5	3084.4	3046.8	3480.0	3471.7	3031.7
47.5°	4154.1	4158.3	4178.4	3760.2	3336.2	3178.9	3283.5	3223.3	3689.1	3776.9	3254.2
50°	3877.3	3875.6	3990.2	3780.3	3383.8	3279.3	3459.1	3389.7	3937.5	4089.7	3454.9
52.5°	3025.0	3136.3	3551.1	3564.5	3373.0	3329.5	3591.2	3581.2	4171.7	4344.0	3655.6
55°	2276.5	2321.7	2715.6	3092.0	3232.5	3323.6	3638.1	3710.0	4344.8	4529.6	3812.9
57.5°	1788.9	1773.9	1989.7	2492.3	2877.8	3224.9	3627.2	3760.2	4513.7	4747.1	4020.3
60°	1308.9	1322.3	1493.7	1807.3	2366.8	3000.8	3593.8	3841.3	4781.4	5098.3	4328.9
62.5°	949.2	949.2	1067.2	1258.7	1813.2	2641.2	3521.0	3955.1	5200.4	5575.0	4696.1
65°	639.0	634.8	722.6	820.5	1242.0	2185.4	3325.3	4061.3	5601.8	5994.1	5011.4
67°	470.0	479.2	515.2	579.6	858.9	1750.5	3046.0	4040.4	5786.6	6201.5	5073.2
67.5°	439.9	444.1	493.4	550.3	792.0	1635.0	2966.5	4015.3	5806.7	6196.4	5041.5
70°	319.5	326.2	352.9	369.7	479.2	1078.9	2367.7	3620.5	5514.0	5833.5	4584.0
72.5°	171.4	185.7	256.8	255.1	297.7	658.2	1610.0	2687.2	4532.1	4748.7	3518.5
75°	133.8	135.5	153.1	189.0	192.4	366.3	774.5	1561.4	2867.0	2882.9	1953.7
77.5°	97.9	102.0	112.9	119.6	125.5	208.2	271.0	620.6	1269.6	1109.0	731.8
80°	66.1	68.6	74.4	88.7	102.9	117.9	87.8	165.6	298.6	231.7	109.6
82.5°	28.4	27.6	51.9	74.4	73.6	48.5	44.3	51.9	59.4	54.4	33.5
85°	1.7	2.5	26.8	36.0	30.9	20.9	27.6	21.7	22.6	21.7	16.7
87.5°	0.8	0.8	2.5	3.3	4.2	4.2	5.0	5.0	6.7	7.5	6.7
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°	2.5	2.5	2.5	2.5	2.5	0.8	0.8	0.0	0.0	0.0	0.0
5°	2.5	2.5	2.5	2.5	2.5	0.8	0.0	0.0	0.0	0.0	0.0
7.5°	2.5	2.5	2.5	2.5	2.5	0.8	0.0	9.2	25.1	26.8	25.9
10°	2.5	2.5	2.5	2.5	1.7	21.7	30.1	28.4	27.6	26.8	26.8
12.5°	152.2	128.8	23.4	5.0	21.7	27.6	24.3	24.3	23.4	23.4	23.4
15°	332.9	279.3	131.3	44.3	34.3	23.4	21.7	21.7	36.0	39.3	38.5
17.5°	348.8	281.8	128.8	60.2	49.3	30.1	30.1	38.5	37.6	36.0	36.0
20°	663.2	434.9	148.9	59.4	45.2	47.7	36.0	33.5	31.8	30.1	30.1
22.5°	709.2	511.0	159.7	75.3	48.5	47.7	36.8	30.9	39.3	38.5	38.5
25°	915.8	617.2	144.7	70.3	62.7	43.5	39.3	34.3	33.5	31.8	31.8
27.5°	1134.9	730.1	159.7	72.8	56.9	42.7	36.8	30.1	31.8	35.1	35.1
30°	1244.5	731.0	126.3	74.4	54.4	43.5	32.6	33.5	31.8	30.9	30.1
32.5°	1670.2	938.4	121.3	71.1	51.0	37.6	33.5	29.3	26.8	29.3	29.3
35°	1745.4	905.8	105.4	71.9	46.0	34.3	28.4	26.8	26.8	25.9	25.9
37.5°	1828.2	870.6	92.8	63.6	44.3	30.9	24.3	24.3	23.4	25.1	25.1
40°	1919.4	833.8	82.8	55.2	37.6	25.9	21.7	20.9	21.7	21.7	20.9
42.5°	2025.6	797.9	74.4	48.5	31.8	21.7	17.6	17.6	17.6	16.7	16.7
45°	2139.4	769.4	68.6	41.8	26.8	18.4	14.2	13.4	12.5	12.5	12.5
47.5°	2274.0	757.7	63.6	35.1	22.6	14.2	10.9	10.0	9.2	8.4	8.4
50°	2386.9	752.7	56.0	29.3	19.2	11.7	7.5	6.7	5.9	5.0	5.0
52.5°	2486.4	731.0	48.5	23.4	15.1	8.4	5.0	3.3	2.5	2.5	2.5
55°	2585.1	710.9	41.8	20.1	10.9	5.0	2.5	0.8	0.8	1.7	1.7
57.5°	2707.2	688.3	36.0	16.7	8.4	3.3	1.7	0.0	0.8	0.8	1.7
60°	2898.8	664.9	31.8	14.2	5.9	2.5	0.8	0.0	0.0	0.8	0.8
62.5°	3070.2	623.9	27.6	12.5	5.0	2.5	0.8	0.0	0.0	0.0	0.8
65°	3144.6	539.4	24.3	10.9	5.0	2.5	0.8	0.0	0.0	0.0	0.0
67°	3020.0	436.6	21.7	10.0	4.2	1.7	0.8	0.0	0.0	0.0	0.0
67.5°	2961.5	407.3	21.7	9.2	4.2	1.7	0.8	0.8	0.0	0.0	0.0
70°	2514.0	270.1	19.2	8.4	4.2	1.7	1.7	0.8	0.0	0.0	0.0
72.5°	1929.4	157.2	16.7	7.5	4.2	1.7	1.7	0.8	0.8	0.0	0.0
75°	1078.9	79.5	13.4	7.5	4.2	2.5	2.5	1.7	1.7	1.7	0.0
77.5°	345.4	43.5	10.0	6.7	4.2	2.5	2.5	1.7	2.5	2.5	0.8
80°	54.4	22.6	7.5	5.0	4.2	1.7	2.5	2.5	3.3	3.3	0.8
82.5°	20.1	12.5	5.9	5.0	4.2	1.7	2.5	2.5	3.3	4.2	0.0
85°	9.2	7.5	5.9	5.0	4.2	1.7	2.5	2.5	3.3	4.2	0.0
87.5°	4.2	5.9	5.0	5.0	4.2	1.7	2.5	2.5	3.3	3.3	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)