

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: P254206

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T2U-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254206
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-17-90°)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-60-D-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
PHOTOMETRIC DATA REPORTED FOR LOWER HEMISPHERE ONLY. MINIMAL LIGHT IN
UPPER HEMISPHERE NOT REPORTED TO PROVIDE RELEVANT COMPARISON TO
COMPETITIVE OFFERINGS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4578.7 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

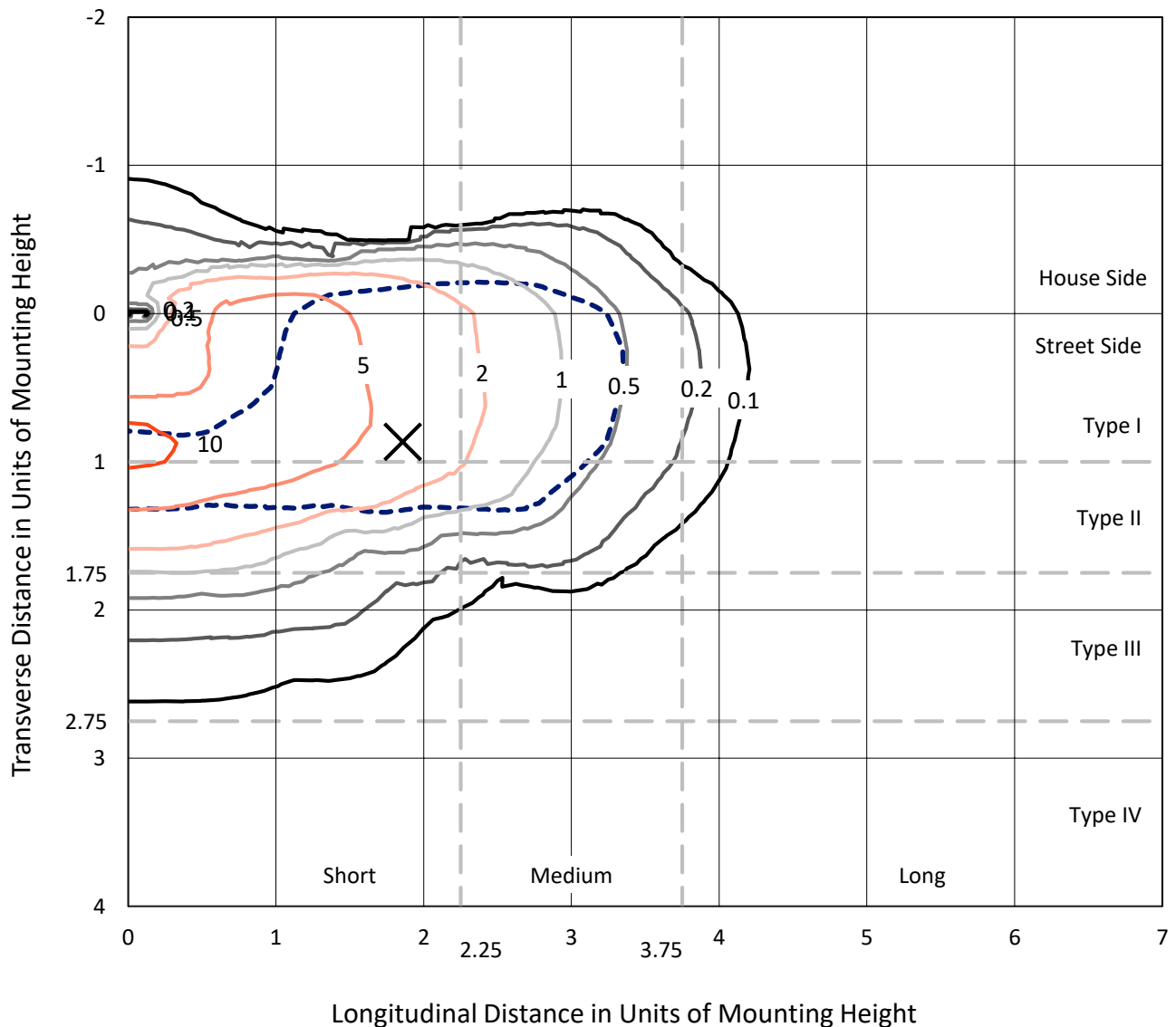
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

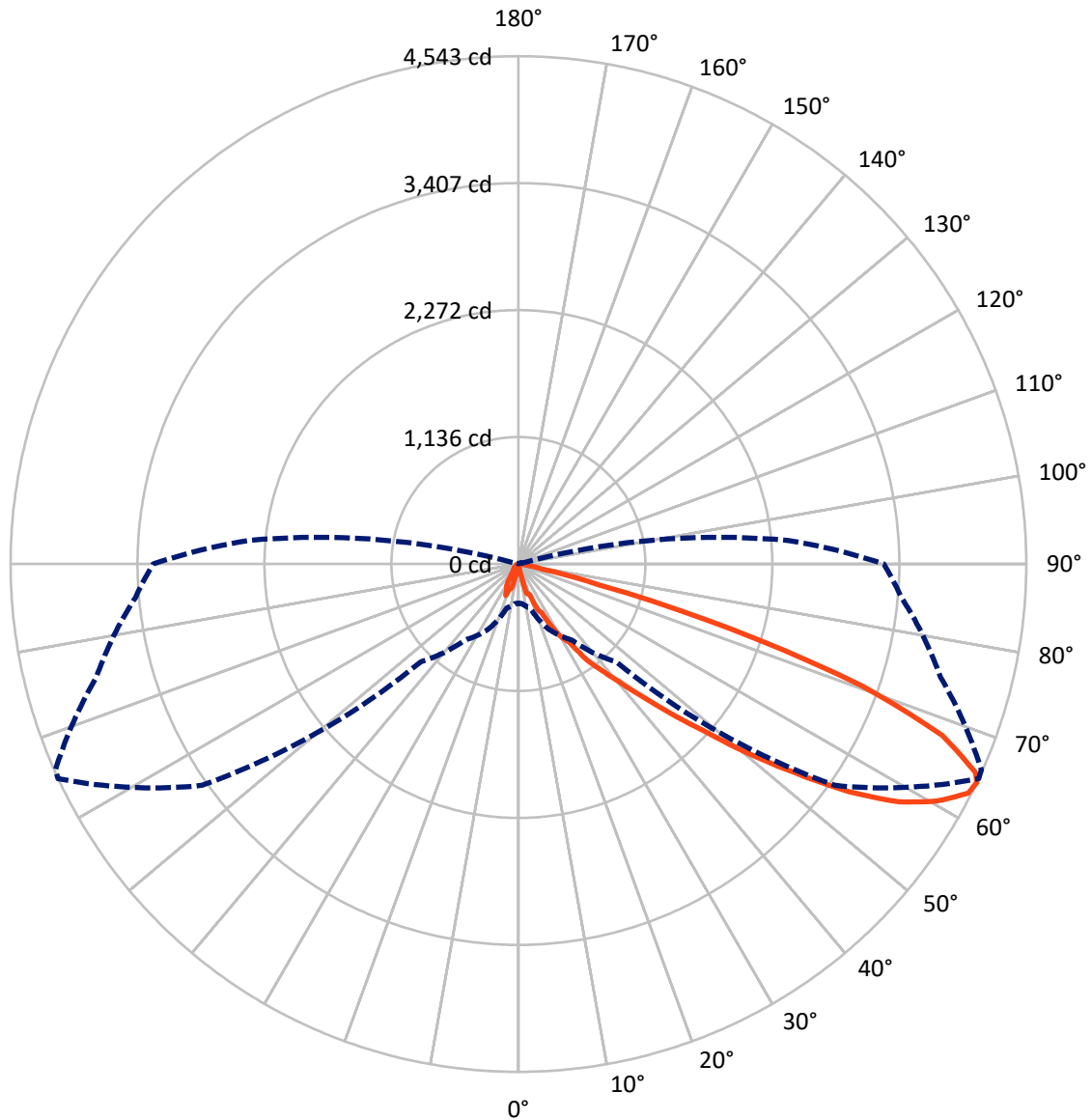


Based on 10 foot mounting height. Maximum calculated value = 11.6 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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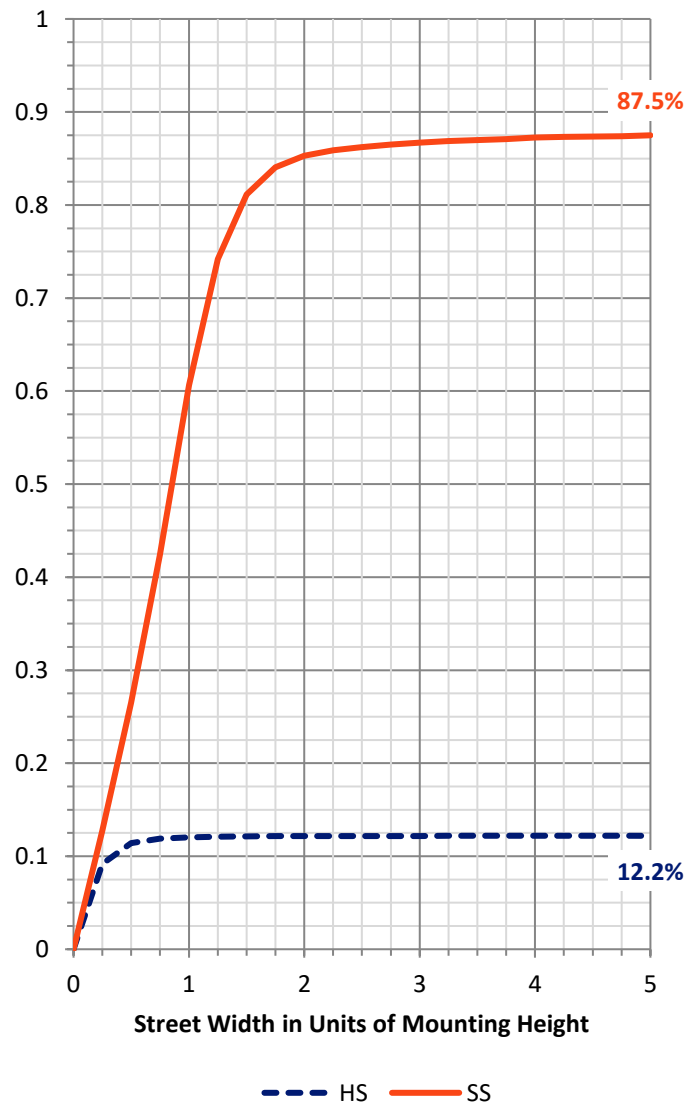
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	564.4	0.0	564.4
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	4014.3	0.0	4014.3
	% Fixture	87.7	0.0	87.7
Total	Lumens	4578.7	0.0	4578.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.1
10°-20°	45.7	1.0
20°-30°	155.4	3.4
30°-40°	436.0	9.5
40°-50°	1012.4	22.1
50°-60°	1415.1	30.9
60°-70°	1116.3	24.4
70°-80°	373.8	8.2
80°-90°	20.4	0.4
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°	4578.7	100.0
0°-180°	4578.7	100.0



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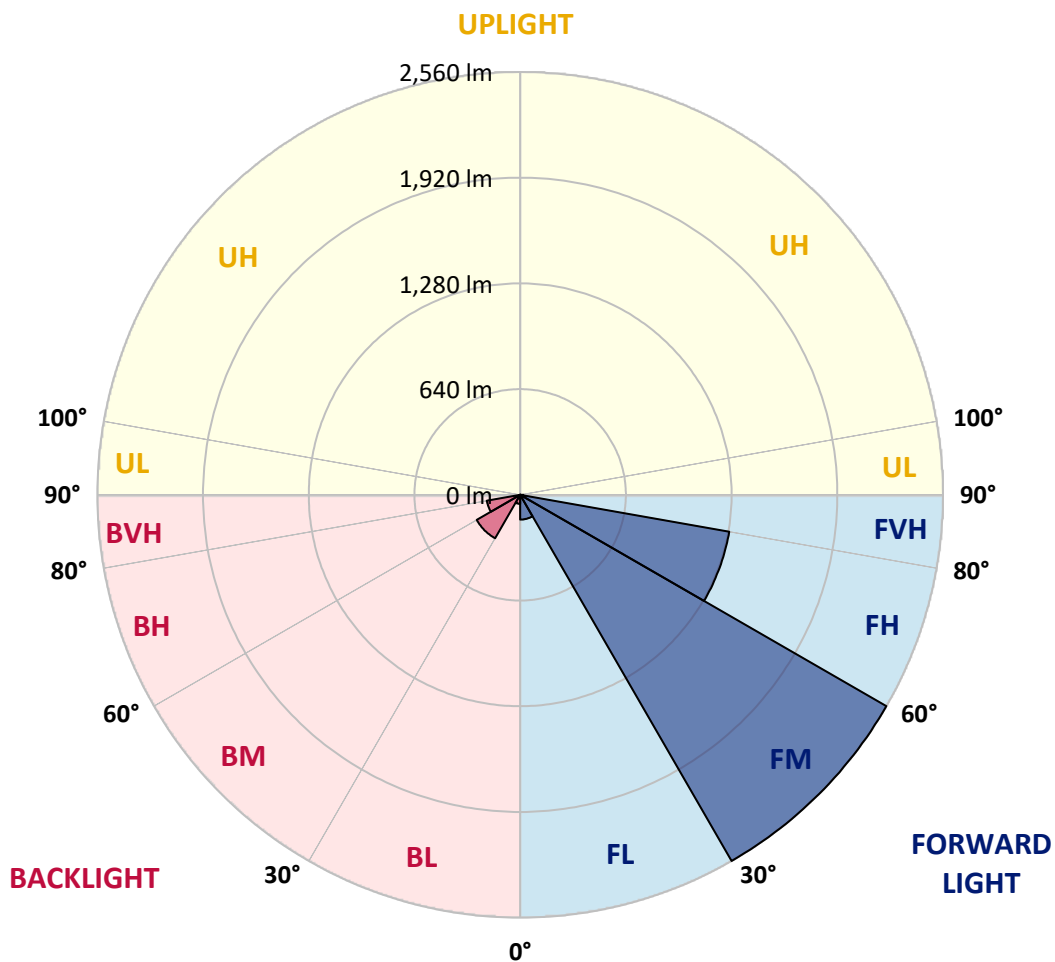
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	150.0	3.3			
FM (30°-60°)	2559.7	55.9			
FH (60°-80°)	1285.2	28.1			G1/1800
FVH (80°-90°)	19.4	0.4			G1/100
BL (0°-30°)	54.6	1.2	B0/110		
BM (30°-60°)	303.8	6.6	B1/1000		
BH (60°-80°)	205.0	4.5	B1/500		G1/500
BVH (80°-90°)	1.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	90.2	37.4	28.2	17.6	5.3	1.5	0.7	0.0	0.0	0.0	0.0
7.5°	129.9	129.2	129.2	130.7	132.3	120.8	9.2	0.7	0.0	0.0	0.0
10°	123.8	123.1	123.1	125.3	127.7	129.9	130.7	4.6	3.1	0.0	0.0
12.5°	247.7	246.1	236.9	141.4	127.7	128.4	131.4	89.4	53.5	19.8	94.8
15°	243.9	243.1	243.9	249.2	249.2	133.0	198.8	268.3	267.5	174.3	204.1
17.5°	249.9	246.1	244.6	248.4	254.5	294.3	291.2	282.0	282.8	184.9	209.4
20°	360.0	360.8	366.1	279.8	263.7	372.3	330.2	296.6	301.2	355.5	385.2
22.5°	366.1	365.4	372.3	385.2	454.0	382.2	442.5	444.9	454.8	465.4	413.5
25°	506.1	505.2	413.5	405.1	485.4	428.8	529.7	481.5	490.0	491.5	506.8
27.5°	572.5	565.6	570.2	572.5	512.1	602.3	548.8	636.0	609.2	673.4	642.8
30°	729.2	707.8	655.1	663.5	633.6	642.1	665.0	759.7	734.6	713.9	702.5
32.5°	1066.3	1053.2	1001.3	826.2	769.0	698.6	807.1	831.7	834.6	976.8	973.7
35°	1557.7	1466.0	1282.6	1153.4	921.1	912.7	895.1	1051.0	1058.7	1112.9	1112.2
37.5°	2192.9	2174.6	1913.9	1486.7	1216.9	1070.1	1113.7	1205.3	1176.3	1290.2	1291.8
40°	2579.7	2562.1	2351.2	1982.8	1554.7	1345.3	1292.5	1381.2	1332.3	1529.5	1491.3
42.5°	2858.6	2840.3	2686.7	2344.3	2048.5	1811.5	1573.8	1611.2	1579.9	1756.5	1739.6
45°	3025.3	2999.3	2933.6	2643.1	2454.4	2354.2	1979.7	1897.9	1905.6	2041.6	2023.3
47.5°	3016.2	2976.4	2993.3	2815.9	2797.6	2853.3	2485.0	2223.5	2310.6	2383.3	2335.9
50°	2777.6	2746.3	2841.1	2864.8	3022.3	3246.9	3020.0	2656.9	2766.2	2720.3	2621.7
52.5°	2335.9	2341.9	2479.5	2640.0	3061.3	3518.3	3533.6	3110.2	3258.4	3025.3	2881.7
55°	1868.1	1884.9	2035.5	2229.6	2822.7	3607.0	3962.4	3597.8	3727.0	3276.8	3069.7
57.5°	1373.5	1400.3	1589.1	1754.2	2322.1	3380.8	4174.2	4016.7	4093.8	3493.1	3217.2
60°	814.1	828.6	1079.3	1318.5	1682.3	2710.4	4165.8	4304.9	4330.9	3717.1	3334.9
62.5°	480.8	488.5	572.5	889.7	1108.3	1777.2	3848.5	4515.0	4507.4	3860.0	3415.9
64°	350.9	356.2	408.2	645.9	828.6	1237.5	3451.0	4543.3	4534.1	3908.2	3438.9
65°	293.5	298.1	334.8	509.8	689.5	946.2	3010.0	4492.9	4486.8	3932.6	3437.3
67.5°	235.4	236.2	246.8	298.9	469.3	496.8	1742.7	4090.1	4071.8	3957.8	3380.8
70°	210.9	214.0	233.1	235.4	343.2	326.4	613.1	3257.7	3217.9	3757.6	3249.3
72.5°	167.4	172.0	202.5	230.9	247.7	244.6	279.8	1986.6	2002.6	2760.8	2723.4
75°	116.9	121.5	152.8	191.1	195.7	178.8	201.8	746.0	736.1	1363.6	1583.7
77.5°	72.6	74.9	95.5	137.6	181.9	118.5	140.7	216.4	231.6	422.7	432.6
80°	48.2	48.9	60.4	90.9	126.1	107.0	84.1	109.4	111.6	133.0	65.8
82.5°	26.8	27.5	38.3	57.3	75.7	94.8	54.3	65.8	69.6	82.6	35.2
85°	9.2	9.9	19.8	32.1	45.8	45.8	35.2	39.8	40.5	52.0	18.3
87.5°	0.0	0.0	4.6	8.4	7.7	3.1	7.7	6.1	5.3	8.4	3.1
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.7	0.0	0.0	0.0	0.0	96.3	106.3	107.0	108.5
10°	0.0	0.0	0.7	0.7	0.0	102.4	108.5	106.3	100.9	99.3	97.8
12.5°	97.8	94.0	13.0	3.1	86.3	107.0	96.3	82.6	69.6	65.8	62.7
15°	201.8	199.5	178.1	195.7	121.5	91.8	68.0	73.3	61.9	58.1	56.6
17.5°	204.9	201.8	190.4	230.1	189.6	93.3	62.7	50.4	45.8	44.3	43.6
20°	389.0	377.6	276.7	226.3	145.3	94.8	48.2	40.5	37.4	41.2	43.6
22.5°	400.5	387.5	334.0	303.4	121.5	61.9	45.8	44.3	46.6	44.3	44.3
25°	505.2	467.0	366.9	249.2	107.8	55.0	52.0	40.5	37.4	35.9	35.9
27.5°	627.6	598.5	506.8	233.8	72.6	58.1	45.1	35.2	39.0	39.0	39.0
30°	671.1	630.5	512.1	204.9	64.2	52.8	38.3	38.3	34.4	32.8	32.8
32.5°	963.8	905.0	657.3	143.7	58.1	44.3	38.3	32.1	31.3	33.7	33.7
35°	1073.9	1005.2	640.6	106.3	51.2	40.5	32.8	31.3	29.8	29.8	29.8
37.5°	1220.7	1139.7	587.8	78.8	48.2	34.4	29.1	27.5	28.2	29.8	30.6
40°	1412.5	1314.7	545.0	65.0	41.2	29.8	26.0	26.8	26.8	26.8	26.8
42.5°	1638.8	1503.5	481.5	58.1	35.2	26.8	23.7	23.7	24.4	24.4	24.4
45°	1898.7	1709.9	392.9	51.2	30.6	22.9	21.4	21.4	21.4	20.7	21.4
47.5°	2173.9	1933.1	298.1	45.1	26.0	20.7	19.1	18.3	18.3	17.6	18.3
50°	2447.5	2140.9	217.9	39.0	22.9	18.3	16.1	16.1	16.1	15.2	15.2
52.5°	2666.1	2281.6	154.4	33.7	19.8	16.1	13.7	13.0	13.0	12.3	12.3
55°	2849.5	2365.7	113.1	28.2	17.6	13.7	11.5	10.7	10.7	9.9	10.7
57.5°	2990.9	2418.5	85.6	22.9	15.2	11.5	9.2	8.4	8.4	8.4	8.4
60°	3110.2	2436.0	65.8	19.1	13.0	9.2	7.7	6.9	6.9	6.1	6.9
62.5°	3221.0	2431.5	54.3	16.8	11.5	7.7	6.1	5.3	4.6	3.8	4.6
64°	3268.4	2419.2	48.9	14.5	10.7	6.9	5.3	4.6	3.8	2.3	3.1
65°	3288.3	2400.0	45.1	13.0	9.9	6.1	5.3	4.6	2.3	1.5	2.3
67.5°	3271.4	2301.4	35.2	11.5	7.7	4.6	3.8	3.1	0.7	0.7	1.5
70°	3084.2	2092.0	26.8	9.9	6.9	3.8	3.1	2.3	1.5	0.7	1.5
72.5°	2422.2	1504.2	20.7	7.7	5.3	2.3	3.1	2.3	1.5	0.7	0.0
75°	1299.4	564.9	15.2	6.1	4.6	2.3	2.3	1.5	0.7	0.7	0.0
77.5°	334.8	178.1	10.7	3.8	3.8	1.5	1.5	1.5	0.7	0.7	0.0
80°	52.0	25.3	4.6	3.1	2.3	0.7	1.5	0.7	0.7	1.5	0.0
82.5°	21.4	9.9	3.1	2.3	2.3	0.0	1.5	0.7	0.7	0.7	0.0
85°	5.3	3.8	2.3	1.5	1.5	0.0	0.7	0.0	0.7	0.7	0.0
87.5°	0.7	1.5	1.5	1.5	1.5	0.0	0.7	0.0	0.0	0.0	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)