

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: P413749

Luminaire Tested: **LXF.LXT-PA1-100-727-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413749
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-29)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-727-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6172 lumens
Efficiency: N/A
Efficacy: 64.3 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): 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

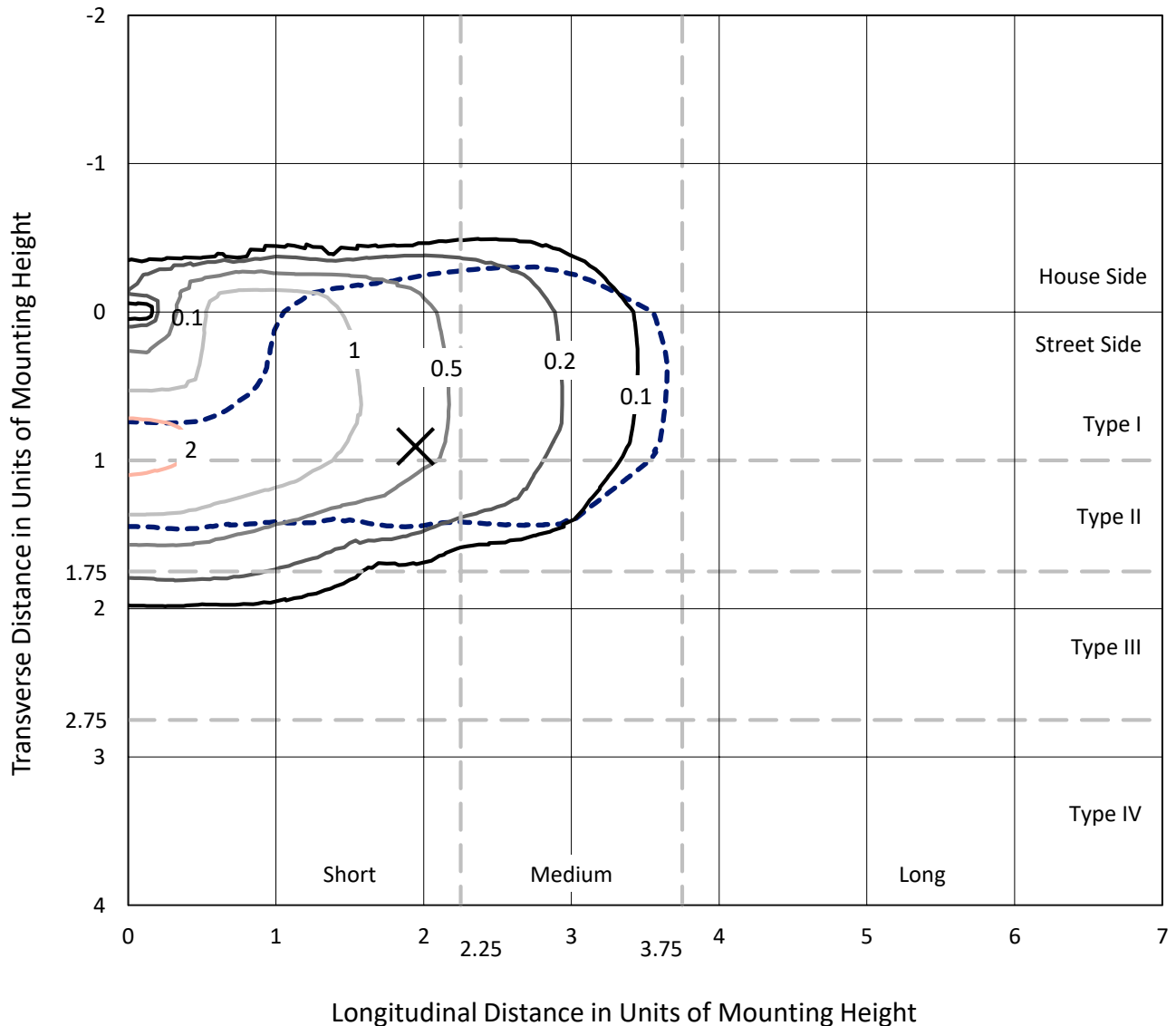


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

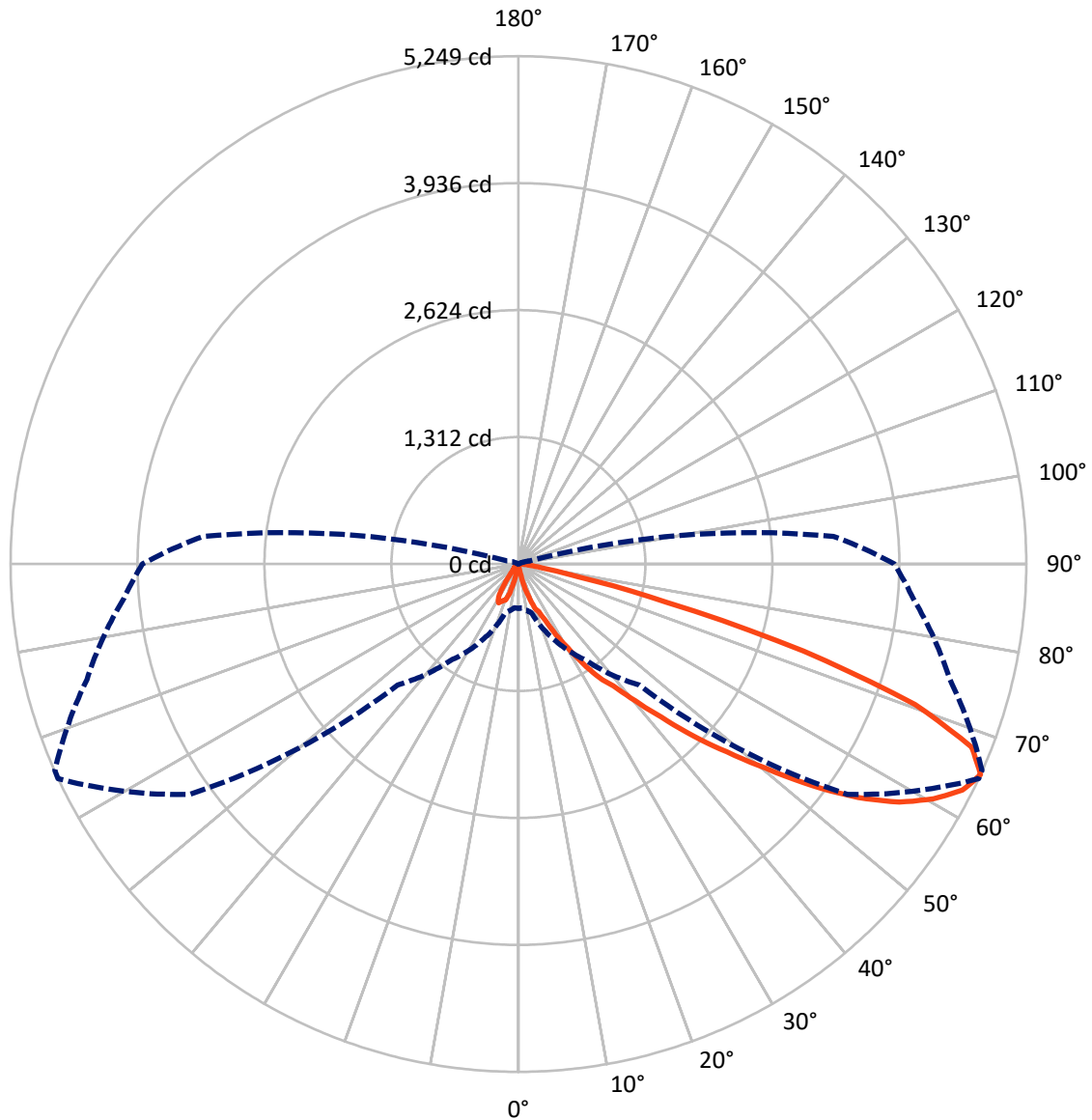


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



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



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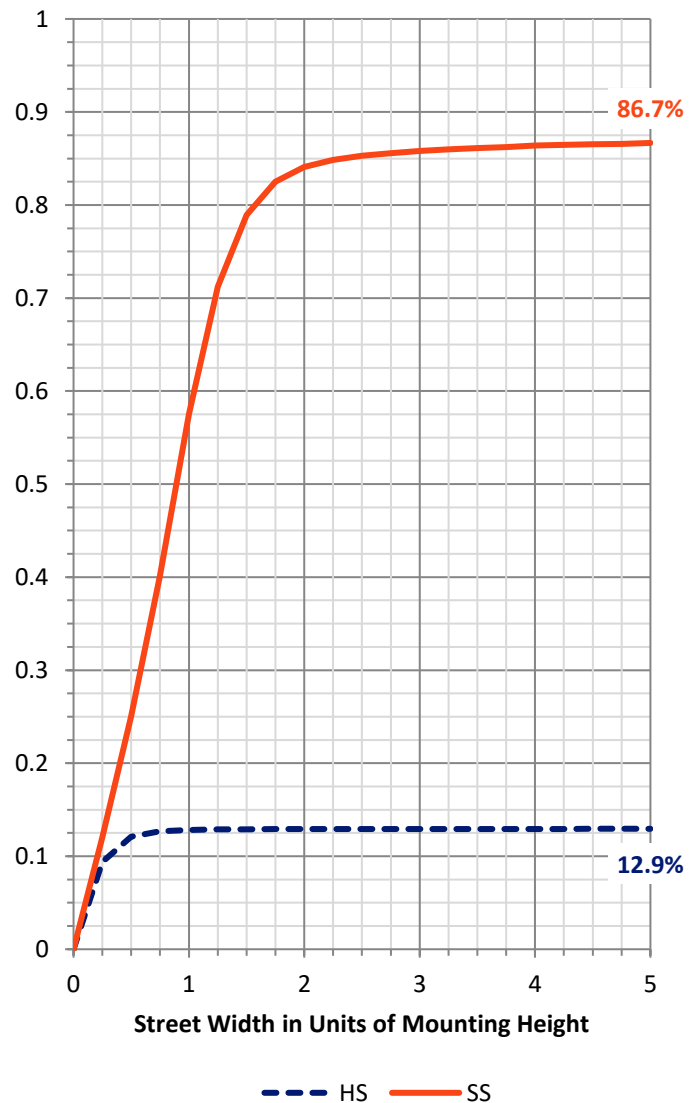
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	809.8	0.0	809.8
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	5362.2	0.0	5362.2
	% Fixture	86.9	0.0	86.9
Total	Lumens	6172.0	0.0	6172.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.1
10°-20°	64.1	1.0
20°-30°	217.7	3.5
30°-40°	612.4	9.9
40°-50°	1358.7	22.0
50°-60°	1821.9	29.5
60°-70°	1451.5	23.5
70°-80°	598.0	9.7
80°-90°	42.8	0.7
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°	6172.0	100.0
0°-180°	6172.0	100.0



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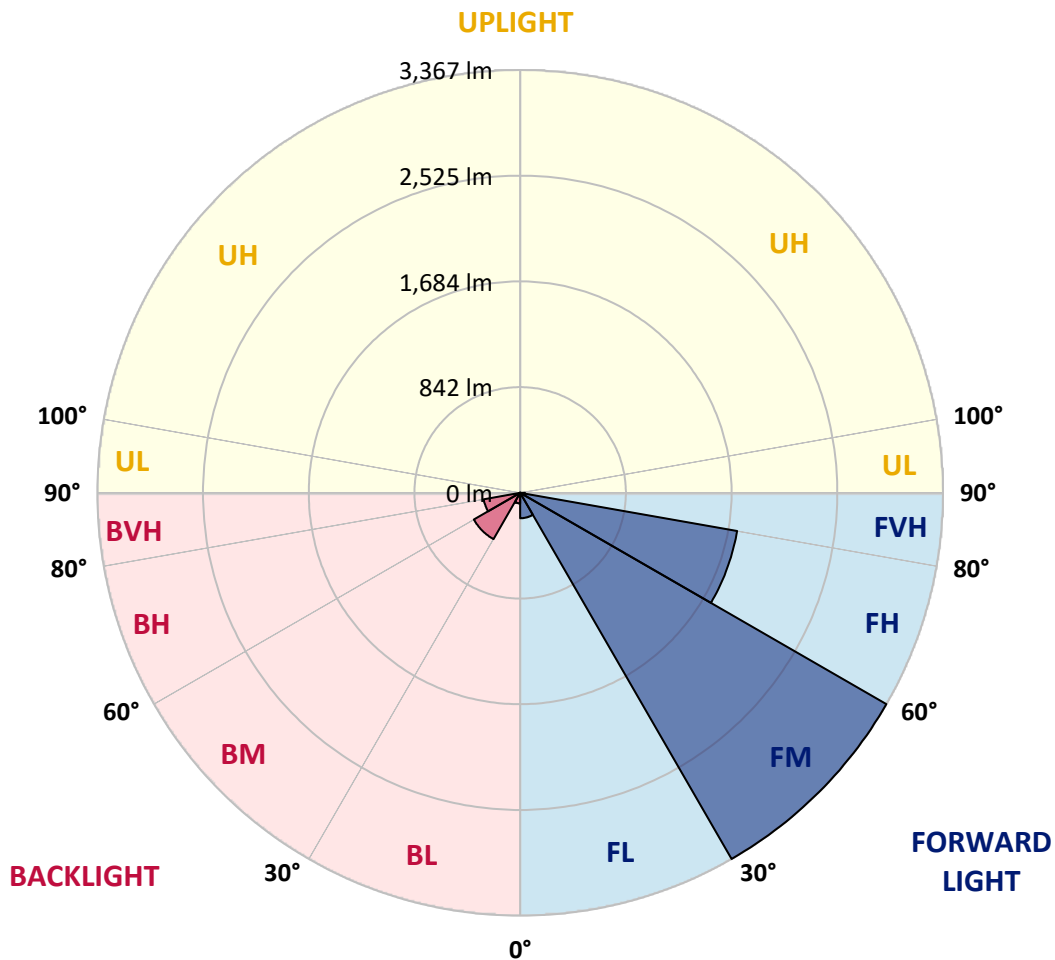
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	202.4	3.3			
FM	(30°-60°)	3367.2	54.6			
FH	(60°-80°)	1754.4	28.4			G1/1800
FVH	(80°-90°)	38.1	0.6			G1/100
BL	(0°-30°)	84.2	1.4	B0/110		
BM	(30°-60°)	425.9	6.9	B1/1000		
BH	(60°-80°)	295.0	4.8	B1/500		G1/500
BVH	(80°-90°)	4.7	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	0.9	0.9	0.9	2.7	2.7	2.7	2.7	1.8	1.8	1.8	1.8
5°	26.5	24.7	18.3	10.0	5.5	3.7	2.7	1.8	1.8	1.8	1.8
7.5°	184.4	183.5	183.5	185.3	186.2	66.6	6.4	2.7	2.7	1.8	1.8
10°	177.1	176.2	176.2	178.9	181.7	182.6	175.3	4.6	3.7	1.8	1.8
12.5°	330.5	325.0	207.2	181.7	177.1	178.9	179.9	155.2	72.1	111.4	137.9
15°	331.4	328.7	331.4	336.0	268.4	187.2	273.0	266.6	266.6	196.3	269.3
17.5°	335.1	331.4	333.2	339.6	329.6	387.1	365.2	378.0	378.0	279.4	297.6
20°	494.8	493.9	501.2	367.0	409.9	480.2	398.1	488.4	497.6	415.4	430.0
22.5°	504.9	504.0	515.8	514.0	503.0	515.8	582.5	535.0	537.7	628.1	567.9
25°	703.0	686.6	556.9	546.9	661.0	612.6	698.4	644.6	639.1	759.6	720.3
27.5°	804.3	797.0	805.2	780.6	700.2	751.4	755.9	829.9	792.5	870.1	887.4
30°	977.8	982.4	941.3	900.2	917.5	871.9	909.3	1008.8	1004.3	986.0	1119.3
32.5°	1561.2	1513.7	1433.4	1115.6	1045.3	1012.5	1116.6	1228.9	1183.2	1250.8	1384.1
35°	2066.0	1960.1	1826.8	1600.4	1298.2	1210.6	1337.5	1448.0	1419.7	1555.7	1547.5
37.5°	2907.8	2858.5	2627.5	2049.6	1748.3	1510.0	1571.2	1597.7	1630.6	1785.8	1782.1
40°	3405.4	3348.8	3185.3	2727.9	2206.6	1873.4	1846.9	1860.6	1871.6	2027.7	2038.7
42.5°	3823.5	3797.9	3639.1	3200.9	2774.5	2462.3	2214.9	2161.0	2181.1	2339.0	2318.0
45°	4107.4	4077.3	3934.0	3628.1	3274.8	3114.1	2642.1	2537.1	2542.6	2630.3	2613.8
47.5°	4169.5	4133.9	4070.0	3900.2	3780.6	3650.0	3177.1	2900.5	2962.6	2967.1	2911.5
50°	3948.6	3904.8	3958.6	3918.5	4101.0	4166.8	3718.5	3324.1	3430.9	3333.2	3179.0
52.5°	3401.7	3415.4	3581.6	3703.0	4112.9	4528.3	4300.1	3809.8	3881.9	3635.4	3431.8
55°	2701.5	2735.2	3010.1	3232.8	3833.5	4629.7	4721.0	4259.9	4288.2	3956.8	3636.3
57.5°	1989.4	2035.0	2372.8	2621.1	3292.2	4411.5	4927.3	4642.4	4698.1	4188.7	3778.8
60°	1224.3	1266.3	1648.8	2026.8	2527.1	3784.2	4954.7	4929.1	4993.0	4352.1	3922.1
62.5°	745.9	781.5	948.6	1407.8	1815.9	2860.3	4726.4	5149.1	5181.1	4517.4	4025.3
65°	459.2	452.8	520.4	855.5	1211.5	1768.4	4149.4	5248.6	5245.0	4616.9	4094.7
67.5°	304.0	309.5	335.1	470.2	825.3	955.9	2975.4	5053.3	5035.0	4665.3	4067.3
70°	269.3	271.2	296.7	333.2	594.3	556.9	1501.8	4350.3	4324.7	4534.7	3896.5
72.5°	210.9	217.3	259.3	302.2	429.1	408.1	566.0	3081.3	3114.1	3854.5	3429.1
75°	149.7	154.3	196.3	263.8	320.5	312.2	319.5	1588.6	1685.3	2559.0	2512.5
77.5°	94.0	97.7	126.9	195.4	272.1	230.1	223.7	623.6	698.4	1251.7	1257.2
80°	64.8	65.7	78.5	131.5	195.4	189.0	151.6	249.2	252.0	453.7	435.5
82.5°	38.3	38.3	52.0	81.3	119.6	154.3	97.7	125.1	129.6	168.0	95.9
85°	13.7	14.6	28.3	46.6	66.6	81.3	58.4	68.5	71.2	86.7	45.6
87.5°	0.9	1.8	9.1	14.6	18.3	16.4	19.2	21.0	23.7	28.3	16.4
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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	1.8	1.8	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9
5°	1.8	1.8	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9
7.5°	1.8	1.8	2.7	2.7	2.7	1.8	25.6	142.4	148.8	153.4	154.3
10°	5.5	3.7	2.7	2.7	2.7	147.9	153.4	149.7	147.0	144.2	145.2
12.5°	139.7	139.7	126.9	82.2	137.9	151.6	143.3	134.2	126.9	118.7	119.6
15°	268.4	266.6	235.5	202.7	231.9	148.8	123.3	163.4	139.7	123.3	120.5
17.5°	298.5	289.4	252.9	323.2	287.6	169.8	142.4	96.8	69.4	63.0	62.1
20°	430.0	418.1	368.8	391.7	262.9	196.3	85.8	54.8	49.3	59.3	61.2
22.5°	553.3	536.8	461.0	405.4	295.8	120.5	60.3	60.3	59.3	57.5	56.6
25°	711.2	682.0	618.1	424.5	234.6	79.4	65.7	53.9	48.4	44.7	44.7
27.5°	873.7	834.5	708.5	451.9	154.3	74.0	58.4	45.6	48.4	46.6	46.6
30°	1111.1	1057.2	825.3	422.7	100.4	68.5	49.3	44.7	39.3	37.4	36.5
32.5°	1356.7	1258.1	940.4	367.9	79.4	58.4	45.6	36.5	35.6	36.5	36.5
35°	1513.7	1421.5	1064.5	267.5	69.4	51.1	37.4	33.8	31.0	30.1	30.1
37.5°	1701.8	1587.6	1075.5	173.5	60.3	42.0	32.0	28.3	28.3	29.2	29.2
40°	1927.3	1802.2	1031.7	106.8	52.0	34.7	27.4	25.6	24.7	24.7	24.7
42.5°	2180.2	2022.2	970.5	80.3	43.8	29.2	22.8	21.9	21.0	21.0	21.0
45°	2450.4	2244.1	886.5	66.6	36.5	24.7	19.2	18.3	18.3	17.3	17.3
47.5°	2730.7	2481.4	759.6	58.4	30.1	20.1	16.4	15.5	14.6	14.6	14.6
50°	2970.8	2698.7	604.4	50.2	25.6	17.3	12.8	11.9	11.9	11.0	11.0
52.5°	3189.0	2883.1	479.3	42.9	21.0	13.7	10.0	9.1	9.1	8.2	8.2
55°	3357.0	3020.1	357.9	35.6	17.3	11.0	7.3	6.4	6.4	5.5	6.4
57.5°	3498.5	3104.1	271.2	29.2	14.6	8.2	5.5	4.6	3.7	3.7	3.7
60°	3632.7	3171.6	199.9	22.8	11.9	6.4	3.7	2.7	1.8	1.8	1.8
62.5°	3776.9	3231.9	157.9	18.3	10.0	4.6	1.8	1.8	0.0	0.0	0.0
65°	3885.6	3269.3	122.3	14.6	8.2	2.7	1.8	0.9	0.0	0.0	0.0
67.5°	3889.2	3221.9	95.9	11.9	7.3	2.7	0.9	0.0	0.0	0.0	0.0
70°	3749.6	3020.1	71.2	11.0	6.4	2.7	1.8	0.9	0.0	0.0	0.0
72.5°	3249.2	2371.0	51.1	9.1	5.5	2.7	1.8	0.9	0.9	0.0	0.0
75°	2350.0	1401.4	35.6	8.2	5.5	2.7	2.7	1.8	1.8	1.8	0.0
77.5°	1205.1	582.5	23.7	7.3	4.6	1.8	3.7	2.7	2.7	2.7	0.9
80°	353.3	200.9	14.6	6.4	4.6	1.8	3.7	3.7	3.7	3.7	0.9
82.5°	67.6	39.3	9.1	6.4	4.6	1.8	3.7	3.7	3.7	4.6	0.0
85°	26.5	15.5	6.4	5.5	4.6	1.8	3.7	3.7	4.6	4.6	0.0
87.5°	9.1	7.3	5.5	4.6	4.6	1.8	3.7	3.7	3.7	4.6	0.9
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)