

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: P417129

Luminaire Tested: **LXF.LXT-PA1-90-730-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417129
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-PA1-90-730-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA 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: 6638 lumens
Efficiency: N/A
Efficacy: 70.6 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 - G2

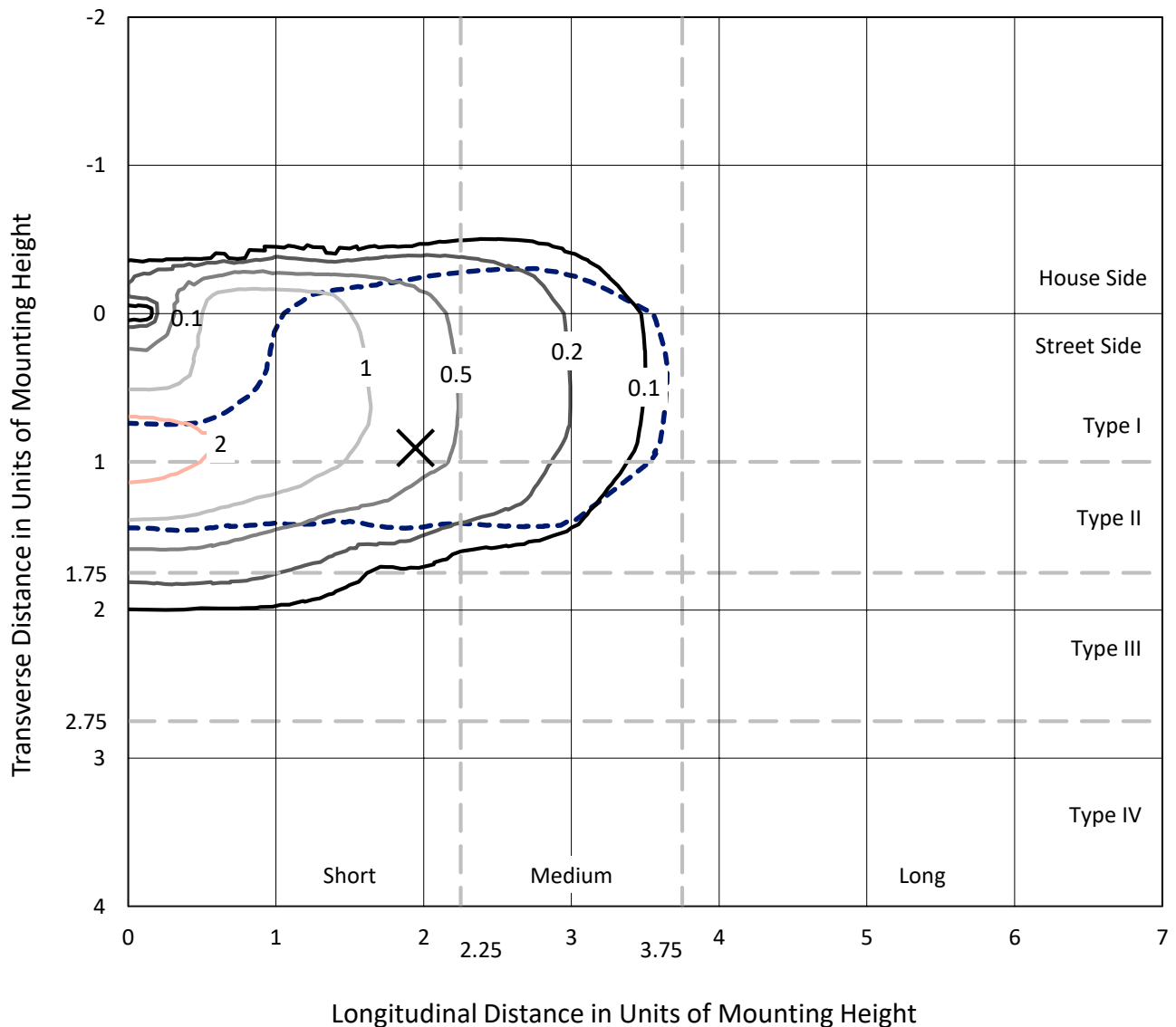
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

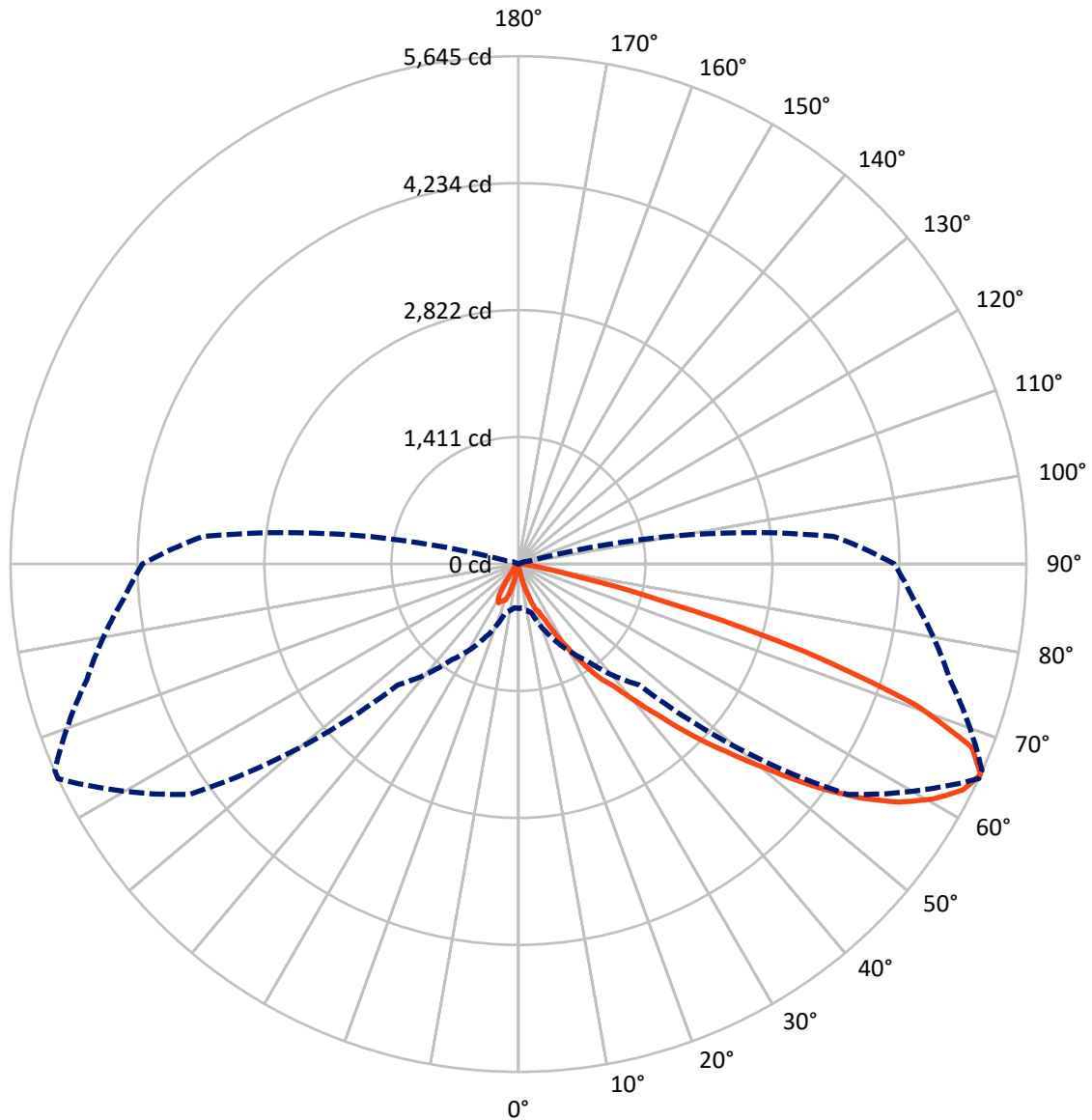
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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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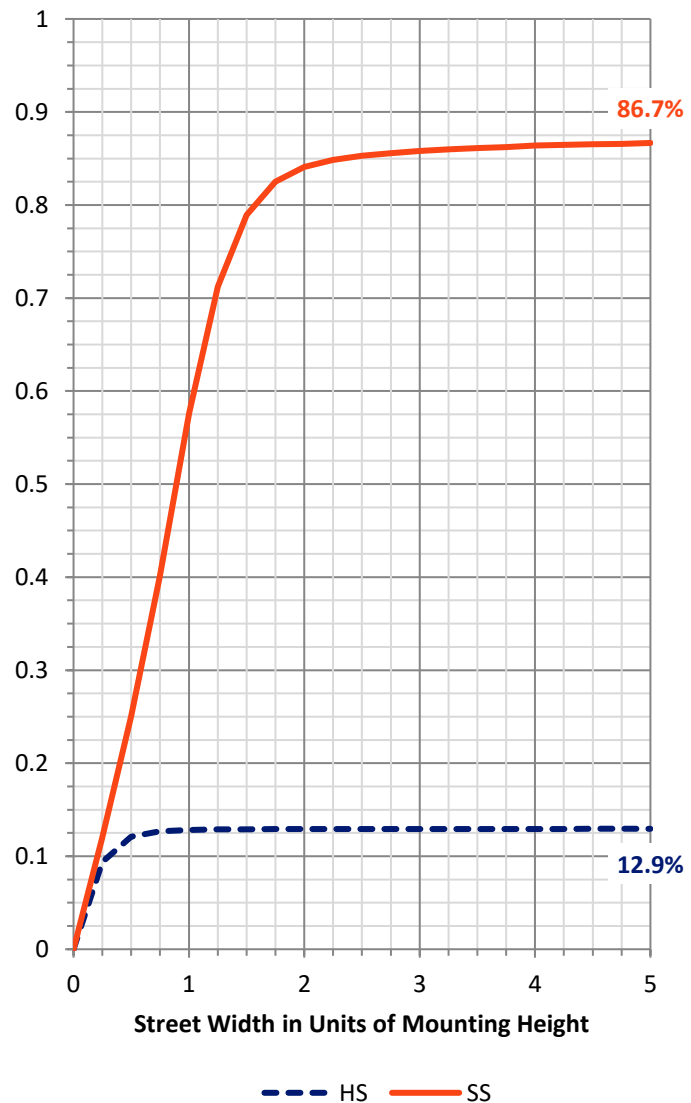
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	871.0	0.0	871.0
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	5767.0	0.0	5767.0
	% Fixture	86.9	0.0	86.9
Total	Lumens	6638.0	0.0	6638.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.2	0.1
10°-20°	69.0	1.0
20°-30°	234.1	3.5
30°-40°	658.6	9.9
40°-50°	1461.3	22.0
50°-60°	1959.5	29.5
60°-70°	1561.1	23.5
70°-80°	643.1	9.7
80°-90°	46.0	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°	6638.0	100.0
0°-180°	6638.0	100.0



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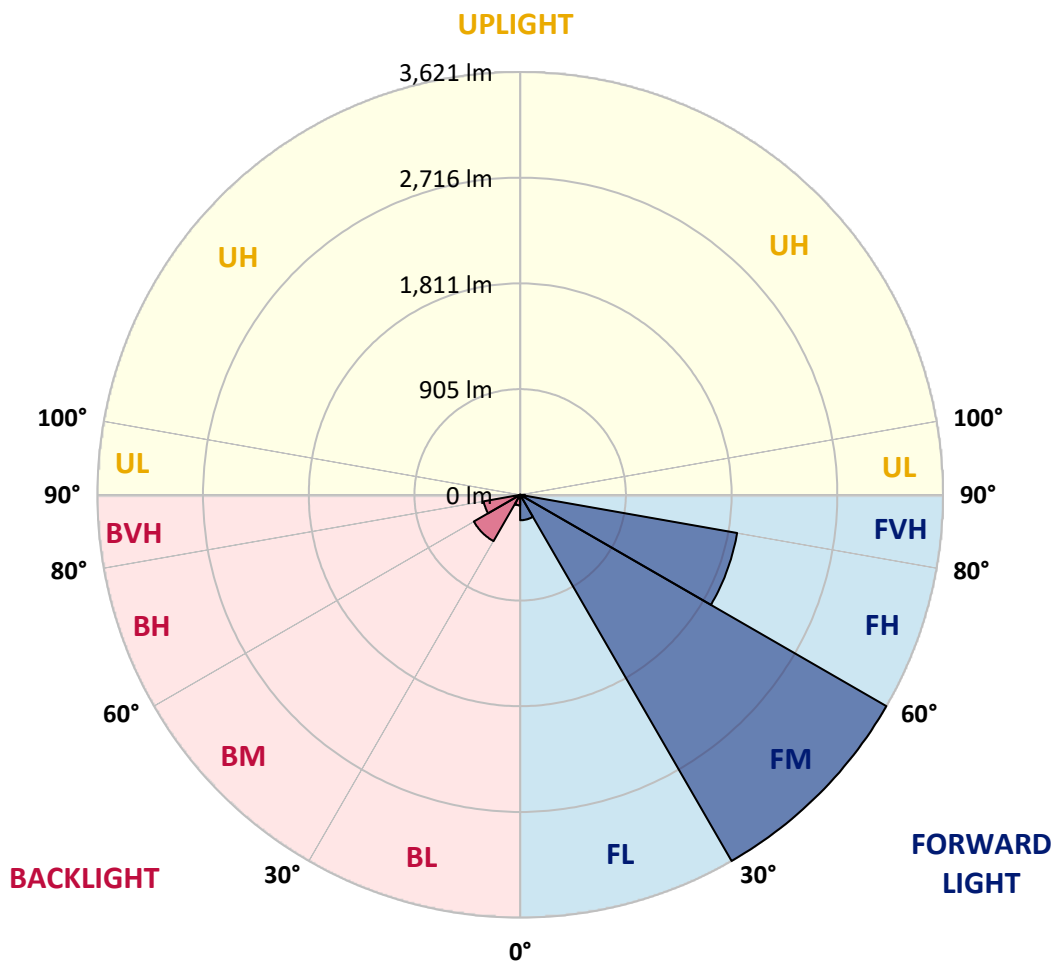
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	217.7	3.3			
FM	(30°-60°)	3621.4	54.6			
FH	(60°-80°)	1886.9	28.4			G2/5000
FVH	(80°-90°)	41.0	0.6			G1/100
BL	(0°-30°)	90.6	1.4	B0/110		
BM	(30°-60°)	458.0	6.9	B1/1000		
BH	(60°-80°)	317.3	4.8	B1/500		G1/500
BVH	(80°-90°)	5.1	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	1.0	1.0	1.0	2.9	2.9	2.9	2.9	2.0	2.0	2.0	2.0
5°	28.5	26.5	19.6	10.8	5.9	3.9	2.9	2.0	2.0	2.0	2.0
7.5°	198.3	197.4	197.4	199.3	200.3	71.7	6.9	2.9	2.9	2.0	2.0
10°	190.5	189.5	189.5	192.5	195.4	196.4	188.5	4.9	3.9	2.0	2.0
12.5°	355.4	349.6	222.9	195.4	190.5	192.5	193.4	166.9	77.6	119.8	148.3
15°	356.4	353.5	356.4	361.3	288.7	201.3	293.6	286.7	286.7	211.1	289.7
17.5°	360.4	356.4	358.4	365.3	354.5	416.3	392.8	406.5	406.5	300.5	320.1
20°	532.2	531.2	539.1	394.7	440.9	516.5	428.1	525.3	535.1	446.8	462.5
22.5°	543.0	542.0	554.8	552.8	541.0	554.8	626.5	575.4	578.3	675.5	610.7
25°	756.1	738.4	599.0	588.2	710.9	658.9	751.2	693.2	687.3	816.9	774.7
27.5°	865.1	857.2	866.0	839.5	753.1	808.1	813.0	892.5	852.3	935.7	954.4
30°	1051.6	1056.5	1012.3	968.2	986.8	937.7	978.0	1085.0	1080.1	1060.4	1203.8
32.5°	1679.0	1628.0	1541.6	1199.9	1124.3	1088.9	1200.9	1321.6	1272.5	1345.2	1488.6
35°	2222.0	2108.1	1964.8	1721.3	1396.3	1302.0	1438.5	1557.3	1526.9	1673.2	1664.3
37.5°	3127.3	3074.3	2825.9	2204.4	1880.3	1624.1	1689.8	1718.3	1753.7	1920.6	1916.7
40°	3662.5	3601.6	3425.8	2933.9	2373.2	2014.9	1986.4	2001.1	2012.9	2180.8	2192.6
42.5°	4112.2	4084.7	3913.8	3442.5	2984.0	2648.2	2382.1	2324.2	2345.8	2515.6	2493.0
45°	4417.6	4385.2	4231.0	3902.1	3522.1	3349.3	2841.6	2728.7	2734.6	2828.8	2811.2
47.5°	4484.3	4446.0	4377.3	4194.7	4066.0	3925.6	3417.0	3119.5	3186.3	3191.2	3131.3
50°	4246.7	4199.6	4257.5	4214.3	4410.7	4481.4	3999.3	3575.1	3690.0	3584.9	3419.0
52.5°	3658.6	3673.3	3852.0	3982.6	4423.5	4870.2	4624.7	4097.5	4175.0	3909.9	3691.0
55°	2905.4	2941.8	3237.3	3476.9	4123.0	4979.2	5077.4	4581.5	4612.0	4255.5	3910.9
57.5°	2139.6	2188.7	2552.0	2819.0	3540.7	4744.5	5299.3	4993.0	5052.8	4504.9	4064.1
60°	1316.7	1361.9	1773.3	2179.8	2717.9	4070.0	5328.8	5301.3	5370.0	4680.7	4218.2
62.5°	802.2	840.5	1020.2	1514.1	1953.0	3076.3	5083.3	5537.9	5572.3	4858.4	4329.2
65°	493.9	487.0	559.7	920.0	1303.0	1901.9	4462.7	5644.9	5641.0	4965.5	4403.8
67.5°	327.0	332.9	360.4	505.7	887.6	1028.0	3200.0	5434.8	5415.2	5017.5	4374.4
70°	289.7	291.6	319.1	358.4	639.2	599.0	1615.2	4678.7	4651.3	4877.1	4190.7
72.5°	226.8	233.7	278.9	325.0	461.5	438.9	608.8	3313.9	3349.3	4145.6	3688.0
75°	161.0	165.9	211.1	283.8	344.6	335.8	343.7	1708.5	1812.6	2752.3	2702.2
77.5°	101.1	105.1	136.5	210.1	292.6	247.4	240.6	670.6	751.2	1346.2	1352.1
80°	69.7	70.7	84.4	141.4	210.1	203.3	163.0	268.1	271.0	488.0	468.4
82.5°	41.2	41.2	56.0	87.4	128.6	165.9	105.1	134.5	139.4	180.7	103.1
85°	14.7	15.7	30.4	50.1	71.7	87.4	62.8	73.6	76.6	93.3	49.1
87.5°	1.0	2.0	9.8	15.7	19.6	17.7	20.6	22.6	25.5	30.4	17.7
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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.0	2.0	2.9	2.9	2.9	2.0	1.0	1.0	1.0	1.0	1.0
5°	2.0	2.0	2.9	2.9	2.9	2.0	1.0	1.0	1.0	1.0	1.0
7.5°	2.0	2.0	2.9	2.9	2.9	2.0	27.5	153.2	160.0	165.0	165.9
10°	5.9	3.9	2.9	2.9	2.9	159.1	165.0	161.0	158.1	155.1	156.1
12.5°	150.2	150.2	136.5	88.4	148.3	163.0	154.2	144.3	136.5	127.6	128.6
15°	288.7	286.7	253.3	218.0	249.4	160.0	132.6	175.8	150.2	132.6	129.6
17.5°	321.1	311.3	272.0	347.6	309.3	182.6	153.2	104.1	74.6	67.8	66.8
20°	462.5	449.7	396.7	421.2	282.8	211.1	92.3	58.9	53.0	63.8	65.8
22.5°	595.0	577.4	495.9	436.0	318.1	129.6	64.8	64.8	63.8	61.9	60.9
25°	764.9	733.5	664.7	456.6	252.3	85.4	70.7	57.9	52.0	48.1	48.1
27.5°	939.7	897.5	762.0	486.0	165.9	79.5	62.8	49.1	52.0	50.1	50.1
30°	1195.0	1137.0	887.6	454.6	108.0	73.6	53.0	48.1	42.2	40.3	39.3
32.5°	1459.1	1353.1	1011.4	395.7	85.4	62.8	49.1	39.3	38.3	39.3	39.3
35°	1628.0	1528.8	1144.9	287.7	74.6	55.0	40.3	36.3	33.4	32.4	32.4
37.5°	1830.3	1707.5	1156.7	186.6	64.8	45.2	34.4	30.4	30.4	31.4	31.4
40°	2072.8	1938.3	1109.5	114.9	56.0	37.3	29.5	27.5	26.5	26.5	26.5
42.5°	2344.8	2174.9	1043.8	86.4	47.1	31.4	24.5	23.6	22.6	22.6	22.6
45°	2635.4	2413.5	953.4	71.7	39.3	26.5	20.6	19.6	19.6	18.7	18.7
47.5°	2936.9	2668.8	816.9	62.8	32.4	21.6	17.7	16.7	15.7	15.7	15.7
50°	3195.1	2902.5	650.0	54.0	27.5	18.7	13.7	12.8	12.8	11.8	11.8
52.5°	3429.8	3100.8	515.5	46.1	22.6	14.7	10.8	9.8	9.8	8.8	8.8
55°	3610.4	3248.1	384.9	38.3	18.7	11.8	7.9	6.9	6.9	5.9	6.9
57.5°	3762.6	3338.5	291.6	31.4	15.7	8.8	5.9	4.9	3.9	3.9	3.9
60°	3907.0	3411.1	215.0	24.5	12.8	6.9	3.9	2.9	2.0	2.0	2.0
62.5°	4062.1	3475.9	169.9	19.6	10.8	4.9	2.0	2.0	0.0	0.0	0.0
65°	4179.0	3516.2	131.6	15.7	8.8	2.9	2.0	1.0	0.0	0.0	0.0
67.5°	4182.9	3465.1	103.1	12.8	7.9	2.9	1.0	0.0	0.0	0.0	0.0
70°	4032.7	3248.1	76.6	11.8	6.9	2.9	2.0	1.0	0.0	0.0	0.0
72.5°	3494.6	2550.0	55.0	9.8	5.9	2.9	2.0	1.0	1.0	0.0	0.0
75°	2527.4	1507.2	38.3	8.8	5.9	2.9	2.9	2.0	2.0	2.0	0.0
77.5°	1296.1	626.5	25.5	7.9	4.9	2.0	3.9	2.9	2.9	2.9	1.0
80°	380.0	216.0	15.7	6.9	4.9	2.0	3.9	3.9	3.9	3.9	1.0
82.5°	72.7	42.2	9.8	6.9	4.9	2.0	3.9	3.9	3.9	4.9	0.0
85°	28.5	16.7	6.9	5.9	4.9	2.0	3.9	3.9	4.9	4.9	0.0
87.5°	9.8	7.9	5.9	4.9	4.9	2.0	3.9	3.9	3.9	4.9	1.0
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)