

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: P414055

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414055
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-1)
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
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7908 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

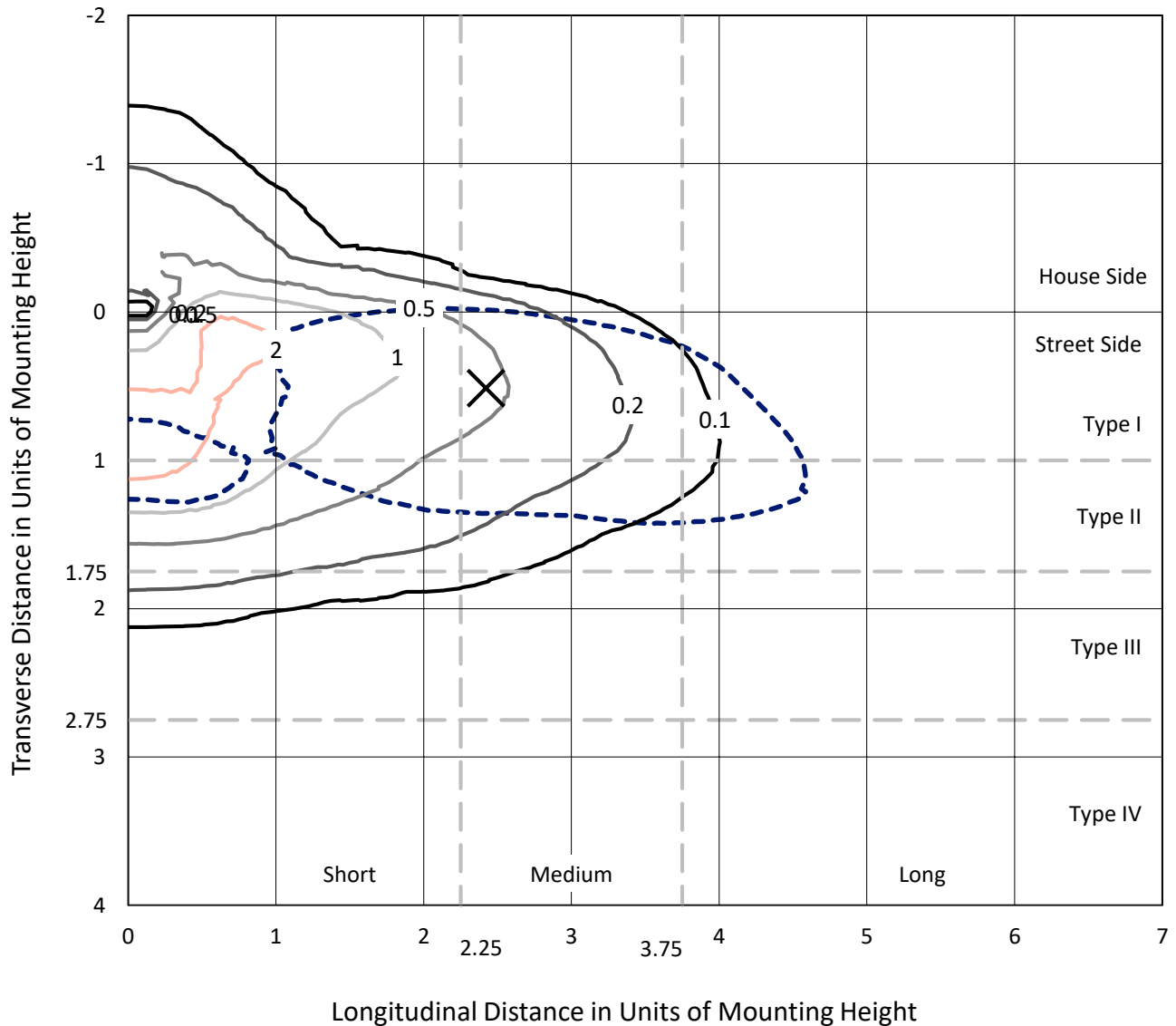
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

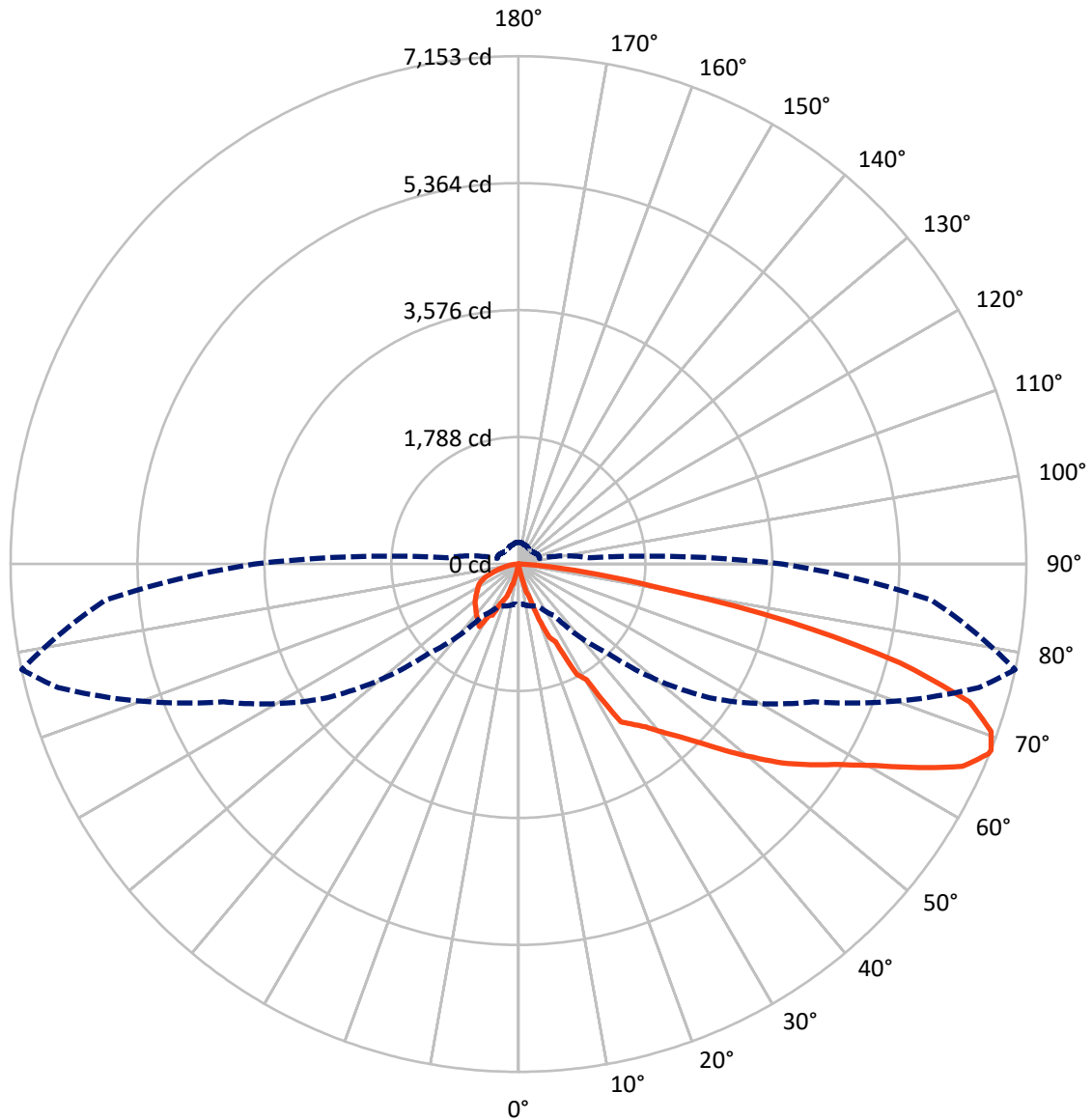
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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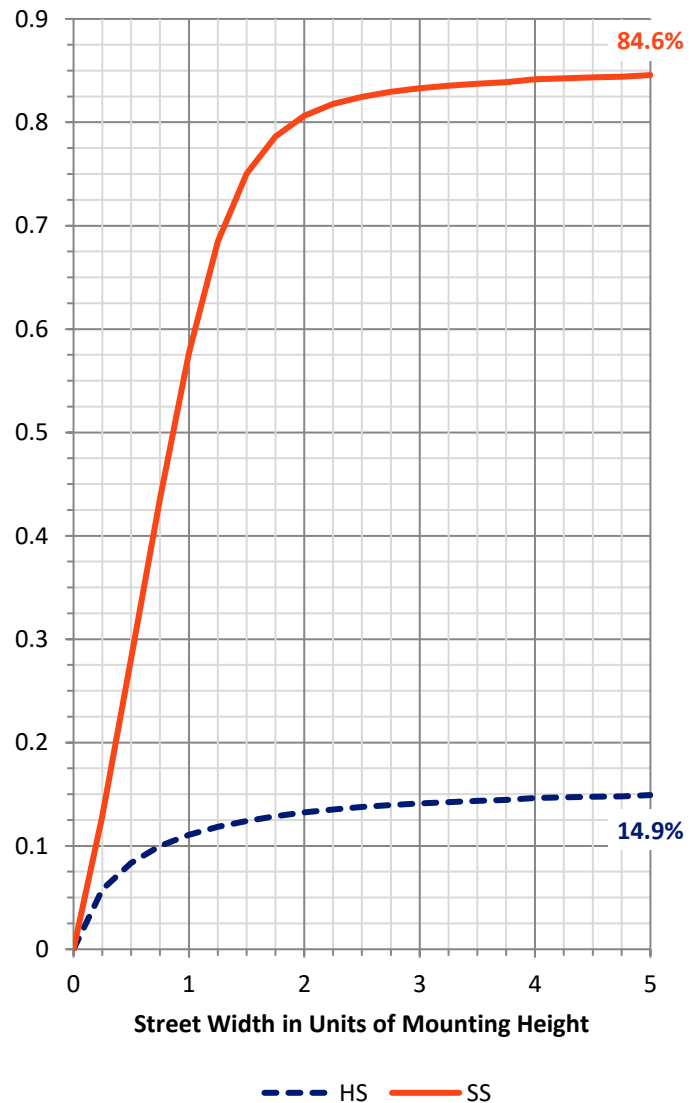
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1200.6	0.0	1200.6
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	6707.4	0.0	6707.4
	% Fixture	84.8	0.0	84.8
Total	Lumens	7908.0	0.0	7908.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.9	0.1
10°-20°	114.6	1.4
20°-30°	436.4	5.5
30°-40°	1018.9	12.9
40°-50°	1590.6	20.1
50°-60°	1825.9	23.1
60°-70°	1696.6	21.5
70°-80°	1048.3	13.3
80°-90°	168.8	2.1
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°	7908.0	100.0
0°-180°	7908.0	100.0



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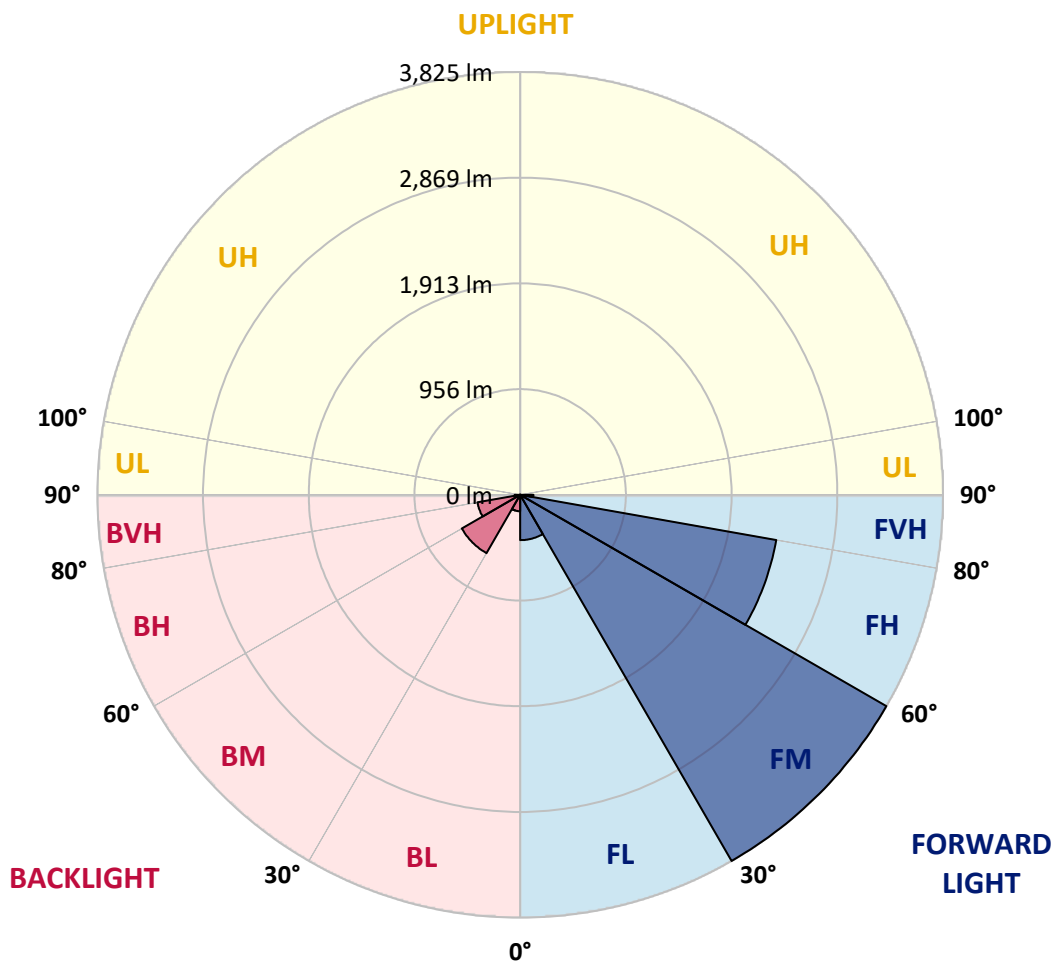
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	410.0	5.2			
FM (30°-60°)	3825.4	48.4			
FH (60°-80°)	2352.5	29.7			G2/5000
FVH (80°-90°)	119.4	1.5			G2/225
BL (0°-30°)	148.8	1.9	B1/500		
BM (30°-60°)	610.0	7.7	B1/1000		
BH (60°-80°)	392.4	5.0	B1/500		G1/500
BVH (80°-90°)	49.4	0.6			G1/100
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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2.5°	6.1	6.1	6.9	7.8	9.5	8.7	6.1	4.3	3.5	3.5	3.5
5°	280.2	257.7	144.0	74.6	26.0	15.6	7.8	6.1	4.3	4.3	3.5
7.5°	316.7	314.9	312.3	309.7	305.4	288.9	30.4	8.7	5.2	5.2	3.5
10°	341.8	339.2	337.5	335.8	329.7	321.0	306.3	26.9	9.5	8.7	7.8
12.5°	663.7	662.0	659.4	421.7	357.5	347.9	334.9	239.5	27.8	41.6	125.8
15°	662.0	659.4	667.2	681.1	692.3	380.9	384.3	672.4	416.4	400.0	426.0
17.5°	690.6	687.1	678.5	688.0	708.8	796.5	753.1	727.9	490.2	467.6	454.6
20°	1012.5	1012.5	1022.9	1014.2	735.7	1017.7	963.9	781.7	885.8	832.9	774.8
22.5°	1071.5	1067.1	1068.9	1086.2	1277.1	1055.0	1063.7	1206.0	1231.1	1124.4	963.9
25°	1523.5	1522.6	1462.8	1147.8	1346.5	1271.9	1469.7	1290.1	1335.2	1209.4	1182.5
27.5°	1714.4	1716.1	1667.5	1624.1	1422.9	1649.3	1559.9	1698.8	1896.6	1762.1	1514.8
30°	2306.9	2284.4	1902.6	1860.1	1741.3	1738.7	1888.8	2005.9	1950.4	1887.0	1691.8
32.5°	2741.6	2719.1	2634.9	2340.8	2070.1	1936.5	2169.9	2098.7	2544.7	2648.8	2293.9
35°	3414.0	3406.2	2959.4	2655.7	2431.0	2341.7	2280.1	2556.8	2754.6	2770.2	2443.2
37.5°	3930.2	3905.1	3643.0	3107.7	2736.4	2529.9	2676.5	2680.9	2984.5	2910.8	2676.5
40°	4166.2	4150.6	3949.3	3447.0	3017.5	2784.1	2843.1	2868.3	3236.1	3108.6	2846.6
42.5°	4345.8	4326.7	4199.2	3650.9	3264.8	3041.8	3014.9	3037.5	3479.9	3324.6	3028.8
45°	4438.6	4427.4	4367.5	3795.7	3437.4	3205.8	3198.8	3186.7	3645.7	3591.0	3226.6
47.5°	4386.6	4374.4	4401.3	3992.7	3545.0	3340.3	3369.8	3348.1	3835.7	3925.0	3441.8
50°	4097.7	4108.9	4216.5	4000.5	3613.6	3449.6	3550.2	3496.4	4094.2	4277.3	3702.9
52.5°	3261.3	3307.3	3762.8	3827.0	3620.5	3500.8	3712.5	3722.9	4415.2	4653.8	4046.5
55°	2433.6	2498.7	2902.1	3403.6	3481.7	3502.5	3816.6	3930.2	4735.4	4988.7	4335.4
57.5°	1915.7	1955.6	2212.4	2715.6	3146.8	3440.9	3923.3	4098.5	5032.9	5323.6	4619.1
60°	1531.3	1507.0	1674.5	2056.2	2622.8	3268.2	3970.1	4318.0	5403.4	5755.7	4953.1
62.5°	1107.1	1108.8	1236.3	1454.1	2076.2	2927.3	3933.7	4530.6	5875.4	6314.4	5398.2
65°	785.2	793.0	879.7	996.9	1500.9	2458.8	3753.2	4675.5	6408.1	6873.1	5760.0
67.5°	597.8	603.0	643.8	698.4	970.0	1870.5	3382.8	4646.0	6700.5	7137.7	5865.0
68°	573.5	564.8	610.8	650.7	892.8	1773.4	3281.3	4587.0	6714.3	7152.5	5839.8
70°	483.3	483.3	504.1	513.6	632.5	1310.9	2784.1	4230.4	6664.9	7061.4	5648.9
72.5°	403.4	400.8	413.0	405.2	446.8	858.1	2022.4	3648.3	6311.8	6645.8	5080.7
75°	335.8	335.8	337.5	331.4	342.7	575.2	1314.4	2857.9	5576.1	5549.2	4135.0
77.5°	286.3	279.4	277.6	269.0	278.5	418.2	806.0	2033.7	4025.7	3880.8	2625.4
80°	227.3	226.4	228.2	223.0	230.8	304.5	491.1	1188.6	2192.4	1929.5	1224.2
82.5°	140.6	154.4	170.0	170.0	194.3	215.2	297.6	636.0	1062.8	934.4	519.7
85°	46.0	56.4	99.8	103.2	124.9	100.6	170.9	204.8	354.8	316.7	99.8
87.5°	1.7	2.6	7.8	12.1	11.3	6.9	12.1	9.5	20.0	14.7	15.6
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°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2.5°	3.5	3.5	3.5	4.3	4.3	2.6	1.7	3.5	3.5	3.5	3.5
5°	3.5	3.5	4.3	4.3	4.3	3.5	4.3	6.1	6.9	6.9	6.9
7.5°	3.5	3.5	3.5	5.2	5.2	6.1	8.7	52.1	119.7	131.0	129.3
10°	6.9	6.1	6.9	7.8	9.5	111.1	145.8	153.6	157.0	159.6	158.8
12.5°	166.6	149.2	27.8	15.6	105.0	156.2	158.8	164.8	170.9	173.5	173.5
15°	390.4	349.6	267.2	201.3	179.6	166.6	169.2	222.1	301.9	309.7	310.6
17.5°	414.7	363.5	279.4	308.0	317.5	247.3	271.6	305.4	308.9	309.7	309.7
20°	781.7	655.0	397.4	324.5	323.6	413.8	289.8	298.5	303.7	345.3	350.5
22.5°	845.9	701.9	477.2	460.7	348.8	413.8	379.1	368.7	403.4	400.0	402.6
25°	1063.7	842.4	502.3	462.4	488.5	400.8	445.1	367.0	373.1	371.3	371.3
27.5°	1352.6	1062.8	701.9	518.0	474.6	463.3	412.1	353.1	423.4	425.1	425.1
30°	1432.4	1093.2	701.9	559.6	493.7	455.5	380.9	417.3	393.9	386.9	383.5
32.5°	1985.1	1482.7	849.4	538.8	486.7	418.2	417.3	387.8	386.9	402.6	402.6
35°	2085.7	1505.3	775.6	616.0	459.0	431.2	396.5	392.2	374.8	368.7	367.9
37.5°	2185.5	1519.2	719.2	565.7	471.1	411.2	390.4	360.1	379.1	379.1	377.4
40°	2292.2	1533.9	668.1	519.7	432.9	411.2	361.8	359.2	333.2	334.9	333.2
42.5°	2406.7	1540.0	613.4	481.5	397.4	386.1	349.6	322.7	321.9	328.0	326.2
45°	2537.7	1547.8	563.1	432.9	361.8	340.1	312.3	314.1	330.6	344.4	344.4
47.5°	2677.4	1554.7	521.4	389.6	336.6	308.9	288.0	295.0	324.5	338.4	342.7
50°	2866.5	1563.4	473.7	354.0	319.3	285.4	282.0	288.0	320.1	330.6	326.2
52.5°	3067.8	1547.8	426.9	331.4	301.1	259.4	265.5	281.1	315.8	321.0	317.5
55°	3232.7	1508.8	390.4	316.7	288.0	248.1	256.8	275.9	308.9	311.5	312.3
57.5°	3424.4	1457.6	361.8	305.4	280.2	242.9	253.3	275.0	295.0	307.1	307.1
60°	3612.7	1397.7	344.4	299.3	274.2	242.9	253.3	274.2	292.4	305.4	304.5
62.5°	3833.1	1330.0	334.0	302.8	266.4	245.5	255.1	276.8	291.5	306.3	304.5
65°	3910.3	1200.8	326.2	308.0	265.5	249.0	255.9	280.2	290.6	308.0	306.3
67.5°	3757.6	1029.8	313.2	308.0	273.3	253.3	255.1	278.5	288.0	308.9	301.1
68°	3706.4	1004.7	308.9	307.1	274.2	254.2	255.1	277.6	286.3	308.0	299.3
70°	3421.8	845.0	287.2	298.5	277.6	257.7	250.7	271.6	277.6	306.3	295.9
72.5°	2961.1	658.5	250.7	277.6	274.2	262.9	242.9	259.4	262.9	286.3	269.0
75°	2367.7	500.6	207.4	241.2	257.7	262.9	231.6	242.9	242.1	253.3	237.7
77.5°	1488.8	357.5	167.4	204.8	234.3	255.9	221.2	221.2	210.8	212.6	205.6
80°	721.8	244.7	135.3	169.2	196.1	242.1	203.0	186.5	173.5	170.0	161.4
82.5°	354.8	157.9	93.7	127.5	155.3	200.4	182.2	153.6	131.0	129.3	115.4
85°	82.4	65.1	51.2	67.7	98.0	131.0	131.0	96.3	81.6	105.8	78.1
87.5°	7.8	9.5	10.4	9.5	12.1	11.3	27.8	27.8	25.2	16.5	11.3
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)