

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: P415875

Luminaire Tested: **LXF.LXT-PA1-60-730-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415875
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-PA1-60-730-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6772 lumens
Efficiency: N/A
Efficacy: 105.8 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

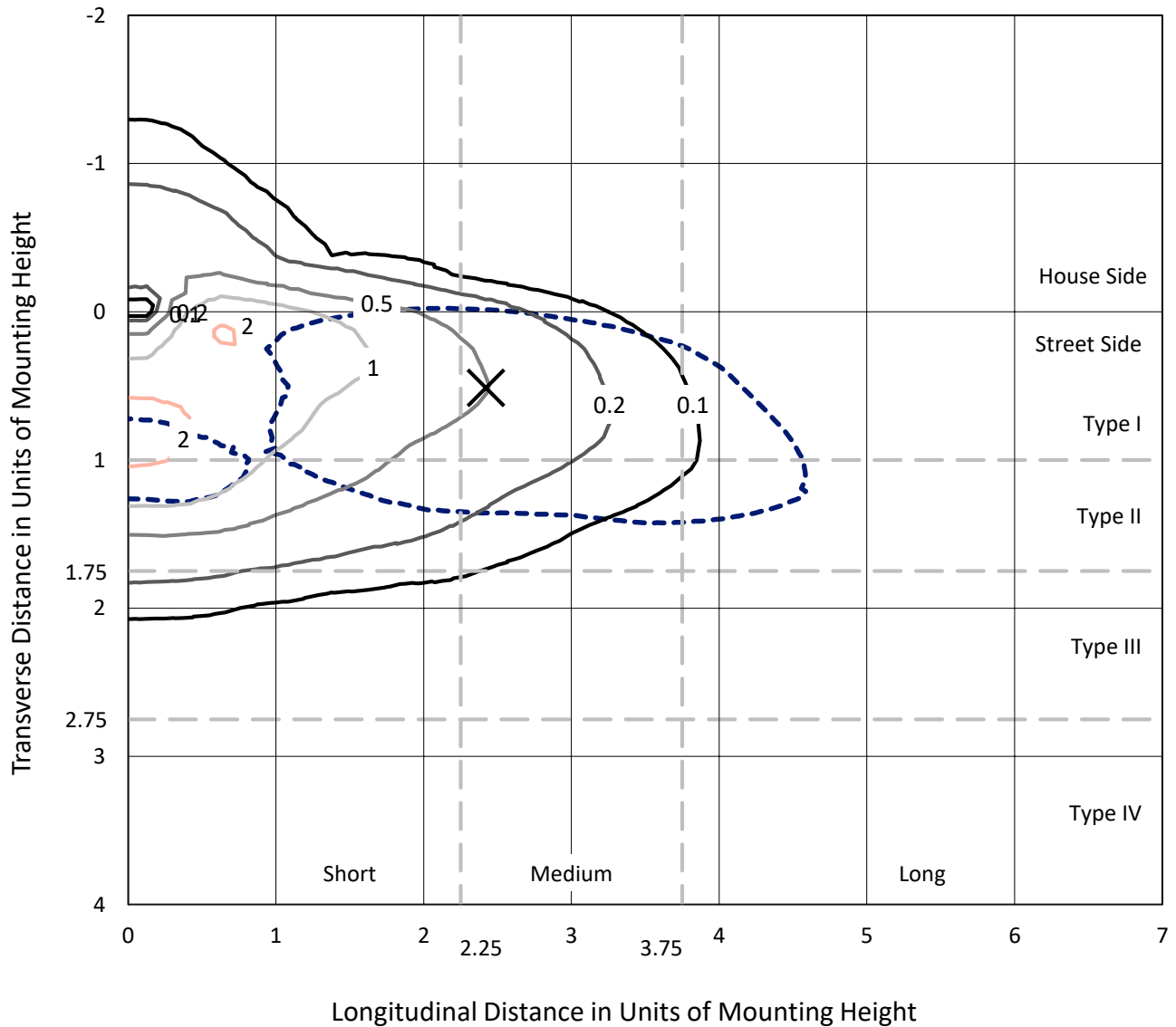
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

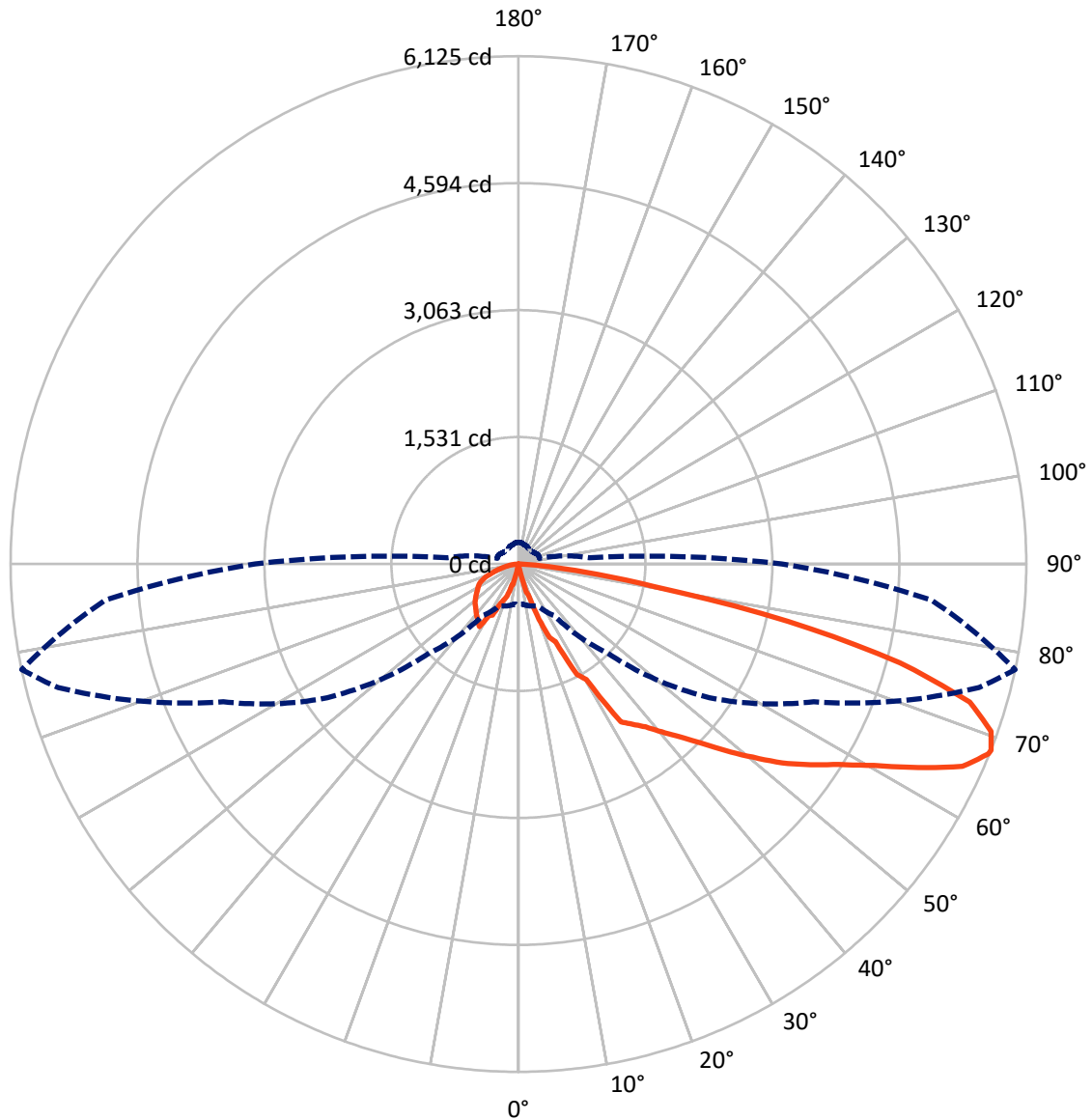
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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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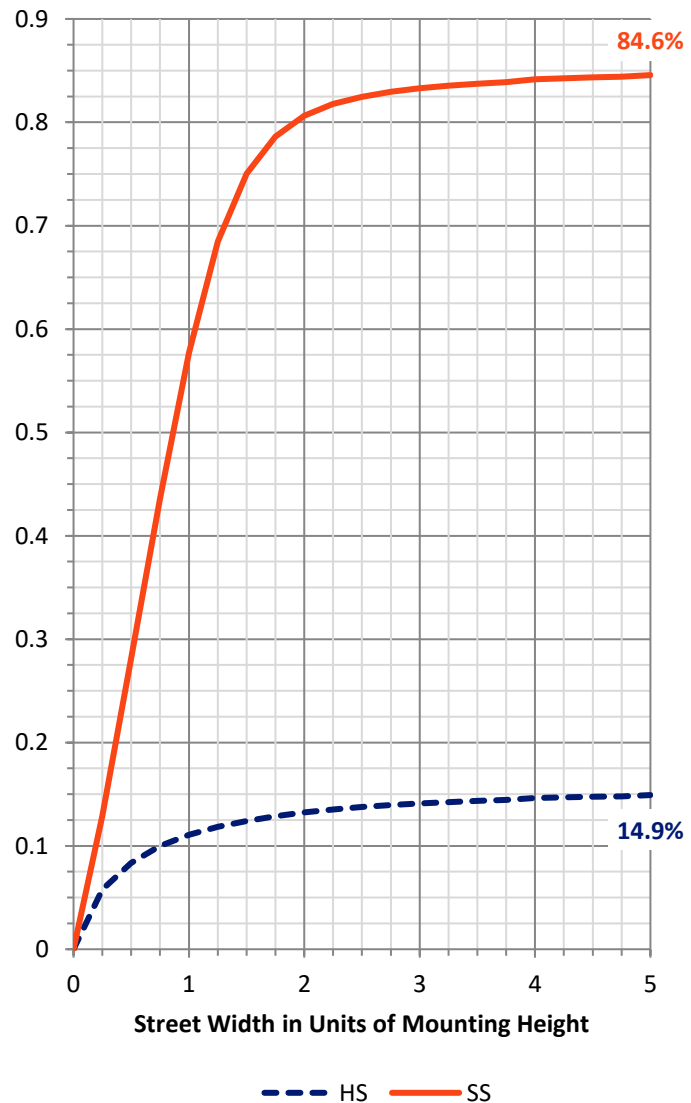
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1028.1	0.0	1028.1
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	5743.8	0.0	5743.8
	% Fixture	84.8	0.0	84.8
Total	Lumens	6772.0	0.0	6772.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.7	0.1
10°-20°	98.1	1.4
20°-30°	373.7	5.5
30°-40°	872.5	12.9
40°-50°	1362.1	20.1
50°-60°	1563.6	23.1
60°-70°	1452.9	21.5
70°-80°	897.7	13.3
80°-90°	144.6	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°	6772.0	100.0
0°-180°	6772.0	100.0



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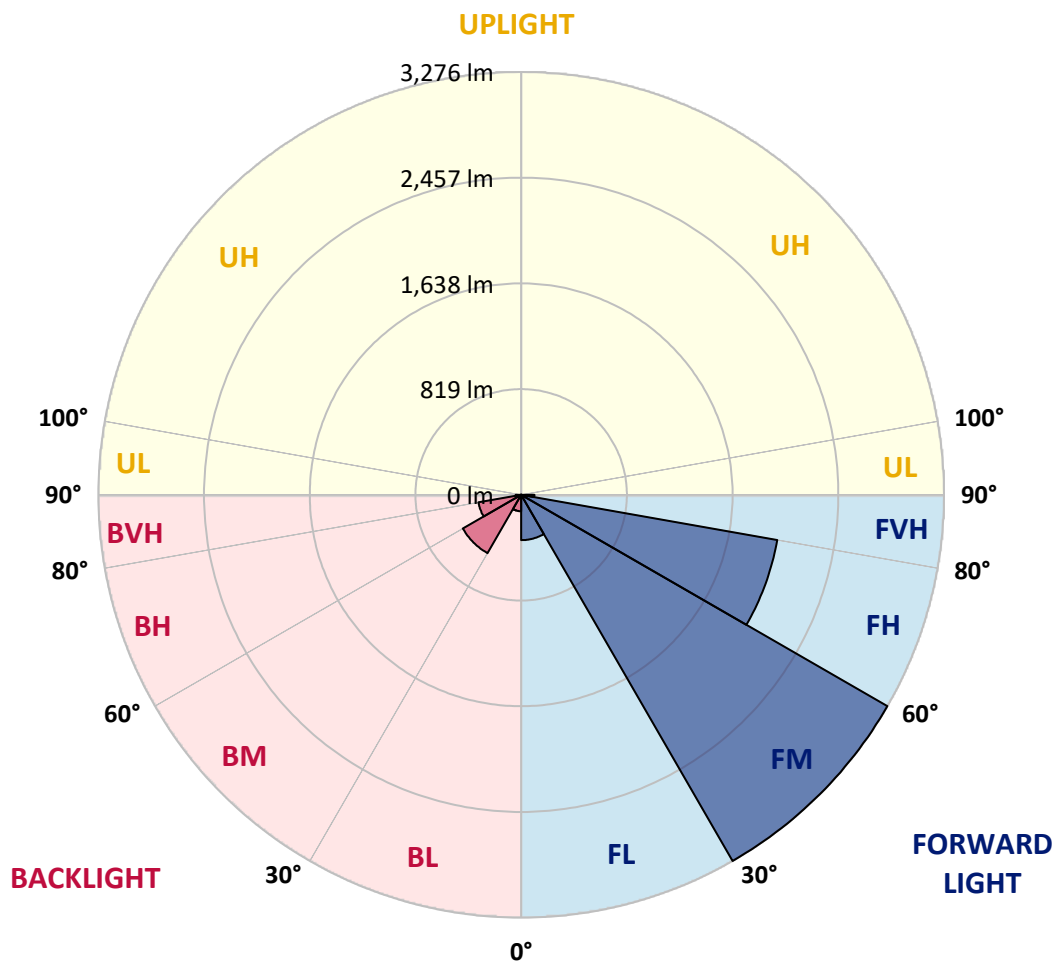
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	351.1	5.2			
FM (30°-60°)	3275.9	48.4			
FH (60°-80°)	2014.6	29.7			G2/5000
FVH (80°-90°)	102.3	1.5			G2/225
BL (0°-30°)	127.4	1.9	B1/500		
BM (30°-60°)	522.4	7.7	B1/1000		
BH (60°-80°)	336.1	5.0	B1/500		G1/500
BVH (80°-90°)	42.3	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°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
2.5°	5.2	5.2	5.9	6.7	8.2	7.4	5.2	3.7	3.0	3.0	3.0
5°	240.0	220.7	123.3	63.9	22.3	13.4	6.7	5.2	3.7	3.7	3.0
7.5°	271.2	269.7	267.5	265.2	261.5	247.4	26.0	7.4	4.5	4.5	3.0
10°	292.7	290.5	289.0	287.5	282.3	274.9	262.3	23.0	8.2	7.4	6.7
12.5°	568.4	566.9	564.7	361.1	306.1	297.9	286.8	205.1	23.8	35.7	107.7
15°	566.9	564.7	571.3	583.2	592.9	326.2	329.1	575.8	356.6	342.5	364.8
17.5°	591.4	588.4	581.0	589.2	607.0	682.0	644.9	623.3	419.8	400.5	389.3
20°	867.0	867.0	876.0	868.5	630.0	871.5	825.4	669.4	758.6	713.2	663.5
22.5°	917.6	913.8	915.3	930.2	1093.6	903.4	910.9	1032.7	1054.3	962.9	825.4
25°	1304.6	1303.9	1252.6	982.9	1153.1	1089.2	1258.6	1104.8	1143.4	1035.7	1012.7
27.5°	1468.1	1469.6	1428.0	1390.8	1218.5	1412.4	1335.9	1454.7	1624.1	1509.0	1297.2
30°	1975.5	1956.2	1629.3	1592.9	1491.1	1488.9	1617.4	1717.7	1670.2	1616.0	1448.8
32.5°	2347.8	2328.5	2256.4	2004.5	1772.7	1658.3	1858.2	1797.2	2179.1	2268.3	1964.4
35°	2923.6	2916.9	2534.3	2274.2	2081.8	2005.3	1952.5	2189.5	2358.9	2372.3	2092.2
37.5°	3365.6	3344.1	3119.7	2661.3	2343.3	2166.5	2292.1	2295.8	2555.8	2492.7	2292.1
40°	3567.7	3554.4	3382.0	2951.8	2584.0	2384.2	2434.7	2456.2	2771.3	2662.1	2437.7
42.5°	3721.5	3705.2	3596.0	3126.4	2795.8	2604.8	2581.8	2601.1	2980.0	2847.0	2593.7
45°	3801.0	3791.4	3740.1	3250.5	2943.6	2745.3	2739.3	2728.9	3121.9	3075.1	2763.1
47.5°	3756.4	3746.0	3769.1	3419.1	3035.8	2860.4	2885.7	2867.1	3284.7	3361.2	2947.3
50°	3509.0	3518.7	3610.8	3425.8	3094.5	2954.0	3040.2	2994.2	3506.1	3662.8	3171.0
52.5°	2792.8	2832.2	3222.2	3277.2	3100.4	2997.9	3179.2	3188.1	3781.0	3985.3	3465.2
55°	2084.0	2139.7	2485.2	2914.7	2981.5	2999.4	3268.3	3365.6	4055.1	4272.1	3712.6
57.5°	1640.5	1674.6	1894.6	2325.5	2694.7	2946.6	3359.7	3509.8	4310.0	4558.8	3955.6
60°	1311.3	1290.5	1433.9	1760.8	2246.0	2798.8	3399.8	3697.7	4627.2	4928.8	4241.6
62.5°	948.0	949.5	1058.7	1245.2	1777.9	2506.8	3368.6	3879.8	5031.4	5407.3	4622.7
65°	672.4	679.1	753.4	853.7	1285.3	2105.6	3214.1	4003.8	5487.6	5885.8	4932.6
67.5°	511.9	516.4	551.3	598.1	830.6	1601.8	2896.8	3978.6	5737.9	6112.4	5022.5
68°	491.1	483.7	523.0	557.2	764.5	1518.6	2809.9	3928.1	5749.8	6125.0	5000.9
70°	413.8	413.8	431.7	439.8	541.6	1122.6	2384.2	3622.7	5707.5	6047.0	4837.5
72.5°	345.5	343.3	353.7	347.0	382.6	734.8	1731.9	3124.2	5405.1	5691.1	4350.8
75°	287.5	287.5	289.0	283.8	293.5	492.6	1125.6	2447.3	4775.0	4752.0	3541.0
77.5°	245.2	239.2	237.7	230.3	238.5	358.1	690.2	1741.5	3447.4	3323.3	2248.2
80°	194.7	193.9	195.4	190.9	197.6	260.8	420.5	1017.9	1877.5	1652.4	1048.3
82.5°	120.4	132.2	145.6	145.6	166.4	184.3	254.8	544.6	910.1	800.2	445.0
85°	39.4	48.3	85.4	88.4	107.0	86.2	146.4	175.3	303.9	271.2	85.4
87.5°	1.5	2.2	6.7	10.4	9.7	5.9	10.4	8.2	17.1	12.6	13.4
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°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
2.5°	3.0	3.0	3.0	3.7	3.7	2.2	1.5	3.0	3.0	3.0	3.0
5°	3.0	3.0	3.7	3.7	3.7	3.0	3.7	5.2	5.9	5.9	5.9
7.5°	3.0	3.0	3.0	4.5	4.5	5.2	7.4	44.6	102.5	112.2	110.7
10°	5.9	5.2	5.9	6.7	8.2	95.1	124.8	131.5	134.5	136.7	136.0
12.5°	142.6	127.8	23.8	13.4	89.9	133.7	136.0	141.2	146.4	148.6	148.6
15°	334.3	299.4	228.8	172.4	153.8	142.6	144.9	190.2	258.6	265.2	266.0
17.5°	355.1	311.3	239.2	263.8	271.9	211.7	232.5	261.5	264.5	265.2	265.2
20°	669.4	560.9	340.3	277.9	277.1	354.4	248.2	255.6	260.0	295.7	300.2
22.5°	724.4	601.1	408.6	394.5	298.7	354.4	324.7	315.8	345.5	342.5	344.7
25°	910.9	721.4	430.2	396.0	418.3	343.3	381.1	314.3	319.5	318.0	318.0
27.5°	1158.3	910.1	601.1	443.6	406.4	396.7	352.9	302.4	362.6	364.1	364.1
30°	1226.6	936.1	601.1	479.2	422.7	390.1	326.2	357.4	337.3	331.4	328.4
32.5°	1699.9	1269.7	727.4	461.4	416.8	358.1	357.4	332.1	331.4	344.7	344.7
35°	1786.1	1289.0	664.2	527.5	393.0	369.3	339.5	335.8	321.0	315.8	315.0
37.5°	1871.5	1300.9	615.9	484.4	403.4	352.2	334.3	308.3	324.7	324.7	323.2
40°	1962.9	1313.6	572.1	445.0	370.7	352.2	309.8	307.6	285.3	286.8	285.3
42.5°	2061.0	1318.8	525.3	412.3	340.3	330.6	299.4	276.4	275.6	280.8	279.4
45°	2173.2	1325.5	482.2	370.7	309.8	291.2	267.5	269.0	283.1	295.0	295.0
47.5°	2292.8	1331.4	446.5	333.6	288.3	264.5	246.7	252.6	277.9	289.8	293.5
50°	2454.8	1338.8	405.7	303.1	273.4	244.4	241.5	246.7	274.2	283.1	279.4
52.5°	2627.1	1325.5	365.5	283.8	257.8	222.1	227.3	240.7	270.4	274.9	271.9
55°	2768.3	1292.0	334.3	271.2	246.7	212.5	219.9	236.3	264.5	266.7	267.5
57.5°	2932.5	1248.2	309.8	261.5	240.0	208.0	216.9	235.5	252.6	263.0	263.0
60°	3093.7	1196.9	295.0	256.3	234.8	208.0	216.9	234.8	250.4	261.5	260.8
62.5°	3282.4	1139.0	286.0	259.3	228.1	210.3	218.4	237.0	249.6	262.3	260.8
65°	3348.6	1028.3	279.4	263.8	227.3	213.2	219.2	240.0	248.9	263.8	262.3
67.5°	3217.8	881.9	268.2	263.8	234.0	216.9	218.4	238.5	246.7	264.5	257.8
68°	3174.0	860.4	264.5	263.0	234.8	217.7	218.4	237.7	245.2	263.8	256.3
70°	2930.3	723.6	245.9	255.6	237.7	220.7	214.7	232.5	237.7	262.3	253.4
72.5°	2535.7	563.9	214.7	237.7	234.8	225.1	208.0	222.1	225.1	245.2	230.3
75°	2027.6	428.7	177.6	206.5	220.7	225.1	198.4	208.0	207.3	216.9	203.6
77.5°	1274.9	306.1	143.4	175.3	200.6	219.2	189.5	189.5	180.5	182.0	176.1
80°	618.1	209.5	115.9	144.9	167.9	207.3	173.9	159.7	148.6	145.6	138.2
82.5°	303.9	135.2	80.2	109.2	133.0	171.6	156.0	131.5	112.2	110.7	98.8
85°	70.6	55.7	43.8	58.0	84.0	112.2	112.2	82.5	69.8	90.6	66.9
87.5°	6.7	8.2	8.9	8.2	10.4	9.7	23.8	23.8	21.5	14.1	9.7
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)