

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: P416734

Luminaire Tested: **LXF.LXT-PA1-80-730-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416734
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-730-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8398 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U0 - G3

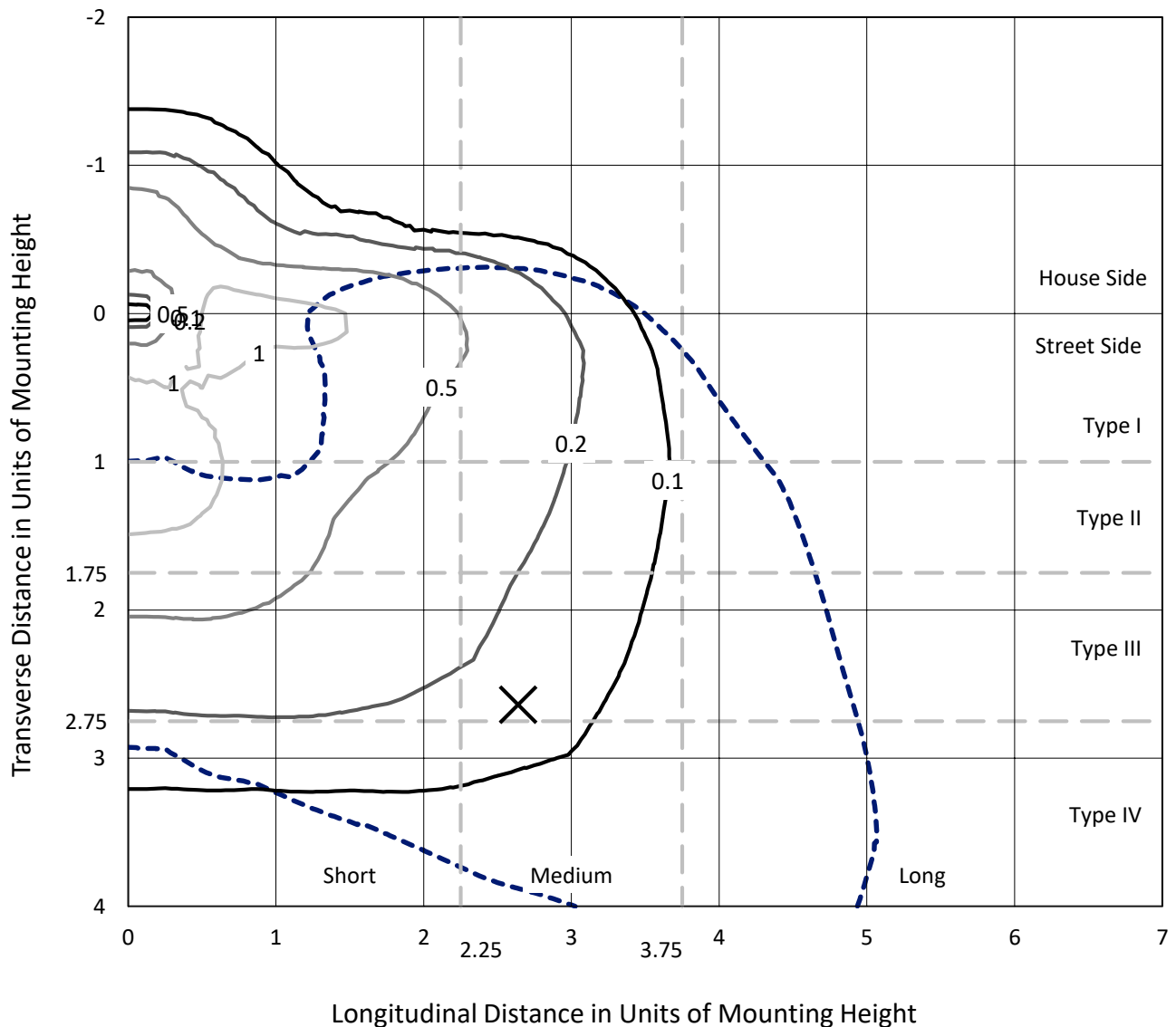
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

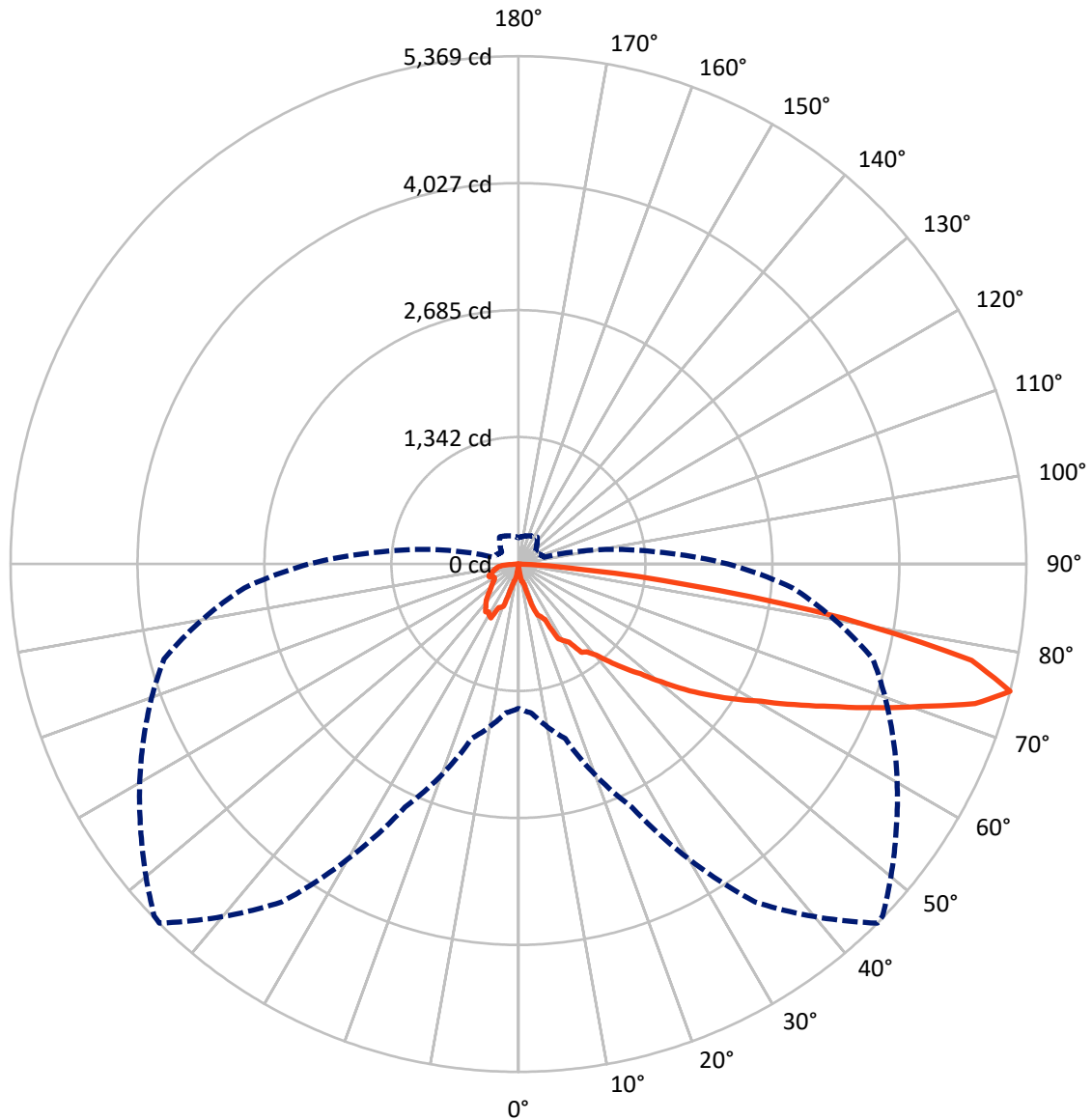
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical



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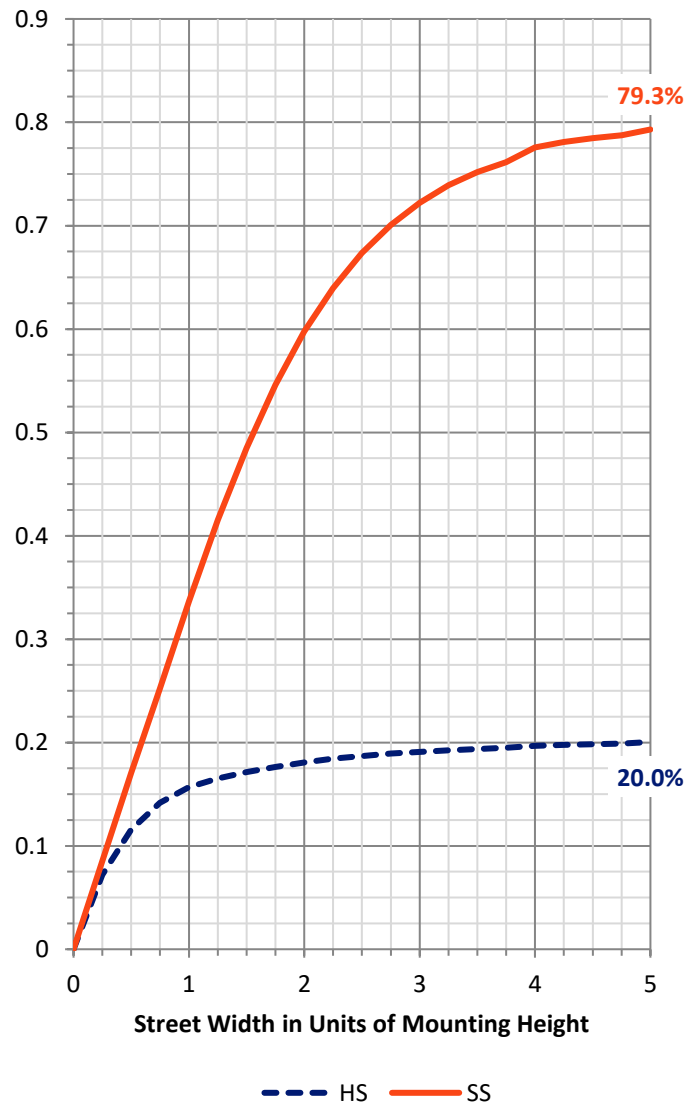
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1722.4	0.0	1722.4
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	6675.6	0.0	6675.6
	% Fixture	79.5	0.0	79.5
Total	Lumens	8398.0	0.0	8398.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.1
10°-20°	86.7	1.0
20°-30°	322.7	3.8
30°-40°	664.8	7.9
40°-50°	1054.2	12.6
50°-60°	1666.5	19.8
60°-70°	2341.3	27.9
70°-80°	1949.0	23.2
80°-90°	307.3	3.7
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°	8398.0	100.0
0°-180°	8398.0	100.0

Coefficient of Utilization



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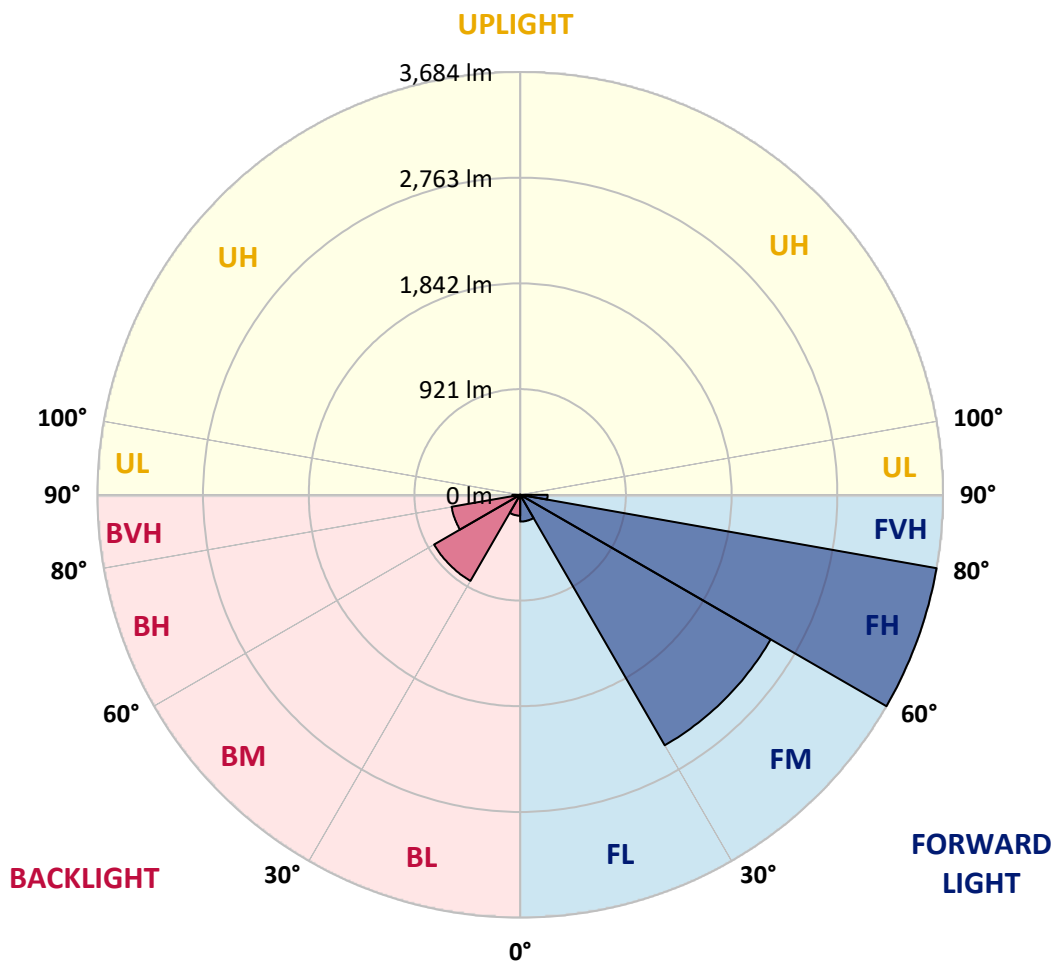
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	233.2	2.8			
FM	(30°-60°)	2519.8	30.0			
FH	(60°-80°)	3683.9	43.9			G2/5000
FVH	(80°-90°)	238.7	2.8			G3/500
BL	(0°-30°)	181.7	2.2	B1/500		
BM	(30°-60°)	865.7	10.3	B1/1000		
BH	(60°-80°)	606.4	7.2	B2/1000		G2/1000
BVH	(80°-90°)	68.7	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	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°	4.6	4.6	4.6	4.6	4.6	3.6	3.6	2.7	3.6	3.6	3.6
5°	64.7	61.0	48.3	42.8	35.5	14.6	11.8	5.5	4.6	4.6	3.6
7.5°	192.2	190.4	187.6	181.2	173.0	108.4	93.8	33.7	6.4	4.6	3.6
10°	212.2	208.6	204.0	197.6	190.4	181.2	180.3	165.8	30.1	10.0	8.2
12.5°	417.1	409.9	342.5	247.7	204.9	194.0	194.0	187.6	135.7	47.4	111.1
15°	448.1	444.5	431.7	415.3	390.7	225.0	220.4	293.3	361.6	253.2	268.7
17.5°	503.7	495.5	456.3	436.3	418.1	453.6	450.8	419.9	396.2	280.5	301.5
20°	702.2	697.7	681.3	488.2	449.9	573.8	575.6	476.3	430.8	496.4	492.7
22.5°	718.6	717.7	705.9	676.7	713.1	602.0	602.9	633.0	629.4	658.5	597.5
25°	939.9	937.2	760.5	697.7	778.7	648.5	677.6	785.1	701.3	714.1	745.9
27.5°	964.5	962.7	952.7	909.0	806.0	893.5	893.5	811.5	893.5	935.4	940.8
30°	1096.6	1062.0	991.8	970.9	939.0	938.1	940.8	939.9	1033.7	979.1	1033.7
32.5°	1289.7	1282.4	1256.9	1052.9	1043.8	983.7	1014.6	1085.7	1079.3	1245.0	1316.1
35°	1568.4	1469.1	1378.9	1215.0	1083.8	1145.8	1150.3	1125.7	1256.9	1309.7	1409.9
37.5°	1957.3	1930.0	1802.5	1368.0	1207.7	1177.7	1180.4	1260.5	1336.1	1394.4	1506.4
40°	2240.5	2226.0	2137.6	1674.9	1324.3	1264.2	1270.6	1322.5	1392.6	1496.4	1613.0
42.5°	2512.0	2512.0	2460.0	1937.2	1574.8	1411.7	1407.2	1418.1	1468.2	1577.5	1770.6
45°	2688.7	2678.6	2722.3	2184.1	1761.5	1570.2	1552.9	1550.2	1568.4	1697.7	1981.9
47.5°	2866.3	2838.9	2880.8	2433.6	2005.6	1734.1	1736.0	1702.3	1726.9	1925.4	2270.6
50°	3053.9	3059.3	3053.9	2644.0	2245.1	1957.3	1941.8	1899.0	1948.2	2192.3	2593.9
52.5°	3321.6	3302.5	3248.8	2911.8	2551.1	2205.0	2180.4	2118.5	2234.2	2506.5	2998.3
55°	3516.6	3498.3	3483.8	3198.7	2786.1	2444.6	2430.0	2361.7	2578.4	2823.4	3415.5
57.5°	3728.8	3706.9	3748.8	3590.3	3155.0	2695.0	2675.9	2634.0	2931.8	3185.0	3839.9
60°	3871.8	3872.7	3987.4	3872.7	3462.8	2945.5	2927.3	2958.2	3255.2	3516.6	4298.0
62.5°	3871.8	3901.8	4154.1	4181.4	3792.5	3272.5	3240.6	3257.9	3606.7	3864.5	4674.2
65°	3504.7	3542.1	4130.4	4270.7	4123.1	3625.9	3610.4	3599.4	3939.2	4139.5	4969.3
67.5°	3130.4	3176.8	3771.6	4275.2	4393.6	4054.8	3998.4	3906.4	4226.1	4344.5	5127.7
70°	2870.8	2909.1	3381.8	4128.6	4568.5	4504.8	4467.4	4225.2	4418.2	4474.7	4949.2
72.5°	2449.1	2452.8	2873.5	3818.9	4686.0	5048.5	4961.1	4578.5	4526.6	4390.0	4196.9
75°	1526.5	1582.0	1909.9	2834.4	4361.8	5369.1	5352.7	4875.5	4371.8	3879.1	2910.0
77.5°	568.3	601.1	798.8	1455.4	3121.3	4897.3	4911.9	4553.0	3697.8	2810.7	1562.9
80°	184.9	198.6	264.1	469.1	1386.2	3485.6	3599.4	3229.7	2267.9	1428.1	658.5
82.5°	102.9	99.3	153.0	243.2	592.0	1806.1	1880.8	1552.9	1069.3	597.5	245.9
85°	47.4	49.2	72.9	132.1	316.0	503.7	543.7	531.0	405.3	245.9	90.2
87.5°	10.0	11.8	16.4	31.0	49.2	42.8	31.0	54.6	79.2	58.3	15.5
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°	3.6	3.6	2.7	2.7	1.8	1.8	0.9	0.9	1.8	1.8	1.8
5°	3.6	3.6	2.7	2.7	2.7	2.7	3.6	6.4	7.3	8.2	7.3
7.5°	3.6	3.6	3.6	3.6	4.6	9.1	42.8	131.2	139.4	142.1	145.7
10°	8.2	7.3	7.3	8.2	28.2	137.5	165.8	174.9	179.4	182.2	181.2
12.5°	126.6	125.7	46.5	28.2	132.1	174.0	178.5	184.0	193.1	202.2	198.6
15°	267.8	266.9	245.9	255.0	256.8	189.4	193.1	316.0	337.0	350.7	355.2
17.5°	291.5	294.2	286.0	352.5	360.7	286.9	321.5	352.5	359.8	364.3	365.2
20°	541.0	486.4	416.2	394.4	384.4	473.6	358.9	362.5	468.1	501.8	505.5
22.5°	594.7	590.2	551.9	568.3	480.0	493.6	464.5	490.0	537.4	547.4	547.4
25°	767.8	759.6	630.3	592.0	609.3	507.3	586.5	533.7	551.0	569.2	571.1
27.5°	943.6	933.6	841.6	665.8	603.9	640.3	595.7	643.9	696.8	722.3	723.2
30°	1025.5	1011.9	878.0	750.5	628.4	626.6	625.7	712.2	707.7	724.1	728.6
32.5°	1362.5	1340.7	1122.1	737.7	652.1	595.7	664.0	693.1	796.9	847.9	853.4
35°	1444.5	1417.2	1127.6	816.1	615.7	613.9	615.7	711.3	767.8	804.2	812.4
37.5°	1538.3	1501.0	1114.8	765.1	630.3	572.0	585.6	642.1	765.1	847.0	853.4
40°	1654.9	1597.5	1111.2	714.1	587.5	541.0	538.3	613.9	668.5	718.6	723.2
42.5°	1816.1	1724.1	1105.7	661.2	537.4	503.7	508.2	541.0	584.7	580.2	587.5
45°	2030.1	1881.7	1096.6	614.8	486.4	457.2	454.5	478.2	498.2	469.1	460.9
47.5°	2297.9	2076.6	1111.2	570.2	439.0	411.7	412.6	422.6	426.2	394.4	387.1
50°	2602.1	2297.0	1126.6	521.0	400.7	379.8	375.2	378.9	373.4	342.5	339.7
52.5°	2964.6	2555.7	1134.8	474.5	369.8	353.4	347.9	345.2	337.0	316.0	313.3
55°	3384.5	2866.3	1152.1	437.2	344.3	328.8	326.1	322.4	319.7	307.8	306.0
57.5°	3814.4	3208.7	1142.1	398.9	319.7	306.0	311.5	317.9	325.2	320.6	319.7
60°	4208.8	3481.9	1018.3	365.2	296.0	292.4	316.0	346.1	351.6	356.1	355.2
62.5°	4503.9	3619.5	807.9	336.1	279.6	293.3	350.7	392.6	387.1	375.2	372.5
65°	4607.7	3581.2	622.1	314.2	271.4	317.9	387.1	408.9	378.0	356.1	351.6
67.5°	4538.5	3392.7	481.8	296.0	266.9	338.8	399.8	393.5	357.9	341.5	335.2
70°	4184.2	3000.1	382.5	280.5	262.3	326.1	393.5	375.2	341.5	327.0	317.0
72.5°	3423.7	2372.6	327.9	263.2	243.2	299.6	373.4	350.7	327.0	307.8	298.7
75°	2214.1	1459.1	285.1	243.2	217.7	271.4	347.9	327.0	306.9	287.8	278.7
77.5°	1065.6	663.1	249.6	218.6	194.0	250.5	327.0	302.4	282.3	263.2	252.3
80°	449.0	313.3	213.1	194.0	176.7	235.0	304.2	276.0	253.2	239.5	227.7
82.5°	218.6	173.0	162.1	157.6	153.9	214.0	279.6	245.0	221.3	208.6	182.2
85°	73.8	74.7	100.2	97.5	108.4	171.2	228.6	185.8	165.8	143.9	134.8
87.5°	7.3	10.0	13.7	17.3	35.5	47.4	78.3	63.8	50.1	19.1	12.8
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)