

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: P417098

Luminaire Tested: **LXF.LXT-PA1-90-727-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417098
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-PA1-90-727-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8314 lumens
Efficiency: N/A
Efficacy: 88.4 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

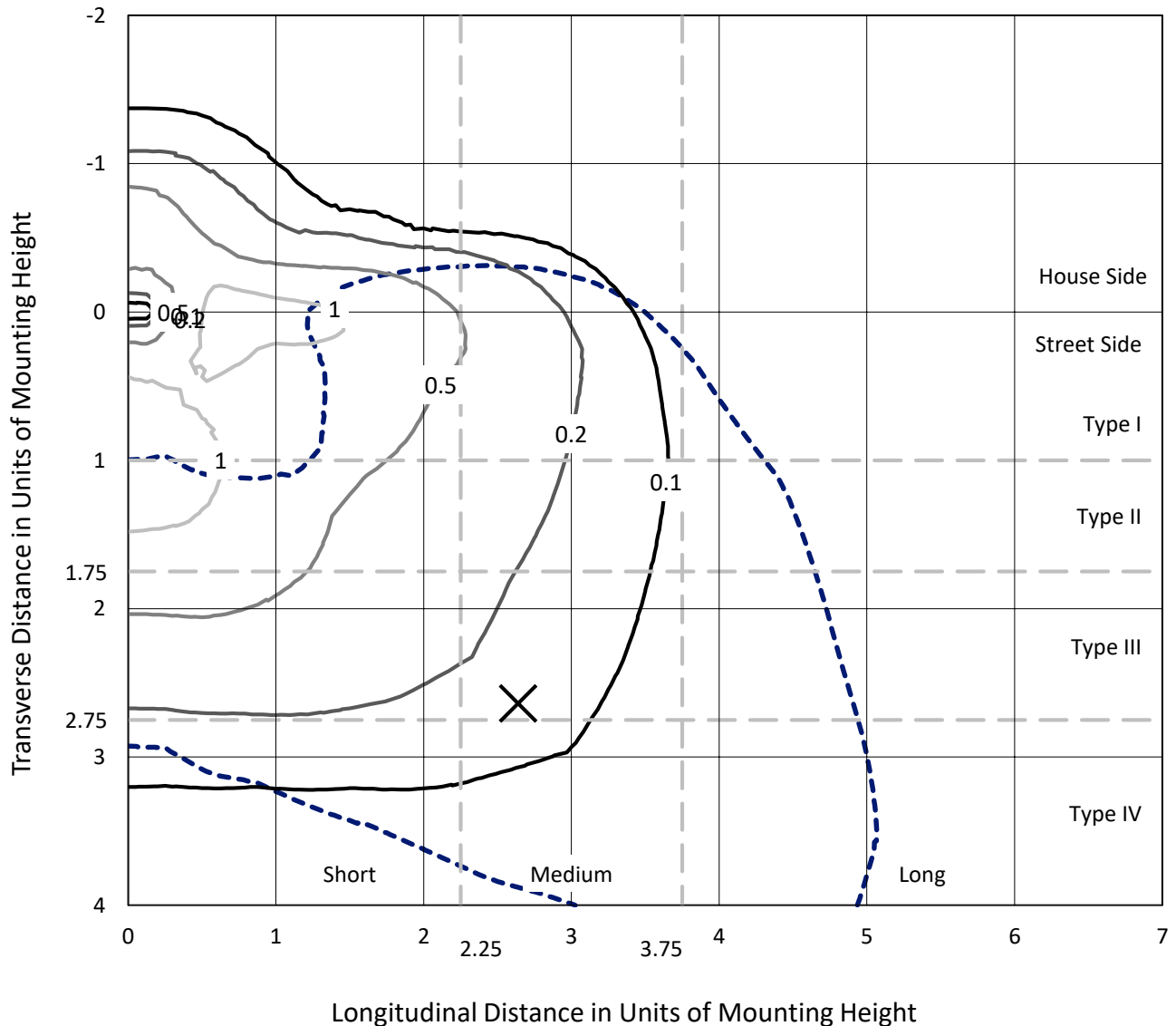
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

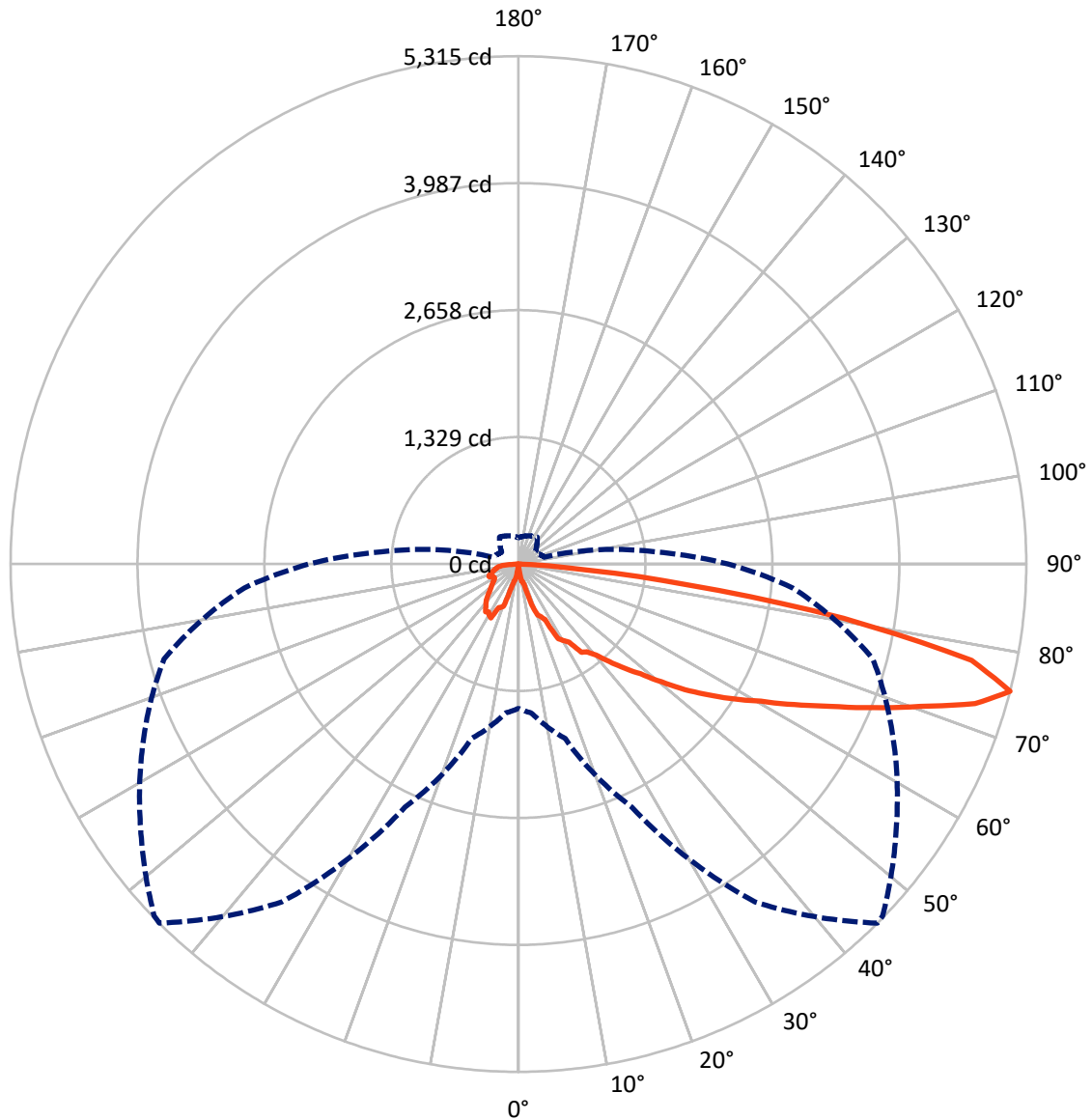
× Max cd
 - - - 1/2 Max cd



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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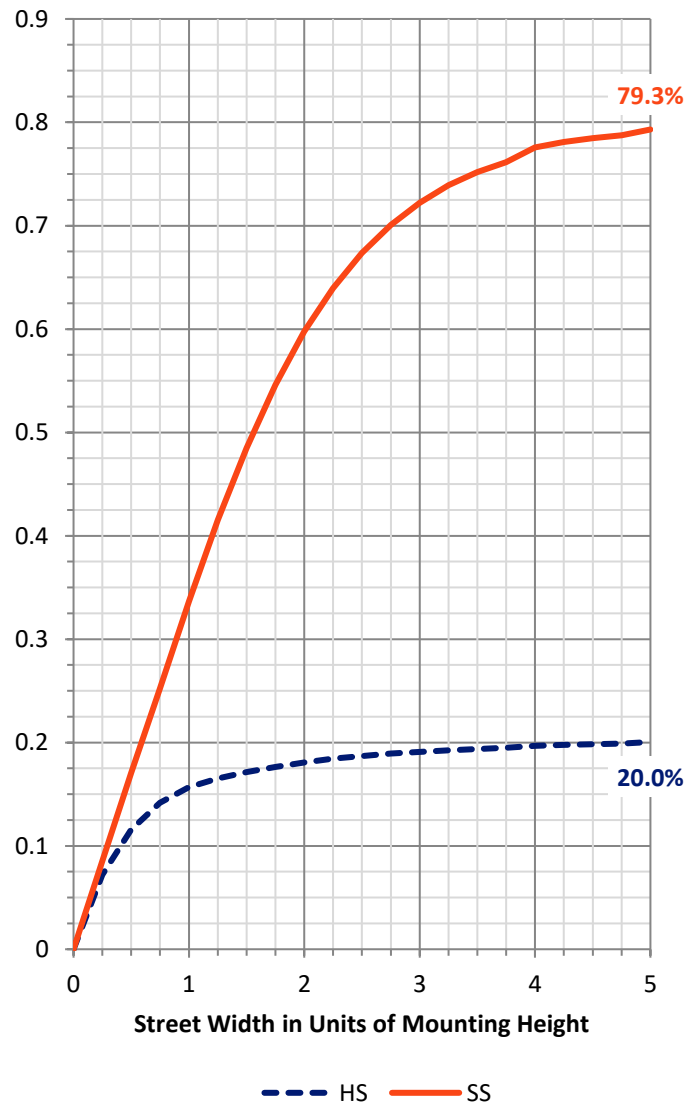
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1705.2	0.0	1705.2
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	6608.8	0.0	6608.8
	% Fixture	79.5	0.0	79.5
Total	Lumens	8314.0	0.0	8314.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.1
10°-20°	85.9	1.0
20°-30°	319.5	3.8
30°-40°	658.2	7.9
40°-50°	1043.6	12.6
50°-60°	1649.8	19.8
60°-70°	2317.8	27.9
70°-80°	1929.5	23.2
80°-90°	304.3	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°	8314.0	100.0
0°-180°	8314.0	100.0



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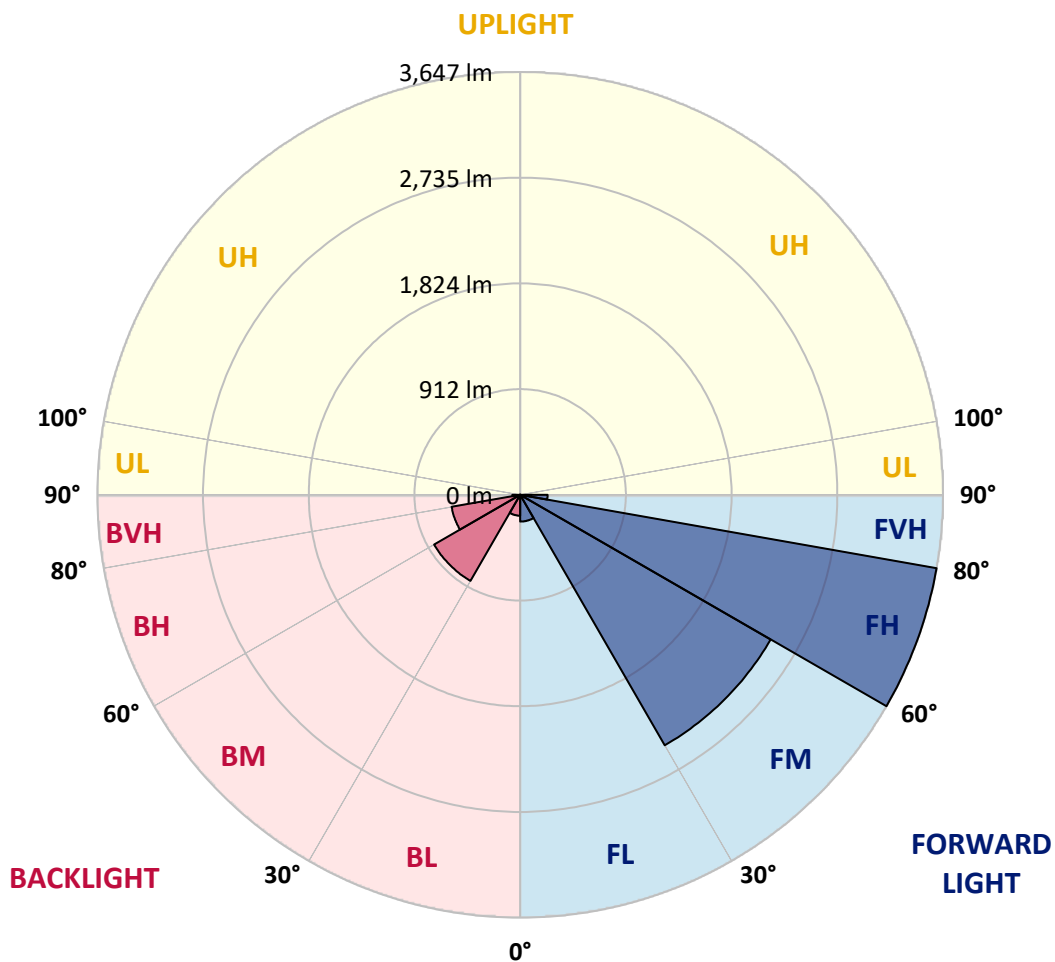
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	230.9	2.8			
FM	(30°-60°)	2494.6	30.0			
FH	(60°-80°)	3647.1	43.9			G2/5000
FVH	(80°-90°)	236.3	2.8			G3/500
BL	(0°-30°)	179.9	2.2	B1/500		
BM	(30°-60°)	857.0	10.3	B1/1000		
BH	(60°-80°)	600.3	7.2	B2/1000		G2/1000
BVH	(80°-90°)	68.0	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°	4.5	4.5	4.5	4.5	4.5	3.6	3.6	2.7	3.6	3.6	3.6
5°	64.0	60.4	47.8	42.4	35.2	14.4	11.7	5.4	4.5	4.5	3.6
7.5°	190.3	188.5	185.7	179.4	171.3	107.3	92.9	33.4	6.3	4.5	3.6
10°	210.1	206.5	202.0	195.7	188.5	179.4	178.5	164.1	29.8	9.9	8.1
12.5°	413.0	405.8	339.0	245.3	202.9	192.1	192.1	185.7	134.4	46.9	110.0
15°	443.6	440.0	427.4	411.2	386.8	222.7	218.2	290.3	358.0	250.7	266.0
17.5°	498.6	490.5	451.7	431.9	413.9	449.0	446.3	415.7	392.2	277.7	298.5
20°	695.2	690.7	674.5	483.3	445.4	568.1	569.9	471.6	426.5	491.4	487.8
22.5°	711.4	710.5	698.8	669.9	706.0	596.0	596.9	626.7	623.1	651.9	591.5
25°	930.5	927.8	752.9	690.7	770.9	642.0	670.8	777.2	694.3	706.9	738.5
27.5°	954.9	953.1	943.2	899.9	798.0	884.5	884.5	803.4	884.5	926.0	931.4
30°	1085.6	1051.4	981.9	961.2	929.6	928.7	931.4	930.5	1023.4	969.3	1023.4
32.5°	1276.8	1269.6	1244.3	1042.3	1033.3	973.8	1004.5	1074.8	1068.5	1232.6	1302.9
35°	1552.7	1454.4	1365.1	1202.8	1073.0	1134.3	1138.8	1114.5	1244.3	1296.6	1395.8
37.5°	1937.7	1910.7	1784.4	1354.3	1195.6	1165.9	1168.6	1247.9	1322.8	1380.5	1491.4
40°	2218.1	2203.7	2116.2	1658.2	1311.0	1251.5	1257.8	1309.2	1378.7	1481.5	1596.9
42.5°	2486.8	2486.8	2435.4	1917.9	1559.0	1397.6	1393.1	1403.9	1453.5	1561.7	1752.9
45°	2661.8	2651.8	2695.1	2162.2	1743.8	1554.5	1537.4	1534.7	1552.7	1680.7	1962.1
47.5°	2837.6	2810.5	2852.0	2409.3	1985.5	1716.8	1718.6	1685.2	1709.6	1906.2	2247.9
50°	3023.3	3028.7	3023.3	2617.6	2222.6	1937.7	1922.4	1880.0	1928.7	2170.3	2568.0
52.5°	3288.4	3269.5	3216.3	2882.7	2525.6	2183.0	2158.6	2097.3	2211.8	2481.4	2968.3
55°	3481.4	3463.4	3448.9	3166.7	2758.2	2420.1	2405.7	2338.1	2552.7	2795.2	3381.3
57.5°	3691.5	3669.8	3711.3	3554.4	3123.4	2668.1	2649.1	2607.7	2902.5	3153.2	3801.5
60°	3833.0	3833.9	3947.6	3833.9	3428.2	2916.0	2898.0	2928.7	3222.6	3481.4	4255.0
62.5°	3833.0	3862.8	4112.6	4139.6	3754.6	3239.7	3208.2	3225.3	3570.7	3825.8	4627.4
65°	3469.7	3506.6	4089.1	4228.0	4081.9	3589.6	3574.3	3563.4	3899.8	4098.1	4919.6
67.5°	3099.1	3145.1	3733.9	4232.5	4349.7	4014.3	3958.4	3867.3	4183.8	4301.0	5076.5
70°	2842.1	2880.0	3347.9	4087.3	4522.8	4459.7	4422.7	4182.9	4374.0	4430.0	4899.7
72.5°	2424.6	2428.2	2844.8	3780.7	4639.1	4998.0	4911.4	4532.7	4481.3	4346.1	4154.9
75°	1511.2	1566.2	1890.8	2806.0	4318.1	5315.4	5299.2	4826.7	4328.1	3840.3	2880.9
77.5°	562.6	595.1	790.8	1440.9	3090.1	4848.3	4862.8	4507.5	3660.8	2782.6	1547.3
80°	183.0	196.6	261.5	464.4	1372.4	3450.7	3563.4	3197.4	2245.2	1413.8	651.9
82.5°	101.9	98.3	151.5	240.7	586.1	1788.0	1862.0	1537.4	1058.6	591.5	243.5
85°	46.9	48.7	72.1	130.7	312.9	498.6	538.3	525.7	401.2	243.5	89.3
87.5°	9.9	11.7	16.2	30.7	48.7	42.4	30.7	54.1	78.4	57.7	15.3
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	6.3	7.2	8.1	7.2
7.5°	3.6	3.6	3.6	3.6	4.5	9.0	42.4	129.8	138.0	140.7	144.3
10°	8.1	7.2	7.2	8.1	28.0	136.2	164.1	173.1	177.6	180.3	179.4
12.5°	125.3	124.4	46.0	28.0	130.7	172.2	176.7	182.1	191.2	200.2	196.6
15°	265.1	264.2	243.5	252.5	254.3	187.5	191.2	312.9	333.6	347.1	351.7
17.5°	288.5	291.2	283.1	348.9	357.1	284.0	318.3	348.9	356.2	360.7	361.6
20°	535.6	481.5	412.1	390.4	380.5	468.9	355.3	358.9	463.5	496.8	500.4
22.5°	588.8	584.3	546.4	562.6	475.2	488.7	459.9	485.1	532.0	541.9	541.9
25°	760.1	752.0	624.0	586.1	603.2	502.2	580.7	528.4	545.5	563.5	565.4
27.5°	934.1	924.2	833.2	659.1	597.8	633.9	589.7	637.5	689.8	715.0	715.9
30°	1015.3	1001.8	869.2	743.0	622.2	620.4	619.5	705.1	700.6	716.8	721.3
32.5°	1348.9	1327.3	1110.9	730.4	645.6	589.7	657.3	686.2	789.0	839.5	844.9
35°	1430.1	1403.0	1116.3	807.9	609.5	607.7	609.5	704.2	760.1	796.2	804.3
37.5°	1522.9	1486.0	1103.7	757.4	624.0	566.3	579.8	635.7	757.4	838.6	844.9
40°	1638.4	1581.5	1100.0	706.9	581.6	535.6	532.9	607.7	661.8	711.4	715.9
42.5°	1797.9	1706.9	1094.6	654.6	532.0	498.6	503.1	535.6	578.9	574.4	581.6
45°	2009.8	1862.9	1085.6	608.6	481.5	452.6	449.9	473.4	493.2	464.4	456.2
47.5°	2274.9	2055.8	1100.0	564.5	434.6	407.6	408.5	418.4	422.0	390.4	383.2
50°	2576.1	2274.0	1115.4	515.8	396.7	376.0	371.5	375.1	369.7	339.0	336.3
52.5°	2935.0	2530.1	1123.5	469.8	366.1	349.9	344.4	341.7	333.6	312.9	310.2
55°	3350.6	2837.6	1140.6	432.8	340.8	325.5	322.8	319.2	316.5	304.8	303.0
57.5°	3776.2	3176.6	1130.7	394.9	316.5	303.0	308.4	314.7	321.9	317.4	316.5
60°	4166.7	3447.1	1008.1	361.6	293.0	289.4	312.9	342.6	348.0	352.6	351.7
62.5°	4458.8	3583.3	799.8	332.7	276.8	290.3	347.1	388.6	383.2	371.5	368.8
65°	4561.6	3545.4	615.8	311.1	268.7	314.7	383.2	404.9	374.2	352.6	348.0
67.5°	4493.1	3358.8	477.0	293.0	264.2	335.4	395.8	389.5	354.4	338.1	331.8
70°	4142.3	2970.1	378.7	277.7	259.7	322.8	389.5	371.5	338.1	323.7	313.8
72.5°	3389.4	2348.9	324.6	260.6	240.7	296.7	369.7	347.1	323.7	304.8	295.8
75°	2192.0	1444.5	282.2	240.7	215.5	268.7	344.4	323.7	303.9	284.9	275.9
77.5°	1055.0	656.4	247.1	216.4	192.1	248.0	323.7	299.4	279.5	260.6	249.8
80°	444.5	310.2	211.0	192.1	174.9	232.6	301.2	273.2	250.7	237.1	225.4
82.5°	216.4	171.3	160.5	156.0	152.4	211.9	276.8	242.6	219.1	206.5	180.3
85°	73.0	73.9	99.2	96.5	107.3	169.5	226.3	183.9	164.1	142.5	133.4
87.5°	7.2	9.9	13.5	17.1	35.2	46.9	77.5	63.1	49.6	18.9	12.6
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)