

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: P417123

Luminaire Tested: **LXF.LXT-PA1-90-730-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417123
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-PA1-90-730-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8950 lumens
Efficiency: N/A
Efficacy: 95.2 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

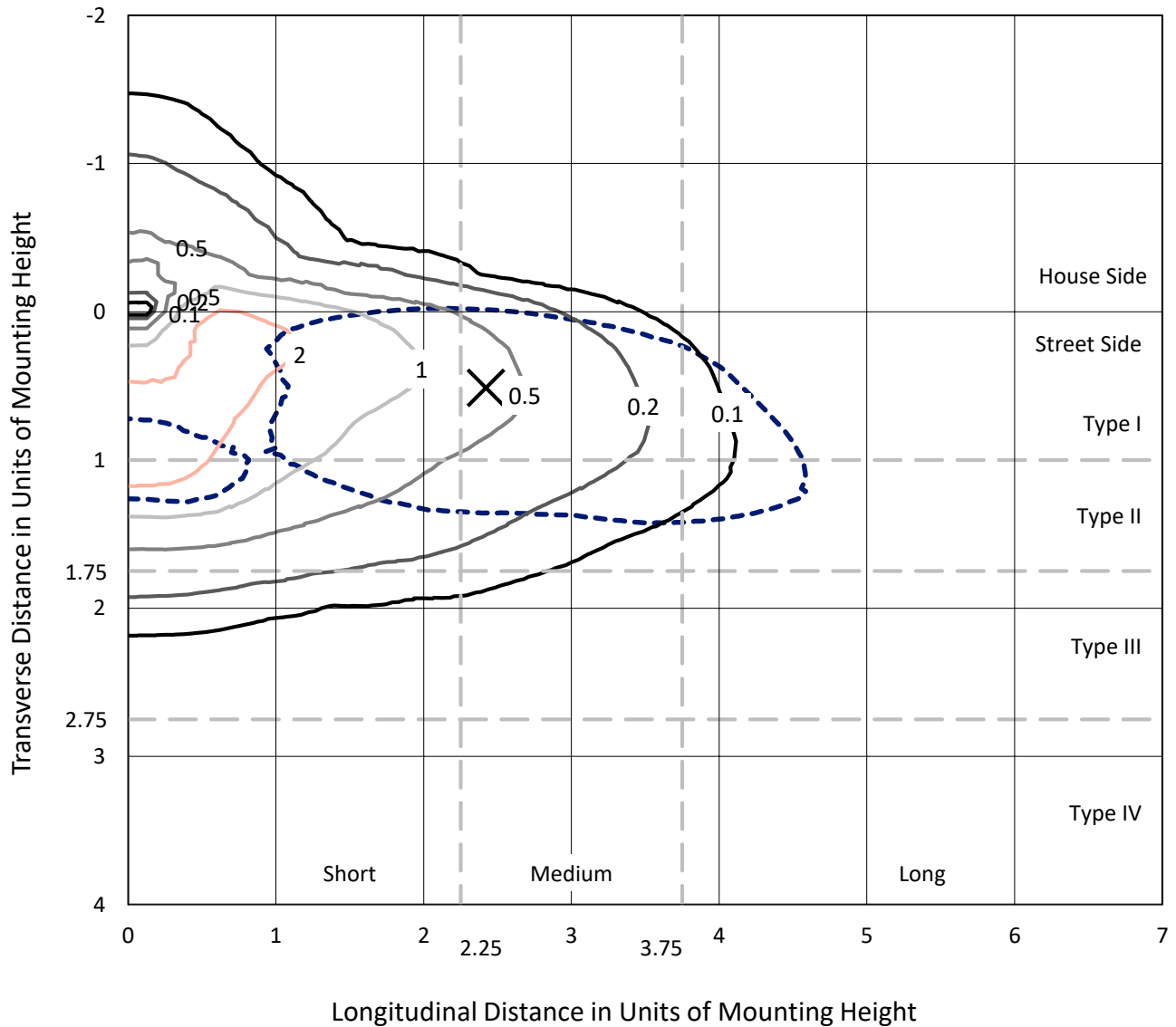
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

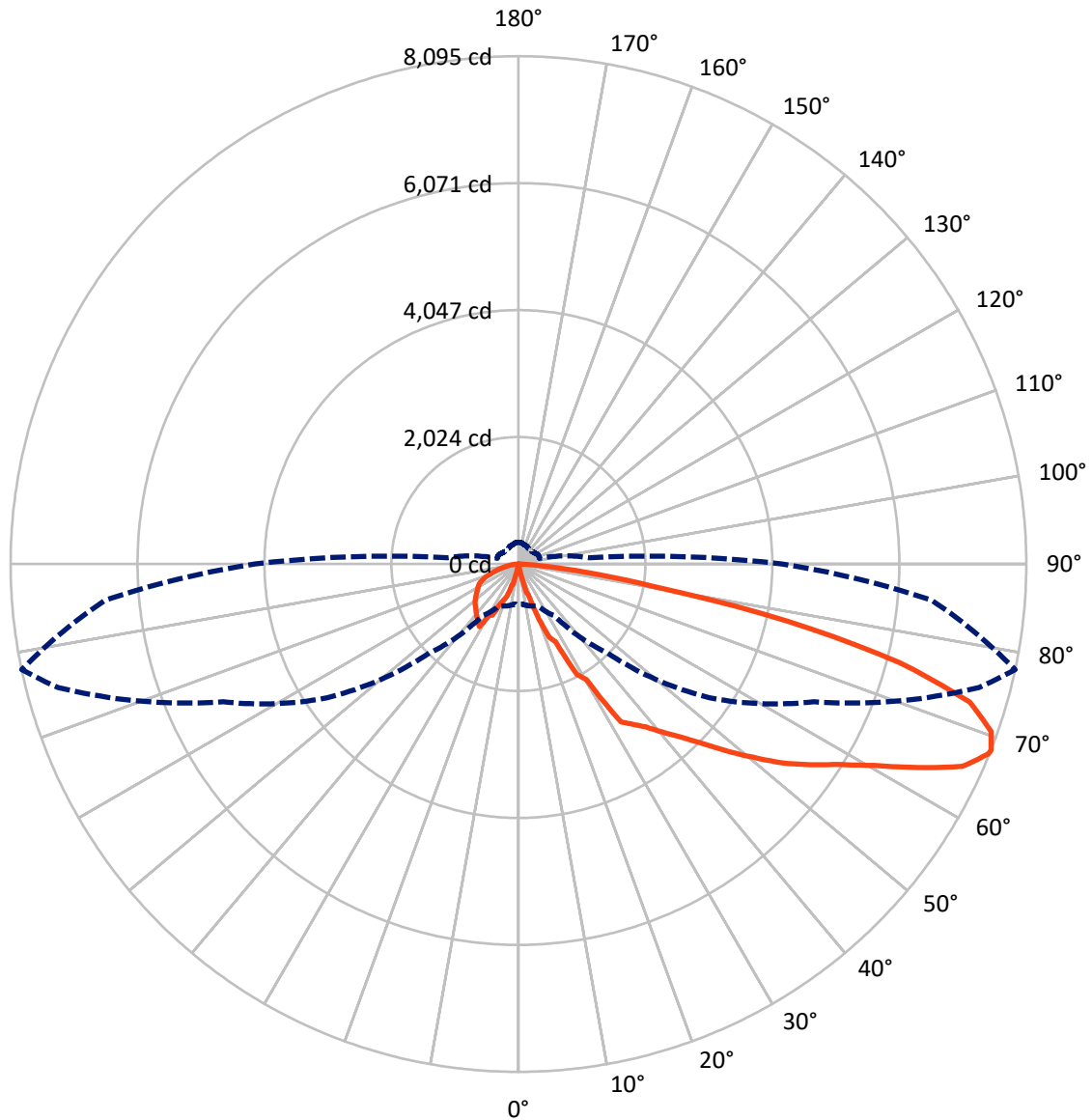
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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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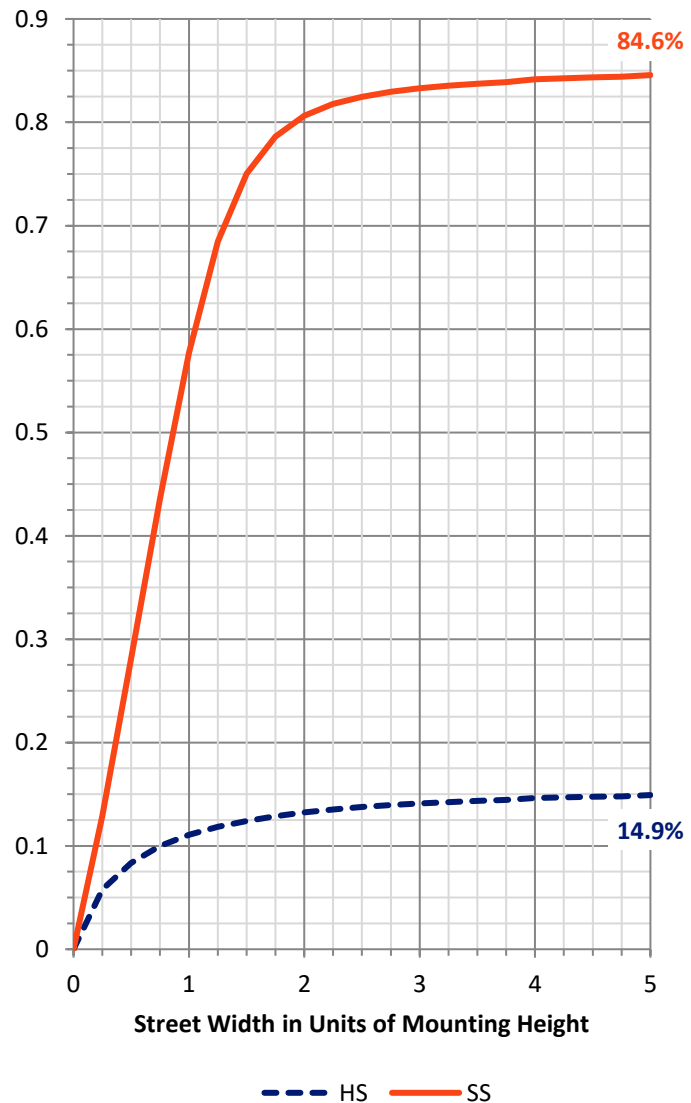
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1358.8	0.0	1358.8
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	7591.2	0.0	7591.2
	% Fixture	84.8	0.0	84.8
Total	Lumens	8950.0	0.0	8950.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.9	0.1
10°-20°	129.7	1.4
20°-30°	493.9	5.5
30°-40°	1153.1	12.9
40°-50°	1800.2	20.1
50°-60°	2066.5	23.1
60°-70°	1920.2	21.5
70°-80°	1186.5	13.3
80°-90°	191.0	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°	8950.0	100.0
0°-180°	8950.0	100.0



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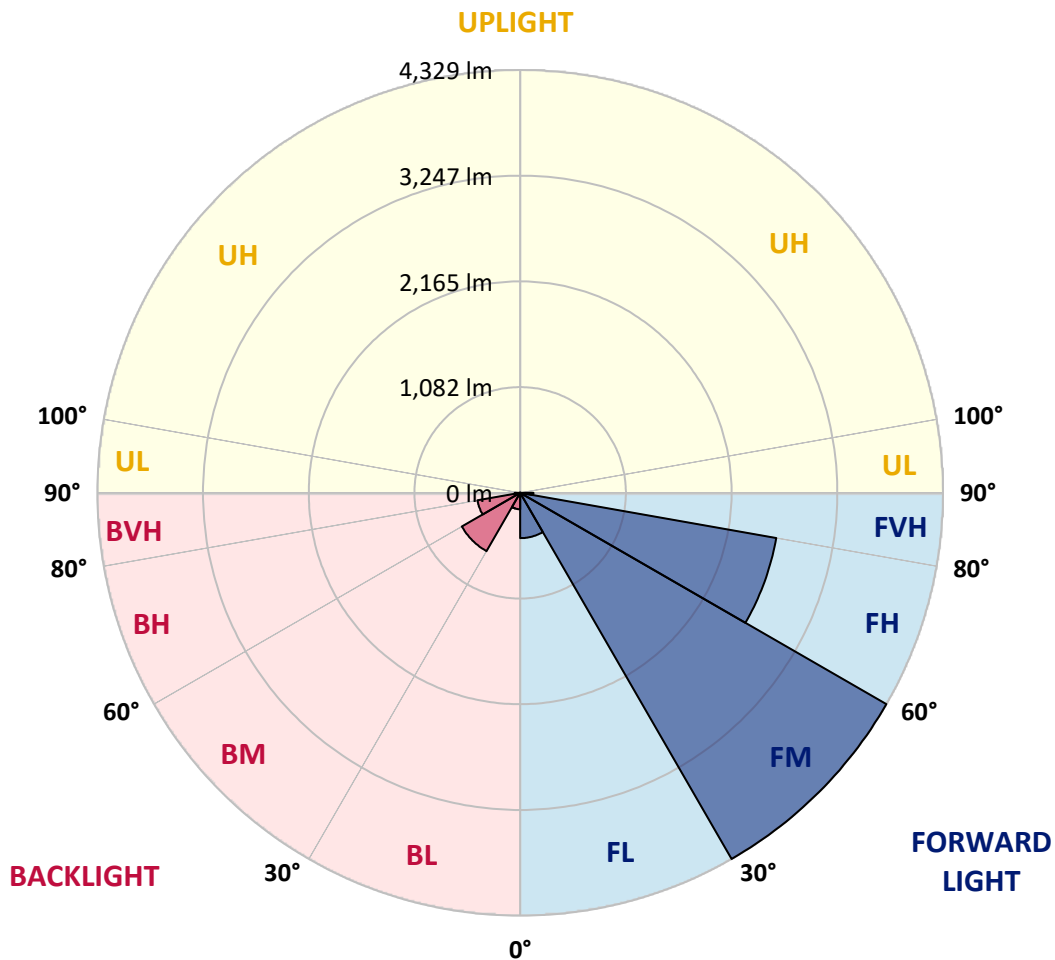
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	464.1	5.2			
FM	(30°-60°)	4329.4	48.4			
FH	(60°-80°)	2662.5	29.7			G2/5000
FVH	(80°-90°)	135.2	1.5			G2/225
BL	(0°-30°)	168.4	1.9	B1/500		
BM	(30°-60°)	690.4	7.7	B1/1000		
BH	(60°-80°)	444.1	5.0	B1/500		G1/500
BVH	(80°-90°)	55.9	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°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
2.5°	6.9	6.9	7.9	8.8	10.8	9.8	6.9	4.9	3.9	3.9	3.9
5°	317.2	291.6	163.0	84.4	29.5	17.7	8.8	6.9	4.9	4.9	3.9
7.5°	358.4	356.4	353.5	350.5	345.6	327.0	34.4	9.8	5.9	5.9	3.9
10°	386.9	383.9	382.0	380.0	373.1	363.3	346.6	30.4	10.8	9.8	8.8
12.5°	751.2	749.2	746.3	477.2	404.6	393.7	379.0	271.0	31.4	47.1	142.4
15°	749.2	746.3	755.1	770.8	783.6	431.1	435.0	761.0	471.3	452.7	482.1
17.5°	781.6	777.7	767.9	778.7	802.2	901.4	852.3	823.8	554.8	529.3	514.5
20°	1145.9	1145.9	1157.7	1147.9	832.7	1151.8	1090.9	884.7	1002.5	942.6	876.9
22.5°	1212.7	1207.8	1209.7	1229.4	1445.4	1194.0	1203.8	1364.9	1393.3	1272.6	1090.9
25°	1724.2	1723.3	1655.5	1299.1	1523.9	1439.5	1663.4	1460.1	1511.2	1368.8	1338.4
27.5°	1940.3	1942.2	1887.2	1838.2	1610.3	1866.6	1765.5	1922.6	2146.5	1994.3	1714.4
30°	2610.9	2585.4	2153.3	2105.2	1970.7	1967.8	2137.6	2270.2	2207.4	2135.7	1914.7
32.5°	3102.9	3077.3	2982.1	2649.2	2342.9	2191.6	2455.8	2375.3	2880.0	2997.8	2596.2
35°	3863.8	3855.0	3349.3	3005.7	2751.3	2650.2	2580.5	2893.7	3117.6	3135.3	2765.1
37.5°	4448.1	4419.6	4123.1	3517.2	3097.0	2863.3	3029.2	3034.1	3377.8	3294.3	3029.2
40°	4715.2	4697.5	4469.7	3901.2	3415.1	3151.0	3217.7	3246.2	3662.6	3518.2	3221.7
42.5°	4918.4	4896.8	4752.5	4131.9	3695.0	3442.6	3412.2	3437.7	3938.5	3762.7	3427.9
45°	5023.5	5010.7	4943.0	4295.9	3890.4	3628.2	3620.3	3606.6	4126.0	4064.2	3651.8
47.5°	4964.6	4950.8	4981.3	4518.8	4012.1	3780.4	3813.8	3789.2	4341.1	4442.2	3895.3
50°	4637.6	4650.4	4772.1	4527.6	4089.7	3904.1	4018.0	3957.1	4633.7	4840.9	4190.8
52.5°	3691.0	3743.1	4258.6	4331.2	4097.5	3962.0	4201.6	4213.4	4997.0	5267.0	4579.7
55°	2754.3	2827.9	3284.5	3852.1	3940.4	3964.0	4319.5	4448.1	5359.3	5646.0	4906.6
57.5°	2168.1	2213.2	2503.9	3073.4	3561.4	3894.3	4440.2	4638.6	5696.1	6025.1	5227.7
60°	1733.1	1705.6	1895.1	2327.1	2968.3	3698.9	4493.3	4887.0	6115.4	6514.0	5605.8
62.5°	1252.9	1254.9	1399.2	1645.7	2349.7	3313.0	4452.0	5127.6	6649.6	7146.4	6109.5
65°	888.6	897.5	995.7	1128.2	1698.7	2782.8	4247.8	5291.6	7252.5	7778.8	6519.0
67.5°	676.5	682.4	728.6	790.4	1097.8	2117.0	3828.5	5258.2	7583.4	8078.2	6637.8
68°	649.0	639.2	691.3	736.4	1010.4	2007.0	3713.6	5191.4	7599.1	8094.9	6609.3
70°	546.9	546.9	570.5	581.3	715.8	1483.7	3151.0	4787.8	7543.1	7991.8	6393.3
72.5°	456.6	453.6	467.4	458.6	505.7	971.1	2288.9	4129.0	7143.5	7521.5	5750.1
75°	380.0	380.0	382.0	375.1	387.9	651.0	1487.6	3234.4	6310.8	6280.4	4679.8
77.5°	324.0	316.2	314.2	304.4	315.2	473.3	912.2	2301.6	4556.1	4392.1	2971.3
80°	257.3	256.3	258.2	252.4	261.2	344.7	555.8	1345.2	2481.3	2183.8	1385.5
82.5°	159.1	174.8	192.5	192.5	219.9	243.5	336.8	719.7	1202.9	1057.5	588.2
85°	52.0	63.8	112.9	116.8	141.4	113.9	193.4	231.7	401.6	358.4	112.9
87.5°	2.0	2.9	8.8	13.7	12.8	7.9	13.7	10.8	22.6	16.7	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°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
2.5°	3.9	3.9	3.9	4.9	4.9	2.9	2.0	3.9	3.9	3.9	3.9
5°	3.9	3.9	4.9	4.9	4.9	3.9	4.9	6.9	7.9	7.9	7.9
7.5°	3.9	3.9	3.9	5.9	5.9	6.9	9.8	58.9	135.5	148.3	146.3
10°	7.9	6.9	7.9	8.8	10.8	125.7	165.0	173.8	177.7	180.7	179.7
12.5°	188.5	168.9	31.4	17.7	118.8	176.7	179.7	186.6	193.4	196.4	196.4
15°	441.9	395.7	302.4	227.8	203.3	188.5	191.5	251.4	341.7	350.5	351.5
17.5°	469.4	411.4	316.2	348.6	359.4	279.8	307.3	345.6	349.6	350.5	350.5
20°	884.7	741.3	449.7	367.2	366.3	468.4	328.0	337.8	343.7	390.8	396.7
22.5°	957.4	794.4	540.1	521.4	394.7	468.4	429.1	417.3	456.6	452.7	455.6
25°	1203.8	953.4	568.5	523.4	552.8	453.6	503.7	415.4	422.2	420.3	420.3
27.5°	1530.8	1202.9	794.4	586.2	537.1	524.3	466.4	399.6	479.2	481.1	481.1
30°	1621.1	1237.2	794.4	633.3	558.7	515.5	431.1	472.3	445.8	437.9	434.0
32.5°	2246.6	1678.1	961.3	609.8	550.9	473.3	472.3	438.9	437.9	455.6	455.6
35°	2360.5	1703.6	877.8	697.2	519.4	488.0	448.7	443.8	424.2	417.3	416.3
37.5°	2473.5	1719.3	814.0	640.2	533.2	465.4	441.9	407.5	429.1	429.1	427.1
40°	2594.2	1736.0	756.1	588.2	490.0	465.4	409.5	406.5	377.1	379.0	377.1
42.5°	2723.8	1742.9	694.2	545.0	449.7	437.0	395.7	365.3	364.3	371.2	369.2
45°	2872.1	1751.7	637.3	490.0	409.5	384.9	353.5	355.5	374.1	389.8	389.8
47.5°	3030.2	1759.6	590.1	440.9	381.0	349.6	326.0	333.9	367.2	382.9	387.9
50°	3244.3	1769.4	536.1	400.6	361.3	323.1	319.1	326.0	362.3	374.1	369.2
52.5°	3472.1	1751.7	483.1	375.1	340.7	293.6	300.5	318.1	357.4	363.3	359.4
55°	3658.6	1707.6	441.9	358.4	326.0	280.8	290.6	312.3	349.6	352.5	353.5
57.5°	3875.6	1649.6	409.5	345.6	317.2	274.9	286.7	311.3	333.9	347.6	347.6
60°	4088.7	1581.9	389.8	338.8	310.3	274.9	286.7	310.3	330.9	345.6	344.7
62.5°	4338.1	1505.3	378.0	342.7	301.4	277.9	288.7	313.2	329.9	346.6	344.7
65°	4425.5	1359.0	369.2	348.6	300.5	281.8	289.7	317.2	328.9	348.6	346.6
67.5°	4252.7	1165.5	354.5	348.6	309.3	286.7	288.7	315.2	326.0	349.6	340.7
68°	4194.8	1137.1	349.6	347.6	310.3	287.7	288.7	314.2	324.0	348.6	338.8
70°	3872.7	956.4	325.0	337.8	314.2	291.6	283.8	307.3	314.2	346.6	334.8
72.5°	3351.3	745.3	283.8	314.2	310.3	297.5	274.9	293.6	297.5	324.0	304.4
75°	2679.7	566.6	234.7	273.0	291.6	297.5	262.2	274.9	274.0	286.7	269.0
77.5°	1685.0	404.6	189.5	231.7	265.1	289.7	250.4	250.4	238.6	240.6	232.7
80°	817.0	276.9	153.2	191.5	221.9	274.0	229.8	211.1	196.4	192.5	182.6
82.5°	401.6	178.7	106.0	144.3	175.8	226.8	206.2	173.8	148.3	146.3	130.6
85°	93.3	73.6	57.9	76.6	111.0	148.3	148.3	109.0	92.3	119.8	88.4
87.5°	8.8	10.8	11.8	10.8	13.7	12.8	31.4	31.4	28.5	18.7	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)