

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: P417331

Luminaire Tested: **LXF.LXT-PA1-90-827-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417331
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-PA1-90-827-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 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: 7224 lumens
Efficiency: N/A
Efficacy: 76.9 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 (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

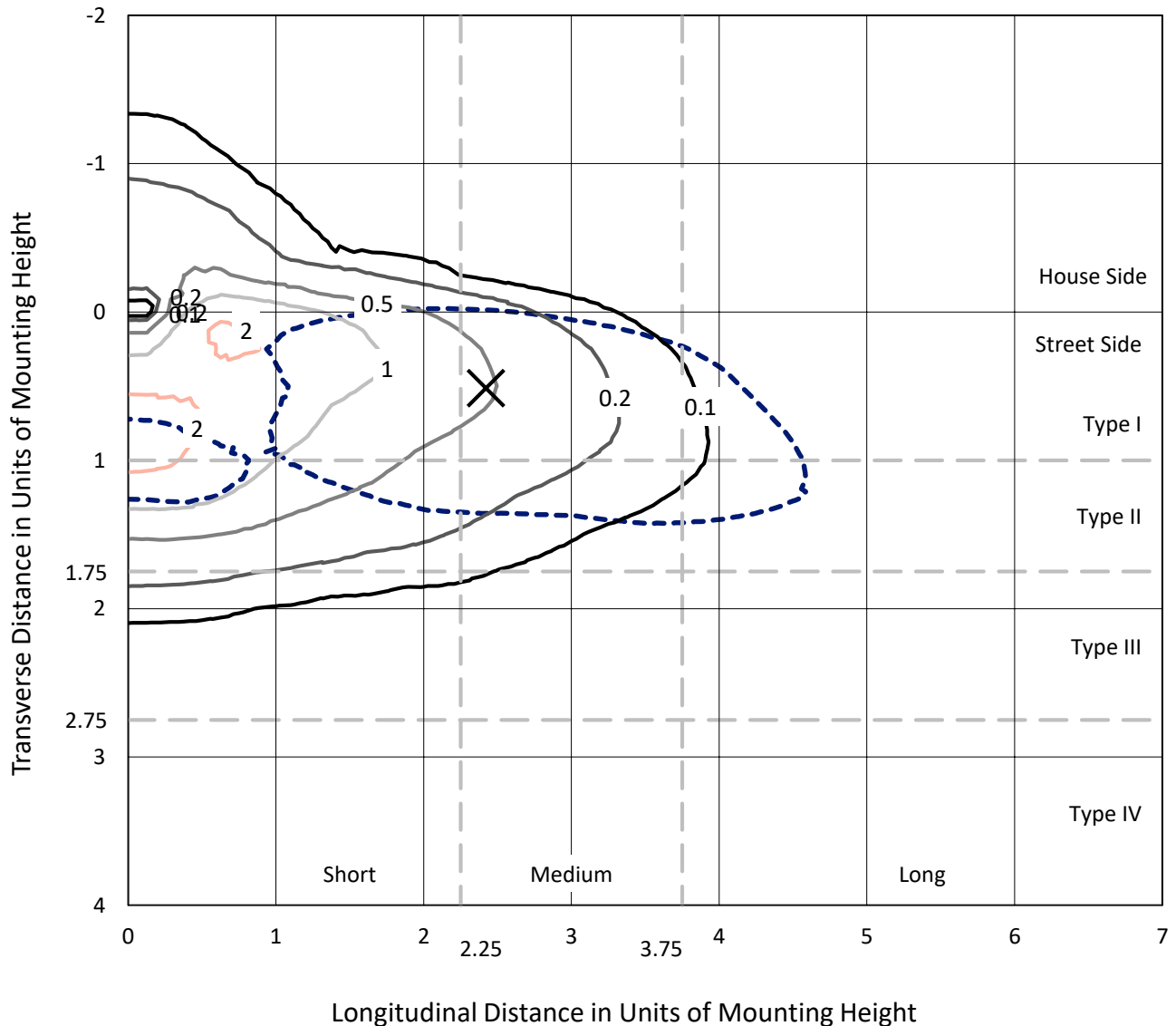


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

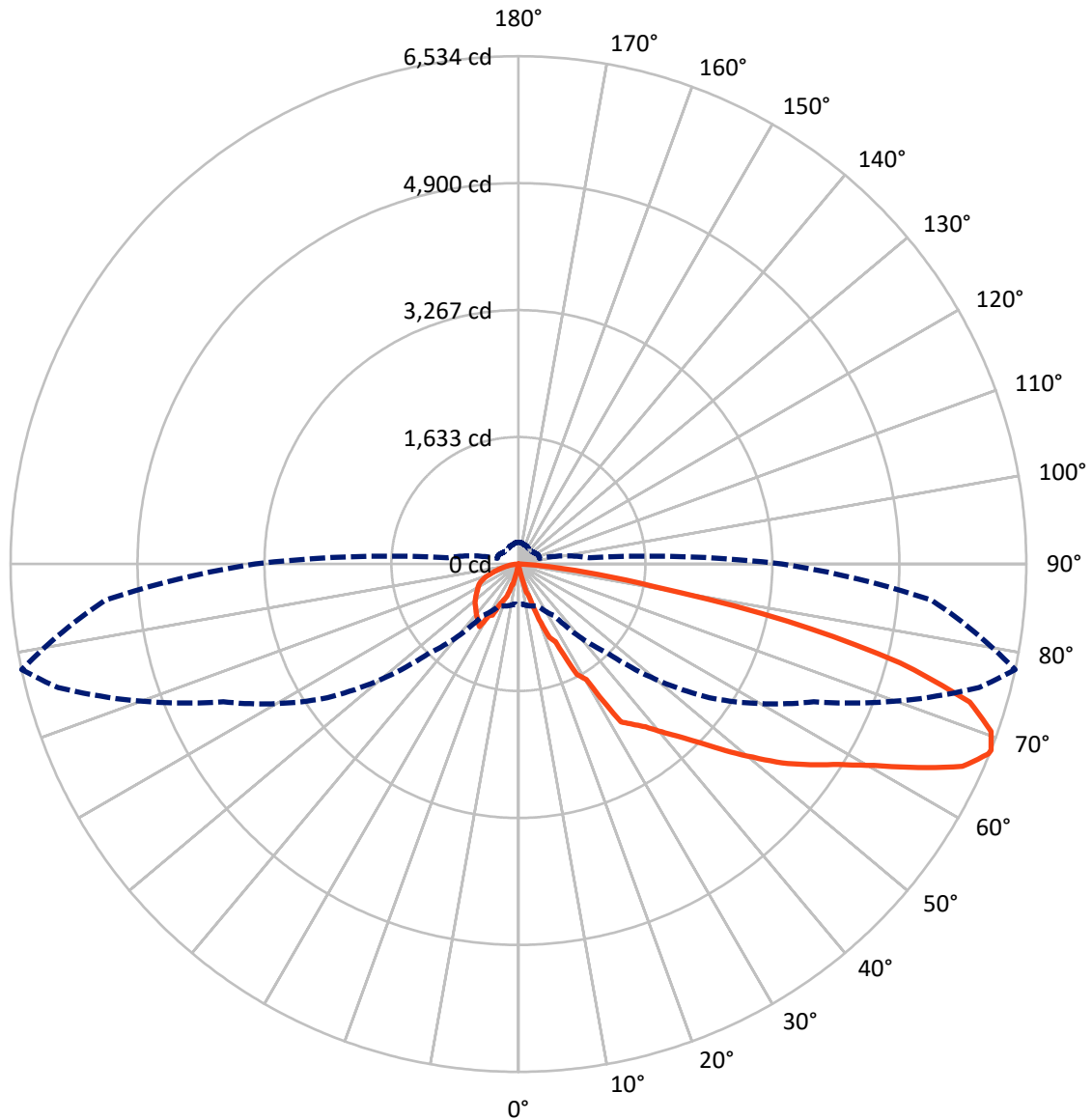


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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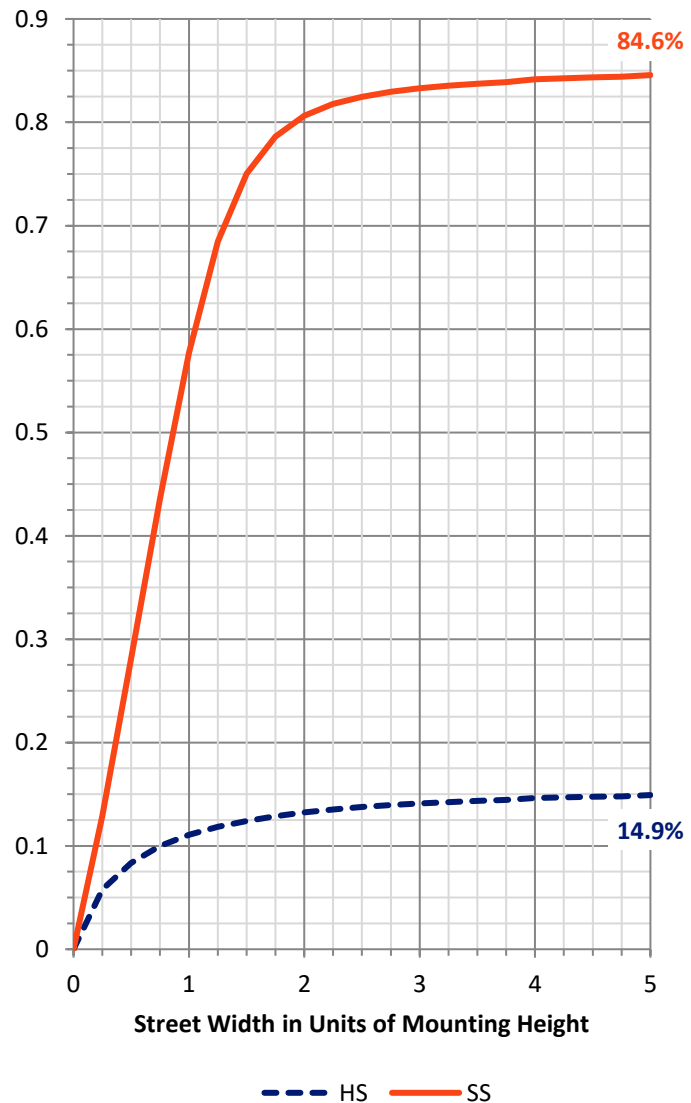
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1096.8	0.0	1096.8
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	6127.2	0.0	6127.2
	% Fixture	84.8	0.0	84.8
Total	Lumens	7224.0	0.0	7224.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.1
10°-20°	104.7	1.4
20°-30°	398.6	5.5
30°-40°	930.7	12.9
40°-50°	1453.0	20.1
50°-60°	1668.0	23.1
60°-70°	1549.9	21.5
70°-80°	957.7	13.3
80°-90°	154.2	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°	7224.0	100.0
0°-180°	7224.0	100.0



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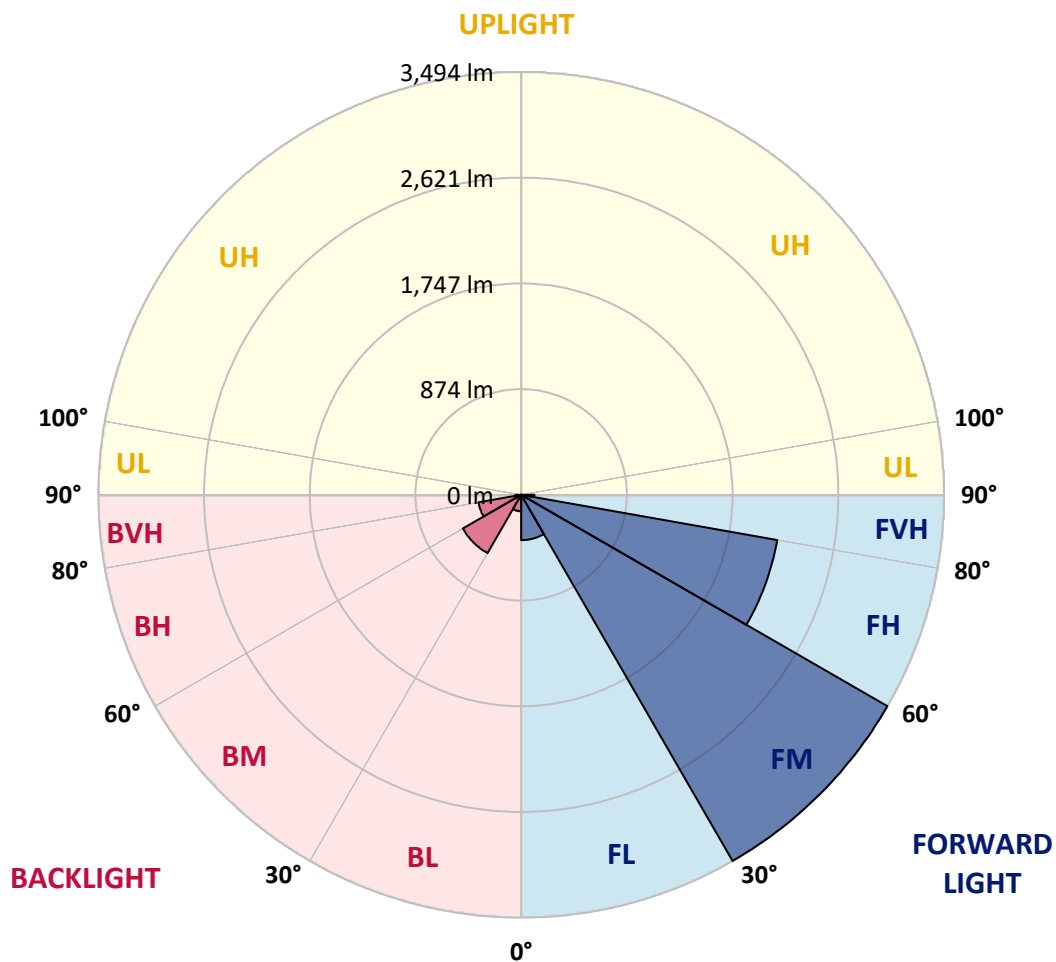
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	374.6	5.2			
FM (30°-60°)	3494.5	48.4			
FH (60°-80°)	2149.0	29.7			G2/5000
FVH (80°-90°)	109.1	1.5			G2/225
BL (0°-30°)	135.9	1.9	B1/500		
BM (30°-60°)	557.2	7.7	B1/1000		
BH (60°-80°)	358.5	5.0	B1/500		G1/500
BVH (80°-90°)	45.1	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°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2.5°	5.5	5.5	6.3	7.1	8.7	7.9	5.5	4.0	3.2	3.2	3.2
5°	256.0	235.4	131.6	68.2	23.8	14.3	7.1	5.5	4.0	4.0	3.2
7.5°	289.3	287.7	285.3	282.9	279.0	263.9	27.7	7.9	4.8	4.8	3.2
10°	312.3	309.9	308.3	306.7	301.2	293.2	279.8	24.6	8.7	7.9	7.1
12.5°	606.3	604.7	602.3	385.2	326.5	317.8	305.9	218.7	25.4	38.0	114.9
15°	604.7	602.3	609.5	622.2	632.5	347.9	351.1	614.2	380.4	365.4	389.1
17.5°	630.9	627.7	619.8	628.5	647.5	727.6	687.9	665.0	447.8	427.2	415.3
20°	924.9	924.9	934.4	926.5	672.1	929.7	880.5	714.1	809.2	760.9	707.8
22.5°	978.8	974.8	976.4	992.3	1166.6	963.7	971.7	1101.7	1124.6	1027.2	880.5
25°	1391.7	1390.9	1336.3	1048.6	1230.0	1161.9	1342.6	1178.5	1219.7	1104.8	1080.3
27.5°	1566.1	1567.7	1523.3	1483.7	1299.8	1506.6	1425.0	1551.8	1732.5	1609.7	1383.8
30°	2107.4	2086.8	1738.1	1699.2	1590.7	1588.3	1725.4	1832.4	1781.7	1723.8	1545.5
32.5°	2504.5	2483.9	2407.0	2138.3	1891.0	1769.0	1982.2	1917.2	2324.6	2419.7	2095.5
35°	3118.7	3111.6	2703.4	2426.0	2220.7	2139.1	2082.8	2335.7	2516.4	2530.6	2231.8
37.5°	3590.3	3567.3	3327.9	2838.9	2499.7	2311.1	2445.0	2449.0	2726.4	2659.0	2445.0
40°	3805.9	3791.6	3607.7	3148.8	2756.5	2543.3	2597.2	2620.2	2956.2	2839.7	2600.4
42.5°	3969.9	3952.5	3836.0	3335.1	2982.4	2778.7	2754.1	2774.7	3178.9	3037.1	2766.8
45°	4054.7	4044.4	3989.7	3467.4	3140.1	2928.5	2922.2	2911.1	3330.3	3280.4	2947.5
47.5°	4007.2	3996.1	4020.6	3647.3	3238.4	3051.3	3078.3	3058.5	3503.9	3585.5	3144.1
50°	3743.2	3753.5	3851.8	3654.5	3301.0	3151.2	3243.1	3194.0	3740.1	3907.3	3382.6
52.5°	2979.2	3021.2	3437.3	3496.0	3307.3	3198.0	3391.3	3400.9	4033.3	4251.3	3696.5
55°	2223.1	2282.6	2651.1	3109.2	3180.5	3199.6	3486.5	3590.3	4325.8	4557.2	3960.4
57.5°	1750.0	1786.4	2021.0	2480.7	2874.6	3143.3	3583.9	3744.0	4597.6	4863.1	4219.6
60°	1398.9	1376.7	1529.6	1878.4	2395.9	2985.6	3626.7	3944.6	4936.0	5257.8	4524.7
62.5°	1011.3	1012.9	1129.4	1328.3	1896.6	2674.1	3593.5	4138.7	5367.2	5768.2	4931.3
65°	717.3	724.4	803.7	910.6	1371.1	2246.1	3428.6	4271.1	5853.8	6278.6	5261.8
67.5°	546.1	550.8	588.1	638.0	886.1	1708.8	3090.2	4244.1	6120.9	6520.4	5357.7
68°	523.9	516.0	558.0	594.4	815.5	1620.0	2997.4	4190.2	6133.6	6533.8	5334.7
70°	441.5	441.5	460.5	469.2	577.8	1197.6	2543.3	3864.5	6088.4	6450.6	5160.3
72.5°	368.5	366.2	377.3	370.1	408.2	783.8	1847.4	3332.7	5765.8	6071.0	4641.2
75°	306.7	306.7	308.3	302.8	313.1	525.5	1200.7	2610.7	5093.8	5069.2	3777.3
77.5°	261.5	255.2	253.6	245.7	254.4	382.0	736.3	1857.8	3677.5	3545.1	2398.3
80°	207.6	206.9	208.4	203.7	210.8	278.2	448.6	1085.8	2002.8	1762.6	1118.3
82.5°	128.4	141.1	155.3	155.3	177.5	196.6	271.8	580.9	970.9	853.6	474.7
85°	42.0	51.5	91.1	94.3	114.1	91.9	156.1	187.0	324.2	289.3	91.1
87.5°	1.6	2.4	7.1	11.1	10.3	6.3	11.1	8.7	18.2	13.5	14.3
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°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2.5°	3.2	3.2	3.2	4.0	4.0	2.4	1.6	3.2	3.2	3.2	3.2
5°	3.2	3.2	4.0	4.0	4.0	3.2	4.0	5.5	6.3	6.3	6.3
7.5°	3.2	3.2	3.2	4.8	4.8	5.5	7.9	47.6	109.4	119.7	118.1
10°	6.3	5.5	6.3	7.1	8.7	101.4	133.1	140.3	143.5	145.8	145.0
12.5°	152.2	136.3	25.4	14.3	95.9	142.7	145.0	150.6	156.1	158.5	158.5
15°	356.7	319.4	244.1	183.9	164.1	152.2	154.5	202.9	275.8	282.9	283.7
17.5°	378.8	332.1	255.2	281.4	290.1	225.9	248.1	279.0	282.2	282.9	282.9
20°	714.1	598.4	363.0	296.4	295.6	378.0	264.7	272.6	277.4	315.4	320.2
22.5°	772.7	641.2	435.9	420.8	318.6	378.0	346.3	336.8	368.5	365.4	367.7
25°	971.7	769.6	458.9	422.4	446.2	366.2	406.6	335.3	340.8	339.2	339.2
27.5°	1235.6	970.9	641.2	473.2	433.5	423.2	376.5	322.6	386.8	388.4	388.4
30°	1308.5	998.6	641.2	511.2	451.0	416.1	347.9	381.2	359.8	353.5	350.3
32.5°	1813.4	1354.5	775.9	492.2	444.6	382.0	381.2	354.3	353.5	367.7	367.7
35°	1905.3	1375.1	708.5	562.7	419.3	393.9	362.2	358.2	342.4	336.8	336.0
37.5°	1996.4	1387.8	657.0	516.7	430.4	375.7	356.7	328.9	346.3	346.3	344.8
40°	2093.9	1401.2	610.3	474.7	395.5	375.7	330.5	328.1	304.3	305.9	304.3
42.5°	2198.6	1406.8	560.3	439.9	363.0	352.7	319.4	294.8	294.0	299.6	298.0
45°	2318.2	1413.9	514.4	395.5	330.5	310.7	285.3	286.9	302.0	314.6	314.6
47.5°	2445.8	1420.3	476.3	355.9	307.5	282.2	263.1	269.5	296.4	309.1	313.1
50°	2618.6	1428.2	432.7	323.4	291.7	260.8	257.6	263.1	292.5	302.0	298.0
52.5°	2802.5	1413.9	389.9	302.8	275.0	237.0	242.5	256.8	288.5	293.2	290.1
55°	2953.1	1378.3	356.7	289.3	263.1	226.7	234.6	252.0	282.2	284.5	285.3
57.5°	3128.2	1331.5	330.5	279.0	256.0	221.9	231.4	251.2	269.5	280.6	280.6
60°	3300.2	1276.8	314.6	273.4	250.4	221.9	231.4	250.4	267.1	279.0	278.2
62.5°	3501.5	1215.0	305.1	276.6	243.3	224.3	233.0	252.8	266.3	279.8	278.2
65°	3572.1	1096.9	298.0	281.4	242.5	227.5	233.8	256.0	265.5	281.4	279.8
67.5°	3432.6	940.8	286.1	281.4	249.7	231.4	233.0	254.4	263.1	282.2	275.0
68°	3385.8	917.8	282.2	280.6	250.4	232.2	233.0	253.6	261.5	281.4	273.4
70°	3125.8	771.9	262.3	272.6	253.6	235.4	229.0	248.1	253.6	279.8	270.3
72.5°	2705.0	601.6	229.0	253.6	250.4	240.1	221.9	237.0	240.1	261.5	245.7
75°	2162.9	457.3	189.4	220.3	235.4	240.1	211.6	221.9	221.1	231.4	217.2
77.5°	1360.0	326.5	153.0	187.0	214.0	233.8	202.1	202.1	192.6	194.2	187.8
80°	659.4	223.5	123.6	154.5	179.1	221.1	185.5	170.4	158.5	155.3	147.4
82.5°	324.2	144.2	85.6	116.5	141.9	183.1	166.4	140.3	119.7	118.1	105.4
85°	75.3	59.4	46.8	61.8	89.6	119.7	119.7	88.0	74.5	96.7	71.3
87.5°	7.1	8.7	9.5	8.7	11.1	10.3	25.4	25.4	23.0	15.1	10.3
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)