

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: P414073

Luminaire Tested: **LXF.LXT-PA1-100-830-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414073
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-830-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8059 lumens
Efficiency: N/A
Efficacy: 83.9 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 - G2

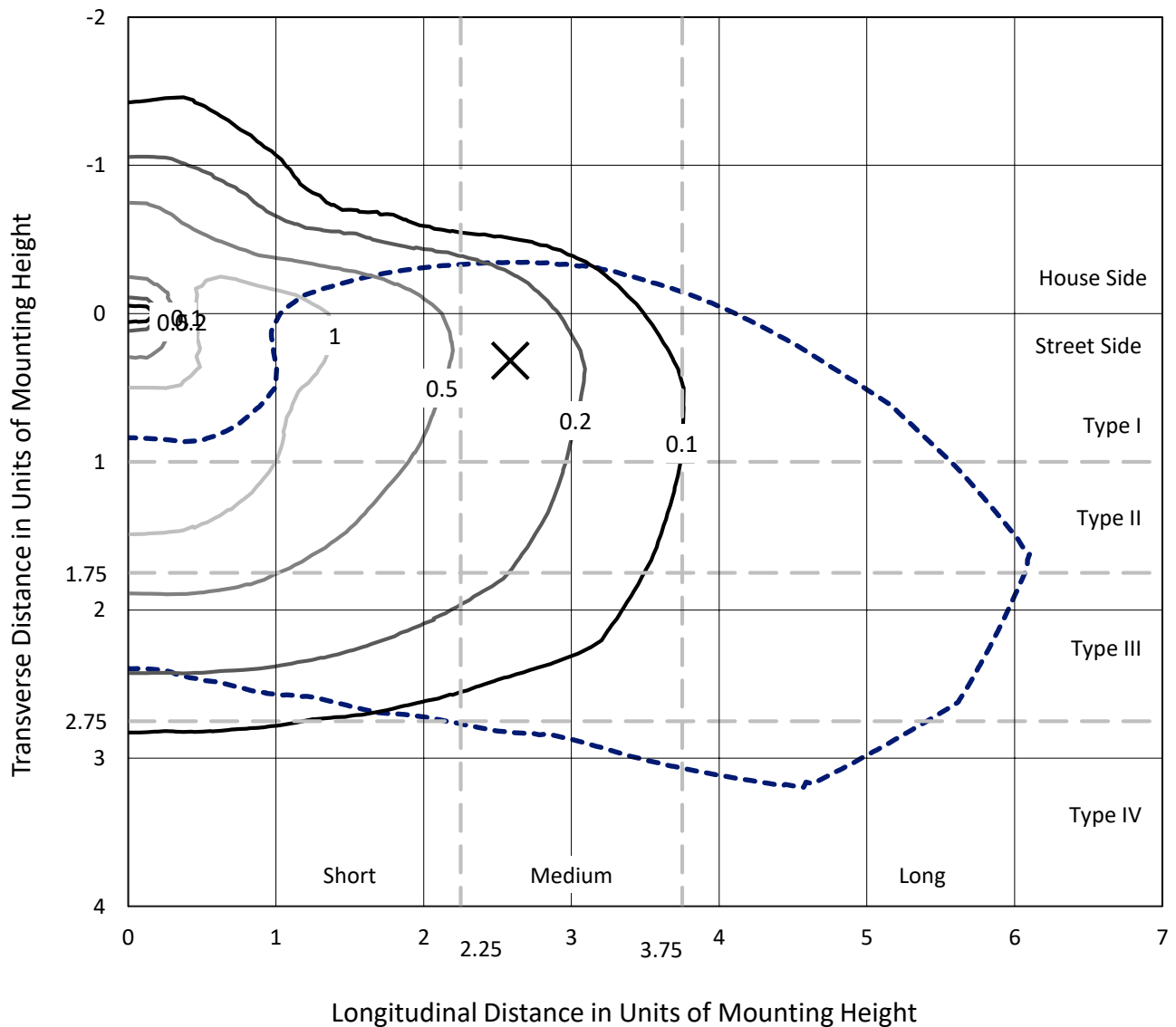
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

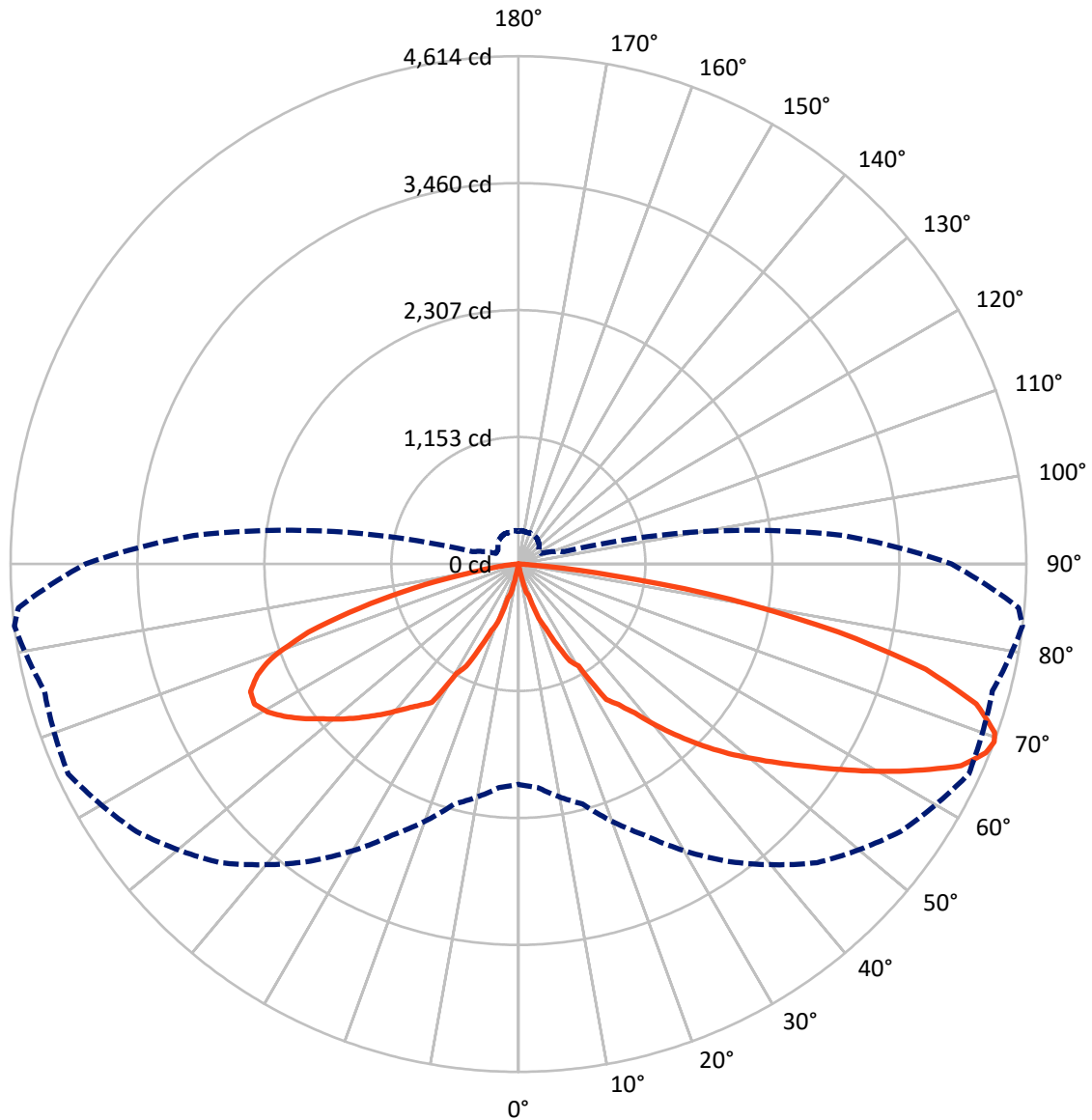


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



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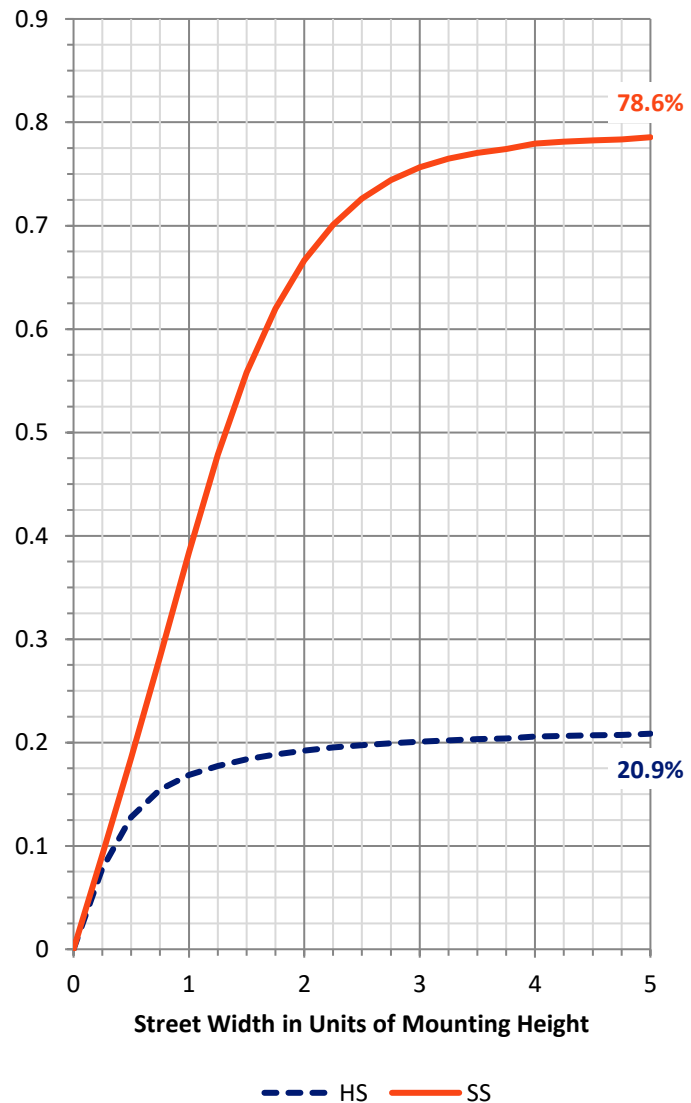
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1709.4	0.0	1709.4
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	6349.6	0.0	6349.6
	% Fixture	78.8	0.0	78.8
Total	Lumens	8059.0	0.0	8059.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.2	0.1
10°-20°	81.9	1.0
20°-30°	323.2	4.0
30°-40°	719.2	8.9
40°-50°	1221.2	15.2
50°-60°	1819.9	22.6
60°-70°	2143.3	26.6
70°-80°	1500.2	18.6
80°-90°	244.9	3.0
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°	8059.0	100.0
0°-180°	8059.0	100.0

Coefficient of Utilization



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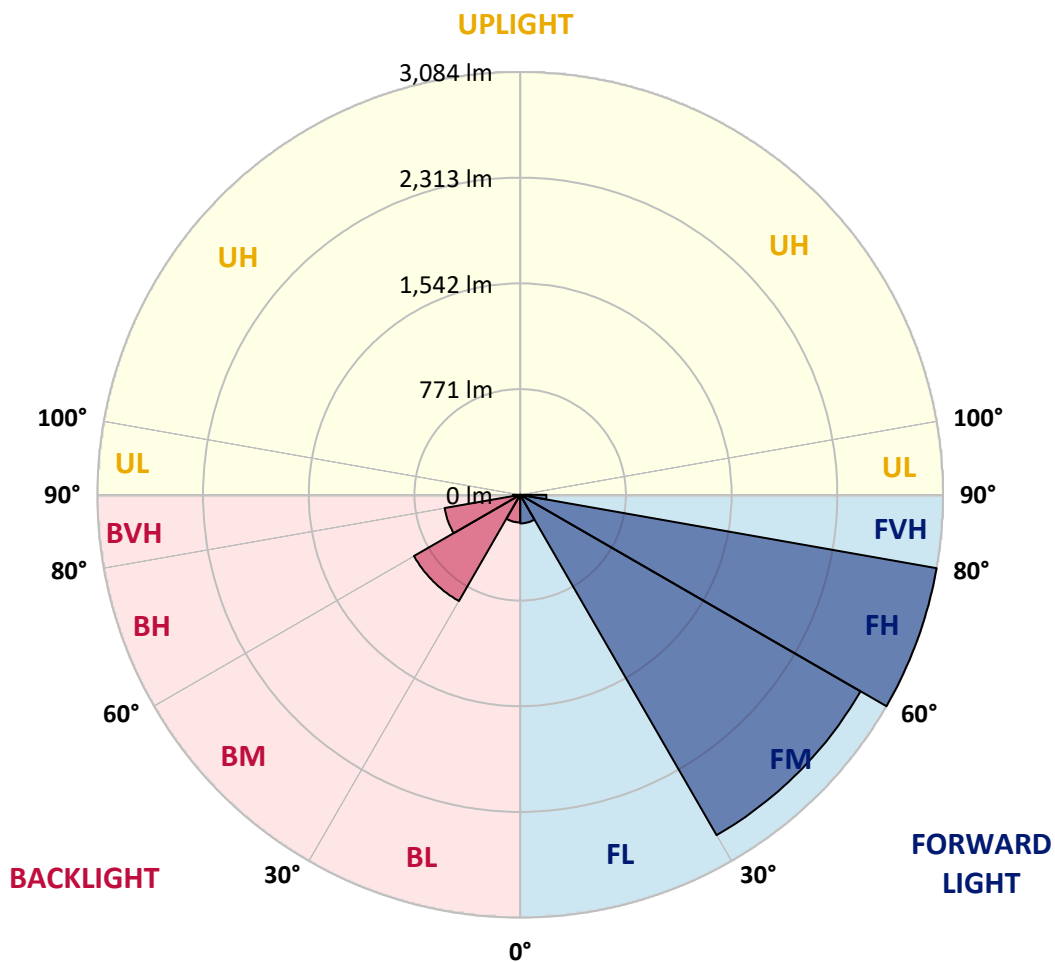
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	208.7	2.6			
FM	(30°-60°)	2865.9	35.6			
FH	(60°-80°)	3083.6	38.3			G2/5000
FVH	(80°-90°)	191.4	2.4			G2/225
BL	(0°-30°)	201.6	2.5	B1/500		
BM	(30°-60°)	894.4	11.1	B1/1000		
BH	(60°-80°)	559.9	6.9	B2/1000		G2/1000
BVH	(80°-90°)	53.5	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	4.3	3.5	4.3	5.2	5.2	4.3	3.5	3.5	3.5	3.5	2.6
5°	70.3	51.2	46.0	40.8	24.3	8.7	5.2	3.5	3.5	3.5	3.5
7.5°	148.4	148.4	148.4	149.2	148.4	110.2	26.0	6.1	3.5	3.5	3.5
10°	150.1	149.2	148.4	149.2	151.0	151.8	146.6	20.8	8.7	7.8	7.8
12.5°	271.6	269.8	260.3	182.2	154.4	155.3	158.8	114.5	41.6	110.2	128.4
15°	288.0	286.3	286.3	287.2	272.4	169.2	238.6	312.3	222.1	265.5	269.8
17.5°	322.7	313.2	305.4	300.2	301.9	336.6	338.4	345.3	258.5	297.6	302.8
20°	494.5	491.1	463.3	354.8	331.4	437.3	389.5	383.5	484.1	525.8	534.4
22.5°	564.8	561.3	541.4	522.3	544.8	476.3	554.4	571.7	655.9	630.7	638.5
25°	767.0	764.3	653.3	604.7	664.6	547.5	684.5	655.0	724.4	807.7	816.4
27.5°	938.7	932.7	910.1	815.5	741.8	820.7	757.4	875.4	983.9	997.7	1023.8
30°	1114.9	1074.9	1005.5	1009.0	913.6	904.9	902.3	1050.7	1054.1	1075.8	1120.1
32.5°	1402.9	1384.7	1326.6	1147.0	1126.1	1005.5	1110.5	1120.1	1376.9	1467.1	1475.8
35°	1633.7	1555.6	1500.9	1399.4	1241.5	1280.6	1237.2	1409.0	1510.5	1568.6	1604.2
37.5°	2001.5	2011.9	1922.6	1553.0	1454.1	1409.0	1484.5	1577.3	1704.0	1717.8	1771.6
40°	2266.2	2259.2	2138.6	1866.2	1645.0	1599.0	1649.3	1740.4	1912.2	1929.5	1942.5
42.5°	2651.4	2617.5	2449.2	2143.0	1938.2	1841.0	1854.9	1893.1	2064.9	2142.1	2126.5
45°	3007.9	2985.4	2815.3	2437.9	2215.8	2102.2	2081.4	2047.5	2254.0	2357.3	2328.6
47.5°	3287.3	3247.4	3150.2	2765.9	2595.0	2401.5	2297.4	2235.8	2441.4	2573.3	2533.4
50°	3586.6	3525.9	3438.3	3091.2	2922.9	2750.3	2521.2	2444.0	2652.2	2783.2	2751.1
52.5°	3785.3	3690.7	3636.1	3381.0	3225.7	3074.8	2739.0	2686.9	2883.9	3009.7	3002.7
55°	3685.5	3682.1	3737.6	3576.2	3425.3	3265.6	2965.4	2962.8	3125.9	3255.2	3261.3
57.5°	3512.0	3530.2	3688.1	3712.4	3648.2	3460.8	3245.7	3271.7	3410.5	3530.2	3543.3
60°	3290.8	3341.1	3568.4	3696.8	3748.0	3655.2	3515.5	3555.4	3721.1	3824.4	3820.9
62.5°	2998.4	3039.2	3322.0	3612.7	3716.8	3804.4	3764.5	3892.9	4023.9	4121.1	4146.2
65°	2653.1	2669.6	2975.8	3368.0	3637.0	3880.7	3972.7	4206.1	4269.4	4418.7	4423.9
67.5°	2270.5	2275.7	2542.0	3009.7	3463.4	3874.7	4149.7	4437.7	4421.3	4580.0	4567.9
69°	2001.5	2038.8	2257.5	2718.2	3295.1	3837.4	4237.3	4514.1	4458.6	4613.9	4560.9
70°	1812.4	1809.8	2059.7	2470.9	3146.8	3789.6	4292.9	4534.0	4459.4	4590.4	4510.6
72.5°	1154.8	1172.1	1388.1	1753.4	2536.0	3513.8	4361.4	4481.1	4364.0	4351.0	4180.1
75°	510.1	463.3	598.6	928.3	1594.6	2732.9	4196.5	4242.5	4092.4	3824.4	3531.1
77.5°	178.7	185.7	225.6	377.4	767.8	1628.5	3478.2	3732.4	3614.4	2969.8	2642.7
80°	127.5	128.4	151.0	210.8	372.2	574.3	2214.1	2700.0	2781.5	1958.2	1683.1
82.5°	90.2	90.2	111.9	134.5	257.7	256.8	952.6	1485.3	1586.8	868.5	649.8
85°	75.5	77.2	85.9	78.1	151.0	131.0	235.1	458.1	375.7	105.8	92.8
87.5°	11.3	10.4	29.5	26.0	22.6	19.1	26.0	29.5	20.0	15.6	11.3
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°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	3.5	3.5	3.5	3.5	2.6	1.7	1.7	1.7	2.6	2.6	2.6
5°	3.5	3.5	3.5	3.5	3.5	3.5	4.3	6.1	6.9	7.8	7.8
7.5°	3.5	3.5	3.5	4.3	5.2	7.8	42.5	147.5	161.4	168.3	172.7
10°	6.9	7.8	7.8	7.8	19.1	163.1	194.3	201.3	208.2	211.7	210.8
12.5°	134.5	138.8	34.7	25.2	151.8	203.9	210.0	216.9	223.8	229.0	228.2
15°	276.8	283.7	272.4	282.0	299.3	221.2	226.4	383.5	415.6	421.7	422.5
17.5°	308.9	314.1	319.3	415.6	426.0	328.0	392.2	420.8	424.3	426.0	426.9
20°	588.2	585.6	473.7	455.5	451.1	569.1	416.4	424.3	507.5	577.8	581.3
22.5°	649.0	656.8	625.5	668.9	592.6	576.1	524.9	562.2	593.4	592.6	590.0
25°	841.6	852.0	717.5	695.8	710.6	572.6	655.0	561.3	570.0	570.9	576.1
27.5°	1052.4	1055.0	996.0	783.4	699.3	708.8	616.9	597.8	668.0	672.4	672.4
30°	1146.1	1162.6	1052.4	907.5	724.4	669.8	597.8	651.6	620.3	625.5	625.5
32.5°	1522.6	1509.6	1374.3	898.8	750.5	616.0	624.7	603.8	668.9	686.3	688.0
35°	1621.5	1594.6	1382.1	1004.7	700.1	629.0	570.9	613.4	613.4	612.5	608.2
37.5°	1743.9	1697.0	1365.6	930.1	704.5	574.3	550.9	551.8	602.1	613.4	605.6
40°	1888.8	1818.5	1363.0	868.5	638.5	544.0	505.8	531.0	530.1	515.4	506.7
42.5°	2045.8	1953.0	1356.9	795.6	573.5	510.1	477.2	469.4	473.7	446.8	444.2
45°	2229.7	2091.8	1339.6	731.4	521.4	473.7	436.4	424.3	426.0	405.2	400.0
47.5°	2424.9	2234.9	1335.2	681.1	478.0	437.3	406.9	391.3	397.4	373.9	368.7
50°	2642.7	2382.4	1320.5	634.2	430.3	403.4	380.9	362.7	363.5	345.3	341.0
52.5°	2879.5	2525.6	1304.0	570.0	386.9	374.8	361.8	347.9	363.5	339.2	334.0
55°	3122.5	2700.0	1282.3	495.4	347.9	353.1	340.1	350.5	373.1	334.9	328.0
57.5°	3392.3	2863.9	1241.5	413.8	316.7	328.8	337.5	351.4	369.6	334.0	321.0
60°	3648.2	3021.8	1144.4	349.6	289.8	308.9	332.3	346.2	344.4	328.0	319.3
62.5°	3908.5	3152.0	964.8	300.2	267.2	299.3	324.5	330.6	322.7	316.7	311.5
65°	4051.7	3184.1	747.9	267.2	249.0	286.3	314.9	320.1	308.9	308.9	304.5
67.5°	4028.2	3080.8	551.8	240.3	233.4	273.3	298.5	310.6	302.8	308.9	301.9
69°	3934.5	2962.8	433.8	226.4	225.6	262.9	288.9	302.8	296.7	305.4	296.7
70°	3824.4	2844.0	383.5	218.6	217.8	255.1	282.8	296.7	289.8	296.7	288.9
72.5°	3401.8	2440.5	275.0	196.9	199.5	239.5	268.1	278.5	272.4	274.2	263.7
75°	2719.9	1814.1	217.8	178.7	181.3	221.2	251.6	257.7	253.3	245.5	239.5
77.5°	1912.2	1169.5	178.7	162.2	163.1	199.5	234.3	233.4	226.4	218.6	210.8
80°	1042.8	550.1	151.8	142.3	144.9	177.9	209.1	206.5	197.8	190.0	180.5
82.5°	451.1	222.1	118.0	113.7	121.5	149.2	179.6	172.7	164.8	168.3	131.0
85°	80.7	76.3	68.5	72.9	82.4	105.8	126.7	120.6	116.3	98.9	91.1
87.5°	6.9	10.4	10.4	13.0	18.2	20.0	35.6	26.0	26.9	10.4	5.2
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)