

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: P416465

Luminaire Tested: **LXF.LXT-PA1-70-760-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416465
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-PA1-70-760-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8498 lumens
Efficiency: N/A
Efficacy: 114.8 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): 74
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

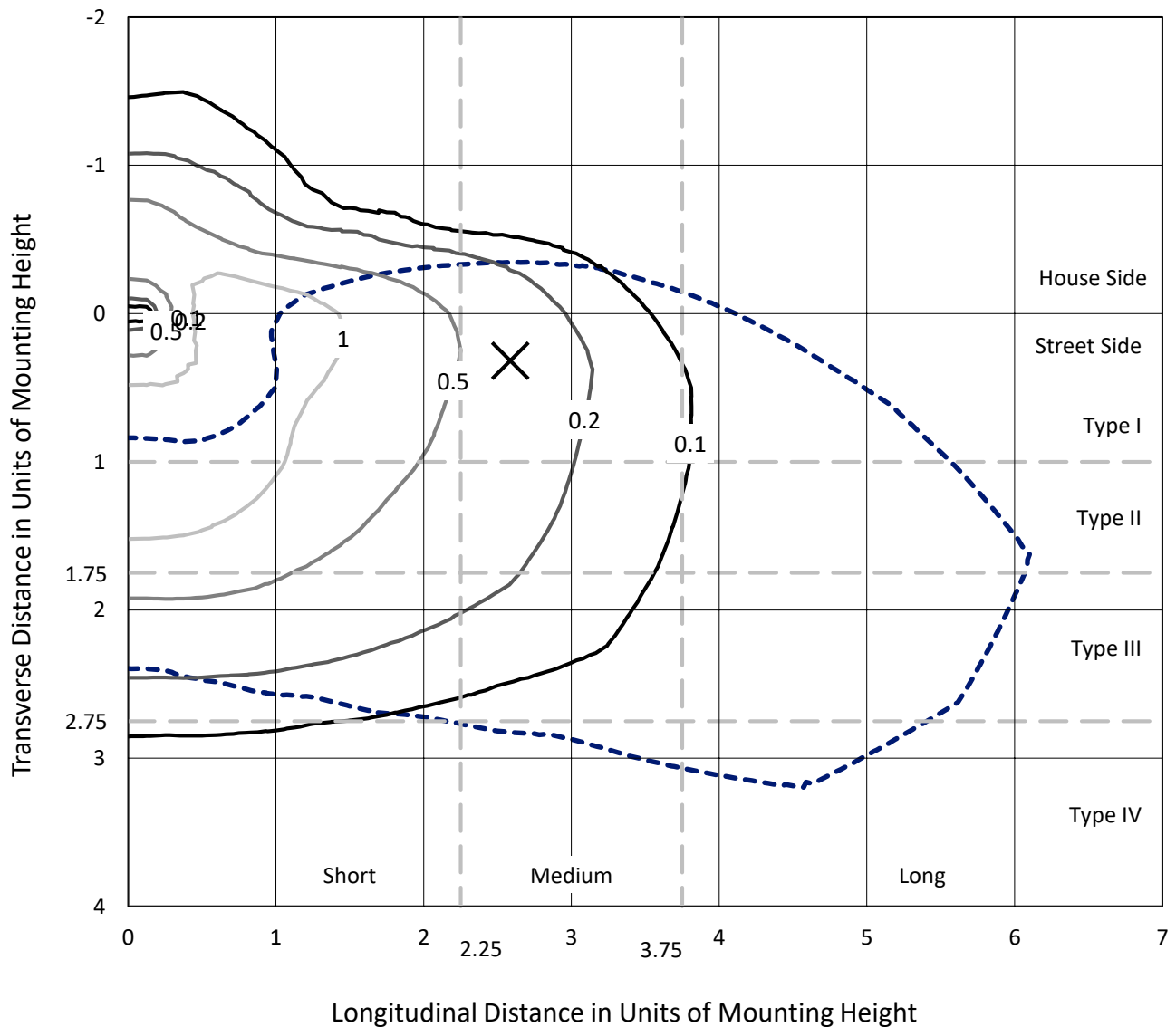


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

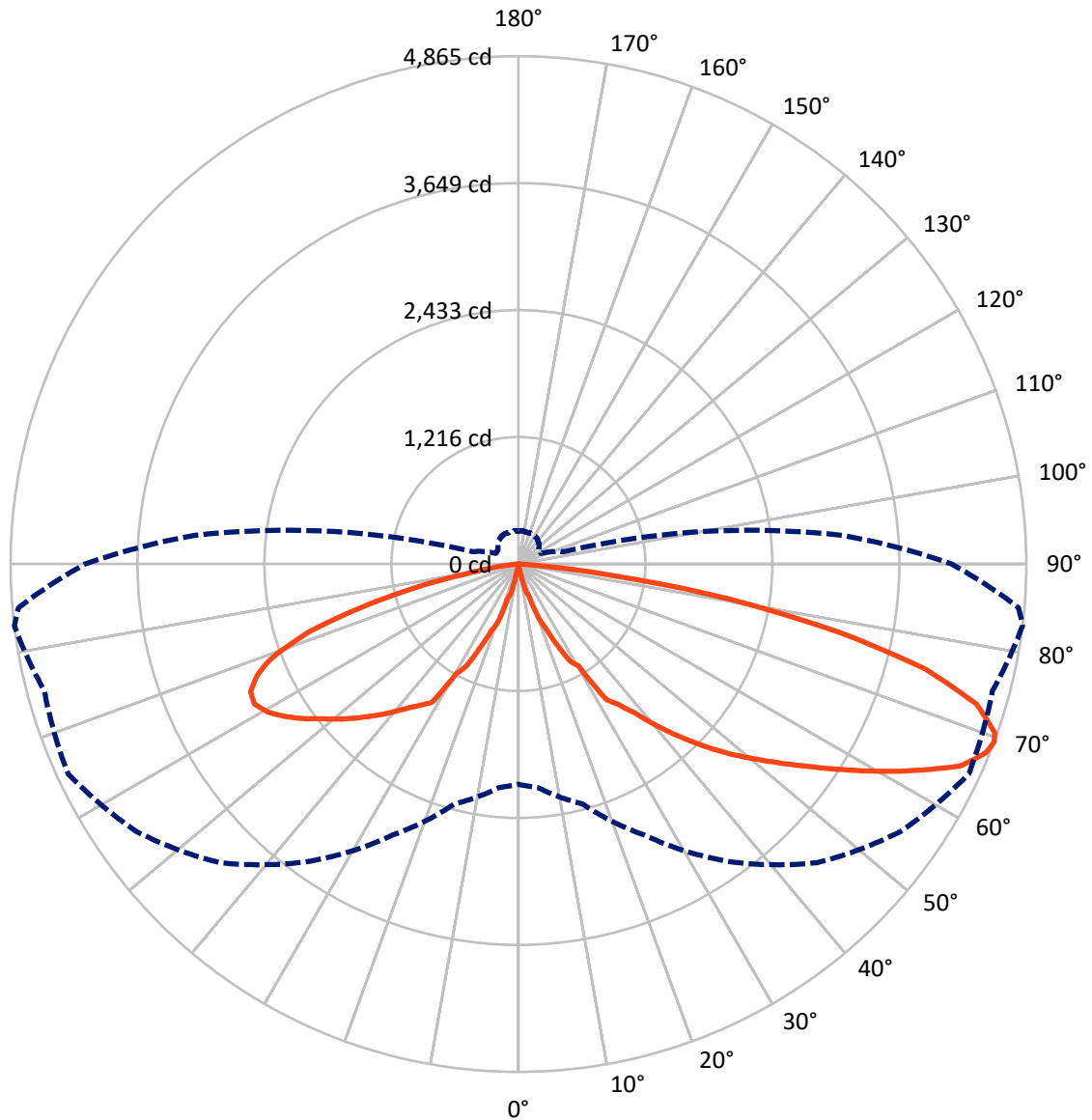


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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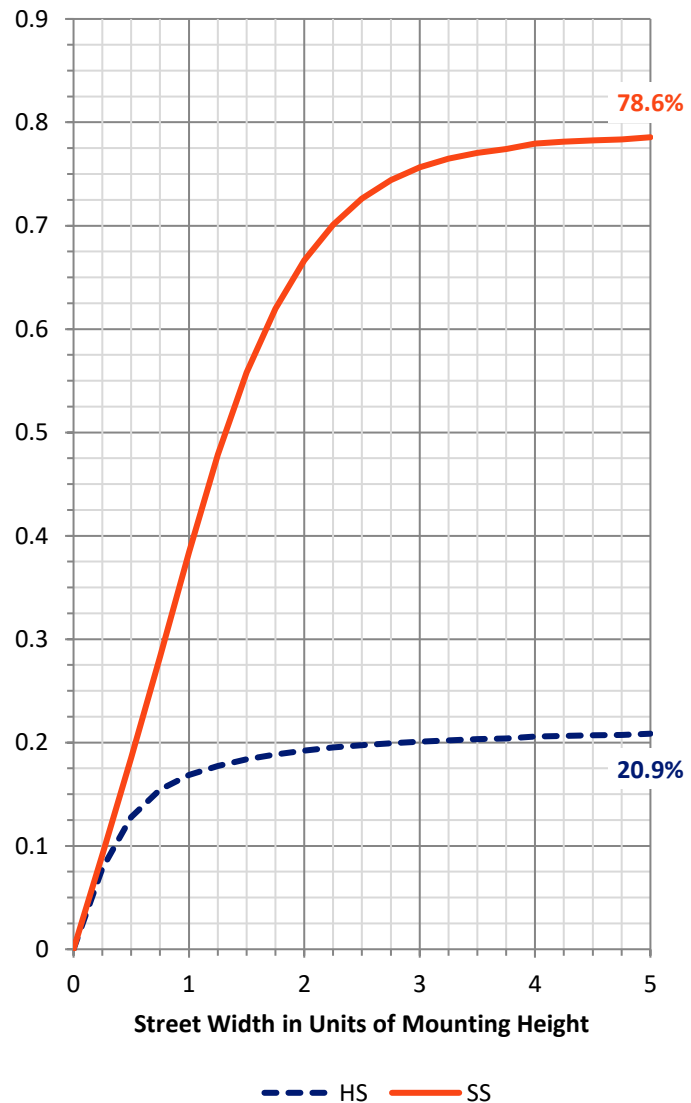
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1802.5	0.0	1802.5
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	6695.5	0.0	6695.5
	% Fixture	78.8	0.0	78.8
Total	Lumens	8498.0	0.0	8498.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.1
10°-20°	86.4	1.0
20°-30°	340.8	4.0
30°-40°	758.3	8.9
40°-50°	1287.8	15.2
50°-60°	1919.1	22.6
60°-70°	2260.0	26.6
70°-80°	1581.9	18.6
80°-90°	258.2	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°	8498.0	100.0
0°-180°	8498.0	100.0



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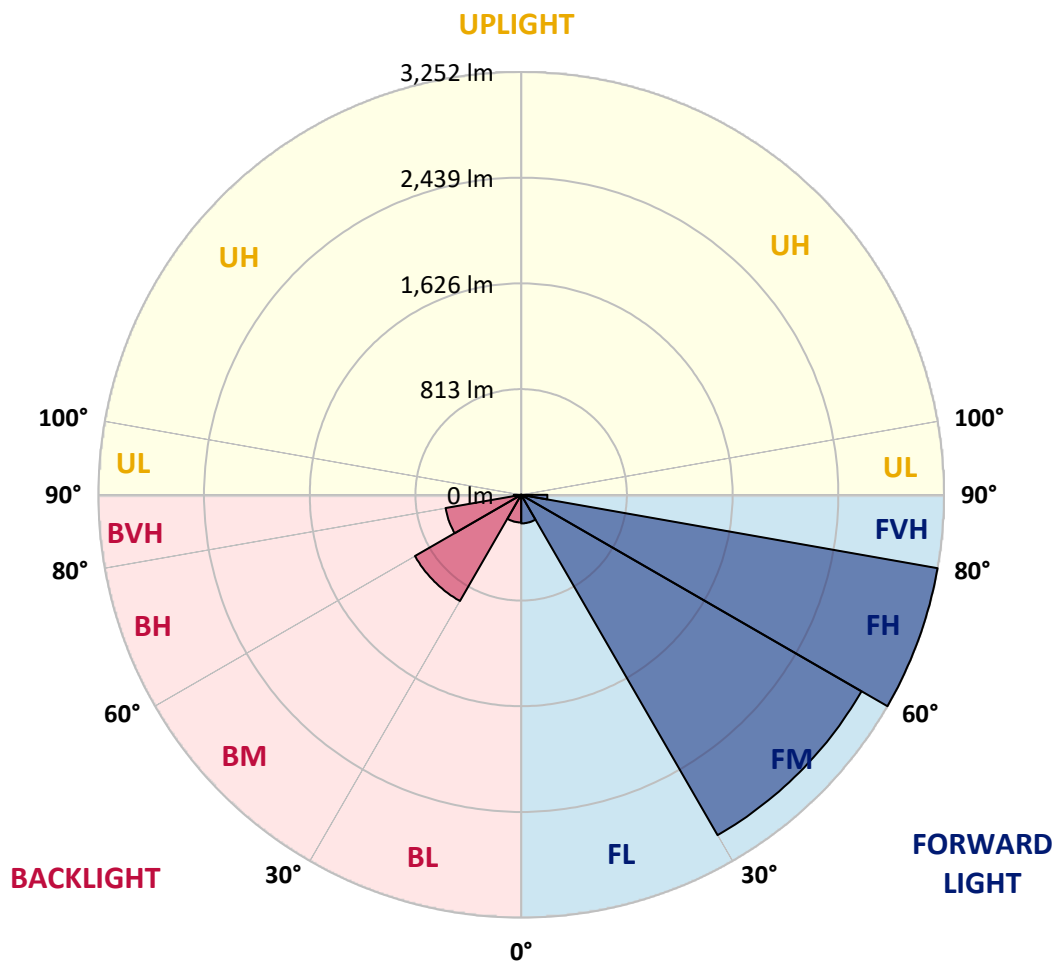
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	220.1	2.6			
FM	(30°-60°)	3022.0	35.6			
FH	(60°-80°)	3251.6	38.3			G2/5000
FVH	(80°-90°)	201.9	2.4			G2/225
BL	(0°-30°)	212.6	2.5	B1/500		
BM	(30°-60°)	943.2	11.1	B1/1000		
BH	(60°-80°)	590.4	6.9	B2/1000		G2/1000
BVH	(80°-90°)	56.4	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°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	4.6	3.7	4.6	5.5	5.5	4.6	3.7	3.7	3.7	3.7	2.7
5°	74.1	54.0	48.5	43.0	25.6	9.1	5.5	3.7	3.7	3.7	3.7
7.5°	156.4	156.4	156.4	157.4	156.4	116.2	27.4	6.4	3.7	3.7	3.7
10°	158.3	157.4	156.4	157.4	159.2	160.1	154.6	22.0	9.1	8.2	8.2
12.5°	286.3	284.5	274.5	192.1	162.8	163.8	167.4	120.8	43.9	116.2	135.4
15°	303.7	301.9	301.9	302.8	287.3	178.4	251.6	329.3	234.2	279.9	284.5
17.5°	340.3	330.3	322.0	316.5	318.4	355.0	356.8	364.1	272.6	313.8	319.3
20°	521.5	517.8	488.5	374.2	349.5	461.1	410.8	404.4	510.5	554.4	563.6
22.5°	595.6	591.9	570.9	550.7	574.5	502.3	584.6	602.9	691.6	665.1	673.3
25°	808.7	806.0	688.9	637.7	700.8	577.3	721.8	690.7	763.9	851.7	860.9
27.5°	989.9	983.5	959.7	860.0	782.2	865.5	798.7	923.1	1037.4	1052.1	1079.5
30°	1175.6	1133.5	1060.3	1064.0	963.3	954.2	951.4	1107.9	1111.5	1134.4	1181.1
32.5°	1479.3	1460.1	1398.8	1209.4	1187.5	1060.3	1171.0	1181.1	1451.9	1547.0	1556.2
35°	1722.7	1640.3	1582.7	1475.7	1309.2	1350.3	1304.6	1485.7	1592.8	1654.1	1691.6
37.5°	2110.6	2121.5	2027.3	1637.6	1533.3	1485.7	1565.3	1663.2	1796.8	1811.4	1868.1
40°	2389.6	2382.3	2255.1	1967.9	1734.6	1686.1	1739.1	1835.2	2016.3	2034.6	2048.4
42.5°	2795.8	2760.1	2582.6	2259.7	2043.8	1941.3	1956.0	1996.2	2177.4	2258.8	2242.3
45°	3171.8	3148.0	2968.7	2570.7	2336.5	2216.7	2194.7	2159.1	2376.8	2485.7	2455.5
47.5°	3466.4	3424.3	3321.8	2916.6	2736.3	2532.3	2422.5	2357.6	2574.4	2713.5	2671.4
50°	3782.0	3718.0	3625.6	3259.6	3082.1	2900.1	2658.6	2577.1	2796.7	2934.9	2901.0
52.5°	3991.5	3891.8	3834.2	3565.2	3401.4	3242.2	2888.2	2833.3	3041.0	3173.6	3166.3
55°	3886.3	3882.6	3941.2	3771.0	3611.8	3443.5	3127.0	3124.2	3296.2	3432.5	3438.9
57.5°	3703.3	3722.5	3889.0	3914.7	3847.0	3649.4	3422.5	3449.9	3596.3	3722.5	3736.3
60°	3470.0	3523.1	3762.8	3898.2	3952.2	3854.3	3707.0	3749.1	3923.8	4032.7	4029.0
62.5°	3161.7	3204.7	3503.0	3809.5	3919.2	4011.6	3969.6	4104.9	4243.1	4345.6	4372.1
65°	2797.6	2815.0	3137.9	3551.5	3835.1	4092.1	4189.1	4435.2	4502.0	4659.4	4664.8
67.5°	2394.2	2399.7	2680.5	3173.6	3652.1	4085.7	4375.7	4679.5	4662.1	4829.5	4816.7
69°	2110.6	2149.9	2380.5	2866.2	3474.6	4046.4	4468.1	4760.0	4701.4	4865.2	4809.4
70°	1911.1	1908.4	2171.9	2605.5	3318.2	3996.1	4526.7	4781.0	4702.3	4840.5	4756.3
72.5°	1217.7	1236.0	1463.8	1848.9	2674.1	3705.2	4599.0	4725.2	4601.7	4588.0	4407.8
75°	537.9	488.5	631.2	978.9	1681.5	2881.8	4425.1	4473.6	4315.4	4032.7	3723.5
77.5°	188.5	195.8	237.9	398.0	809.6	1717.2	3667.6	3935.7	3811.3	3131.5	2786.6
80°	134.5	135.4	159.2	222.3	392.5	605.6	2334.7	2847.0	2933.0	2064.8	1774.8
82.5°	95.1	95.1	118.0	141.8	271.7	270.8	1004.5	1566.2	1673.3	915.8	685.2
85°	79.6	81.4	90.6	82.3	159.2	138.1	247.9	483.0	396.1	111.6	97.9
87.5°	11.9	11.0	31.1	27.4	23.8	20.1	27.4	31.1	21.0	16.5	11.9
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°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	3.7	3.7	3.7	3.7	2.7	1.8	1.8	1.8	2.7	2.7	2.7
5°	3.7	3.7	3.7	3.7	3.7	3.7	4.6	6.4	7.3	8.2	8.2
7.5°	3.7	3.7	3.7	4.6	5.5	8.2	44.8	155.5	170.2	177.5	182.1
10°	7.3	8.2	8.2	8.2	20.1	172.0	204.9	212.2	219.6	223.2	222.3
12.5°	141.8	146.4	36.6	26.5	160.1	215.0	221.4	228.7	236.0	241.5	240.6
15°	291.8	299.2	287.3	297.3	315.6	233.3	238.8	404.4	438.2	444.6	445.5
17.5°	325.7	331.2	336.7	438.2	449.2	345.8	413.5	443.7	447.4	449.2	450.1
20°	620.3	617.5	499.5	480.3	475.7	600.1	439.1	447.4	535.2	609.3	613.0
22.5°	684.3	692.5	659.6	705.4	624.8	607.5	553.5	592.8	625.8	624.8	622.1
25°	887.4	898.4	756.6	733.7	749.3	603.8	690.7	591.9	601.1	602.0	607.5
27.5°	1109.7	1112.5	1050.3	826.1	737.4	747.4	650.5	630.3	704.4	709.0	709.0
30°	1208.5	1225.9	1109.7	956.9	763.9	706.3	630.3	687.1	654.1	659.6	659.6
32.5°	1605.6	1591.8	1449.1	947.8	791.3	649.5	658.7	636.7	705.4	723.6	725.5
35°	1709.9	1681.5	1457.4	1059.4	738.3	663.3	602.0	646.8	646.8	645.9	641.3
37.5°	1838.9	1789.5	1440.0	980.7	742.9	605.6	580.9	581.8	634.9	646.8	638.6
40°	1991.6	1917.5	1437.2	915.8	673.3	573.6	533.4	559.9	559.0	543.4	534.3
42.5°	2157.2	2059.3	1430.8	838.9	604.7	537.9	503.2	494.9	499.5	471.1	468.4
45°	2351.2	2205.7	1412.5	771.2	549.8	499.5	460.2	447.4	449.2	427.2	421.7
47.5°	2557.0	2356.7	1408.0	718.2	504.1	461.1	429.1	412.6	419.0	394.3	388.8
50°	2786.6	2512.2	1392.4	668.8	453.8	425.4	401.6	382.4	383.3	364.1	359.5
52.5°	3036.4	2663.1	1375.0	601.1	408.0	395.2	381.5	366.9	383.3	357.7	352.2
55°	3292.6	2847.0	1352.2	522.4	366.9	372.3	358.6	369.6	393.4	353.1	345.8
57.5°	3577.1	3019.9	1309.2	436.4	333.9	346.7	355.9	370.5	389.7	352.2	338.5
60°	3847.0	3186.4	1206.7	368.7	305.6	325.7	350.4	365.0	363.2	345.8	336.7
62.5°	4121.4	3323.7	1017.3	316.5	281.8	315.6	342.2	348.6	340.3	333.9	328.4
65°	4272.4	3357.5	788.6	281.8	262.6	301.9	332.1	337.6	325.7	325.7	321.1
67.5°	4247.7	3248.6	581.8	253.4	246.1	288.2	314.7	327.5	319.3	325.7	318.4
69°	4148.9	3124.2	457.4	238.8	237.9	277.2	304.6	319.3	312.9	322.0	312.9
70°	4032.7	2998.9	404.4	230.5	229.6	269.0	298.2	312.9	305.6	312.9	304.6
72.5°	3587.1	2573.5	290.0	207.7	210.4	252.5	282.7	293.7	287.3	289.1	278.1
75°	2868.1	1913.0	229.6	188.5	191.2	233.3	265.3	271.7	267.1	258.9	252.5
77.5°	2016.3	1233.2	188.5	171.1	172.0	210.4	247.0	246.1	238.8	230.5	222.3
80°	1099.7	580.0	160.1	150.0	152.8	187.5	220.5	217.7	208.6	200.4	190.3
82.5°	475.7	234.2	124.4	119.8	128.1	157.4	189.4	182.1	173.8	177.5	138.1
85°	85.1	80.5	72.3	76.8	86.9	111.6	133.6	127.2	122.6	104.3	96.1
87.5°	7.3	11.0	11.0	13.7	19.2	21.0	37.5	27.4	28.4	11.0	5.5
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)