

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: P415988

Luminaire Tested: **LXF.LXT-PA1-60-750-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-750-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7576 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

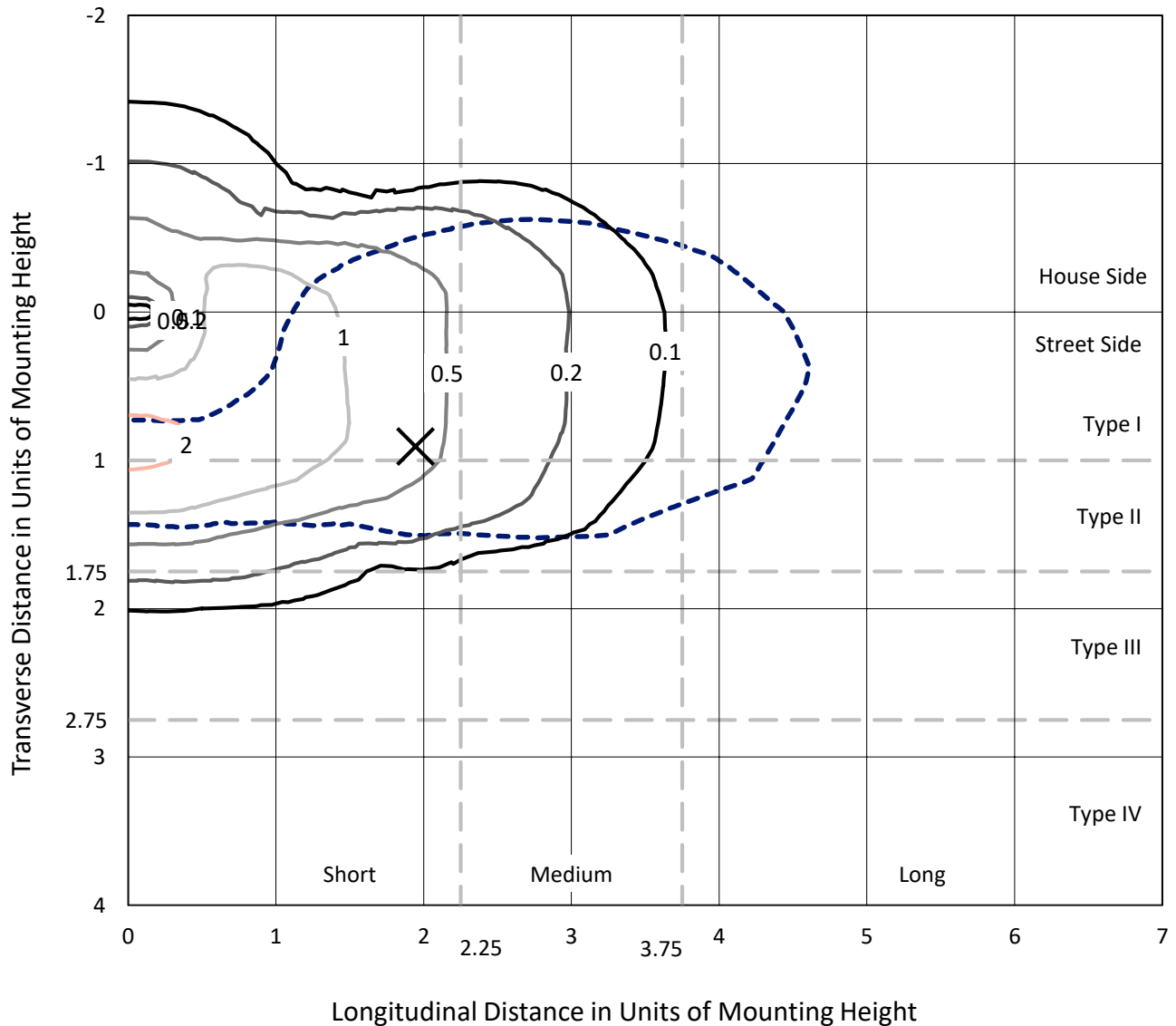
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

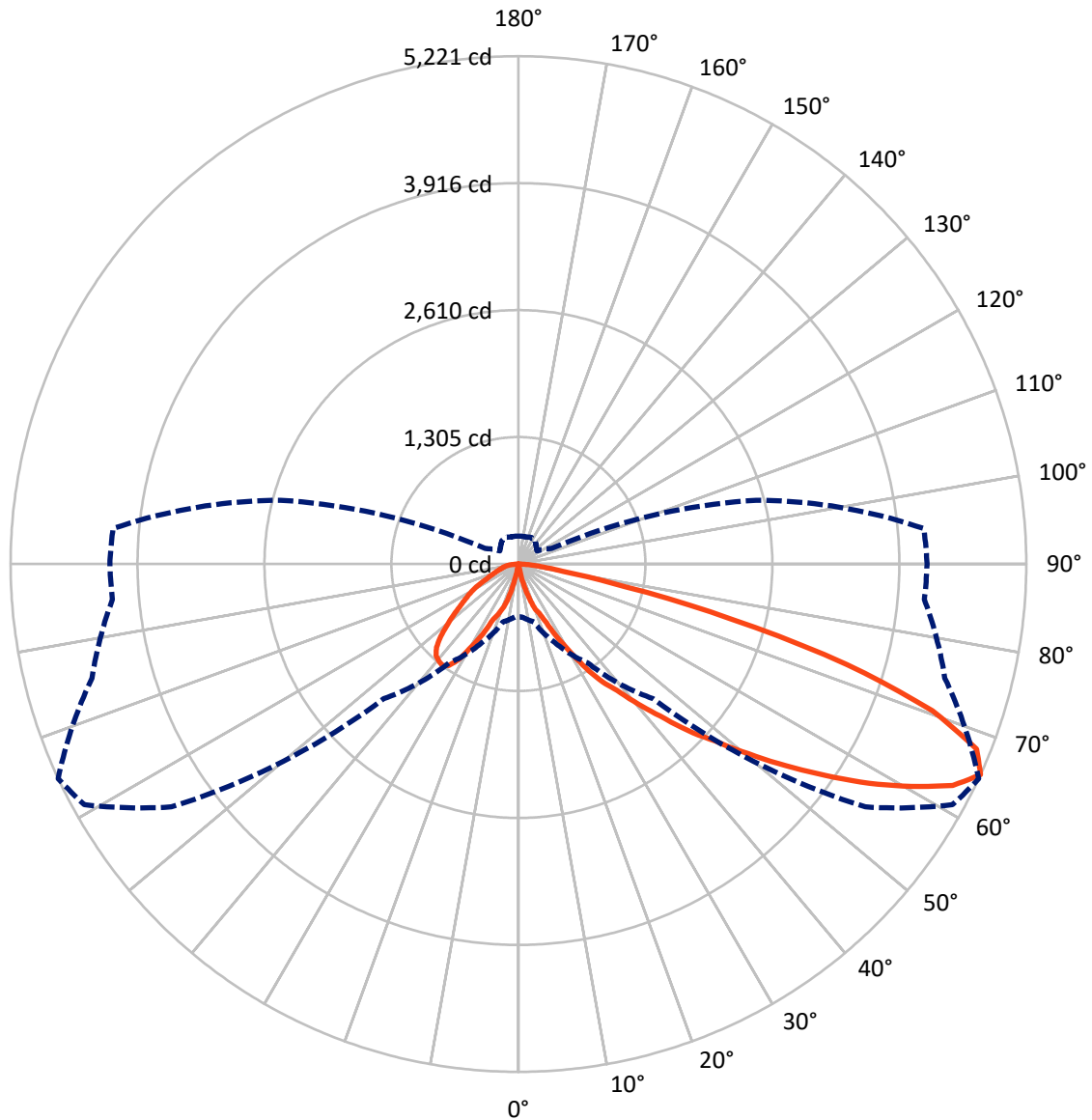


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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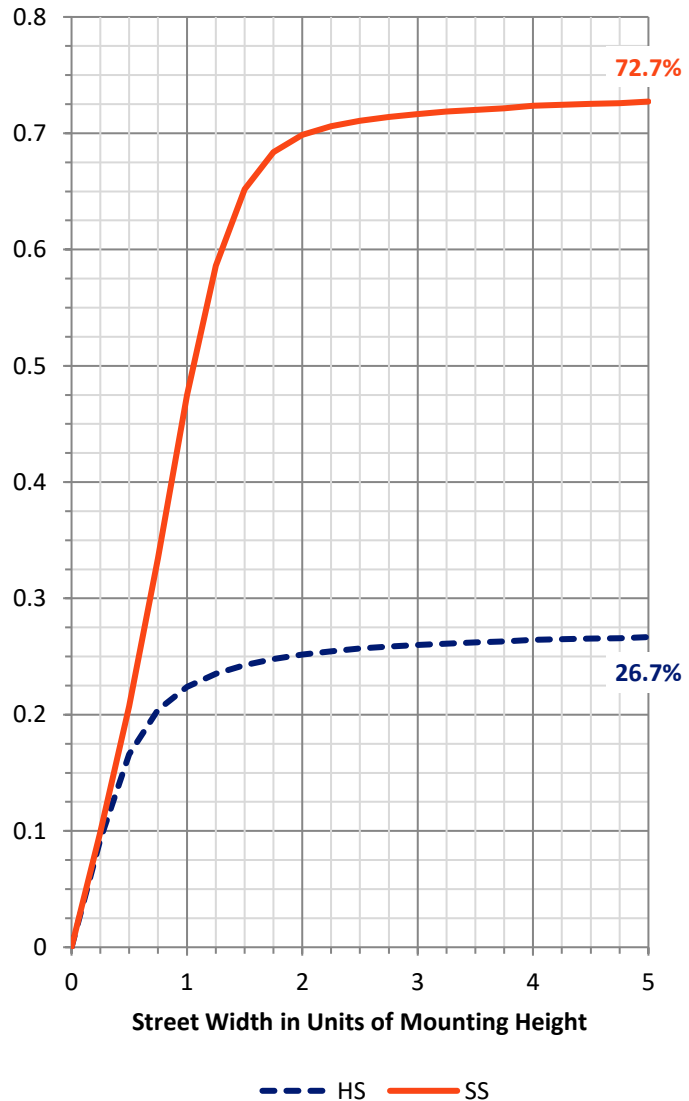
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2044.2	0.0	2044.2
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	5531.8	0.0	5531.8
	% Fixture	73.0	0.0	73.0
Total	Lumens	7576.0	0.0	7576.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.1
10°-20°	83.7	1.1
20°-30°	322.2	4.3
30°-40°	806.4	10.6
40°-50°	1501.5	19.8
50°-60°	1966.1	26.0
60°-70°	1762.6	23.3
70°-80°	969.5	12.8
80°-90°	158.4	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°	7576.0	100.0
0°-180°	7576.0	100.0

Coefficient of Utilization



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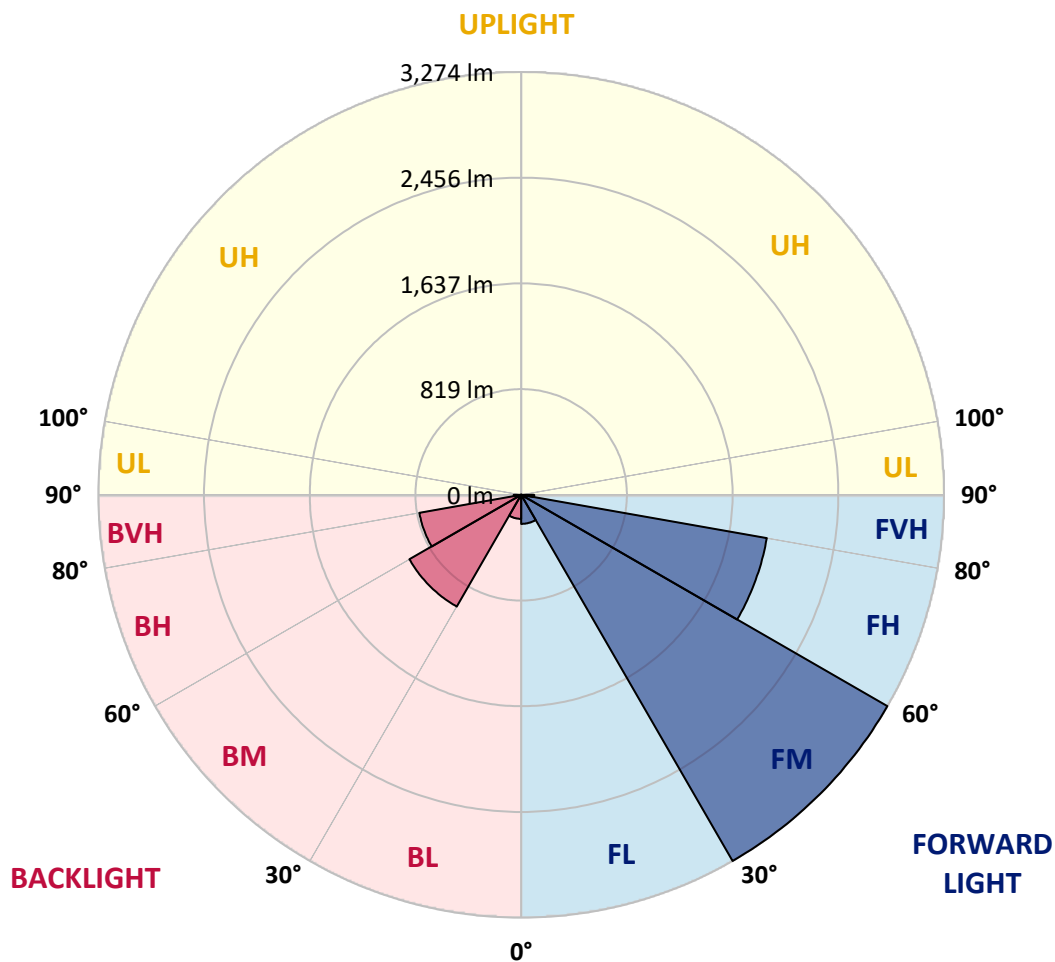
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	225.2	3.0			
FM	(30°-60°)	3274.5	43.2			
FH	(60°-80°)	1931.6	25.5			G2/5000
FVH	(80°-90°)	100.5	1.3			G2/225
BL	(0°-30°)	186.2	2.5	B1/500		
BM	(30°-60°)	999.6	13.2	B1/1000		
BH	(60°-80°)	800.5	10.6	B2/1000		G2/1000
BVH	(80°-90°)	57.9	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	85°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	4.1	4.1	4.9	5.7	5.7	4.9	4.1	3.3	2.4	1.6	1.6
5°	37.5	33.4	26.1	17.9	10.6	8.2	6.5	4.9	4.1	2.4	1.6
7.5°	183.5	182.7	181.9	182.7	178.6	70.2	13.1	8.2	6.5	3.3	2.4
10°	184.4	183.5	182.7	184.4	184.4	181.9	172.9	25.3	13.1	8.2	8.2
12.5°	327.9	316.5	218.6	192.5	186.0	186.0	186.0	166.4	158.3	116.7	141.1
15°	344.2	341.8	341.0	342.6	303.5	200.7	280.6	264.3	267.6	228.4	270.8
17.5°	362.2	358.1	354.9	355.7	341.8	394.0	368.7	376.9	380.1	288.8	316.5
20°	561.2	561.2	518.8	393.2	431.5	494.3	407.9	447.8	496.0	431.5	443.0
22.5°	637.1	631.4	625.7	593.0	542.5	539.2	593.0	519.6	551.4	633.8	585.7
25°	866.3	868.0	727.6	684.4	757.8	660.8	708.1	704.0	666.5	768.4	742.3
27.5°	1096.4	1099.6	1084.1	965.0	866.3	850.0	806.0	868.8	859.0	852.5	913.6
30°	1310.9	1310.1	1239.9	1190.2	1137.2	1042.5	993.6	1006.6	1045.8	1009.9	1139.6
32.5°	1824.0	1810.1	1735.1	1419.4	1337.8	1248.9	1235.0	1198.3	1276.6	1251.4	1371.3
35°	2165.8	2162.5	2026.3	1848.5	1590.7	1492.0	1493.6	1425.1	1489.6	1522.2	1540.9
37.5°	2929.3	2917.9	2710.7	2189.5	1986.3	1783.2	1745.7	1713.1	1646.2	1740.8	1740.0
40°	3340.5	3307.9	3125.1	2781.7	2332.2	2087.5	2009.2	1939.0	1890.9	1946.4	1939.0
42.5°	3660.3	3635.0	3506.1	3150.4	2783.3	2593.3	2301.2	2234.3	2137.3	2203.3	2169.1
45°	3889.5	3876.4	3761.4	3497.1	3215.7	3076.2	2630.8	2526.4	2442.3	2433.4	2413.0
47.5°	3933.5	3905.8	3871.5	3723.1	3603.2	3561.6	3038.7	2858.4	2719.7	2693.6	2659.3
50°	3725.5	3717.4	3762.2	3735.3	3881.3	3978.4	3509.3	3259.7	3065.6	2973.4	2907.3
52.5°	3243.4	3260.5	3432.7	3552.6	3916.4	4268.8	3951.5	3710.0	3444.9	3241.8	3152.9
55°	2576.9	2638.9	2894.3	3143.9	3697.0	4394.4	4370.8	4180.7	3838.9	3542.0	3410.6
57.5°	1979.0	1972.5	2301.2	2528.0	3251.6	4310.4	4643.2	4589.4	4253.3	3853.6	3657.0
60°	1282.4	1276.6	1664.9	1955.3	2506.0	3879.7	4784.4	4925.5	4642.4	4122.8	3878.9
62.5°	837.0	872.0	1019.7	1432.5	1789.8	3000.3	4737.0	5134.3	5012.8	4372.4	4091.8
65°	538.4	551.4	615.9	892.4	1240.8	1957.0	4353.6	5103.3	5220.8	4538.8	4188.9
67.5°	401.3	404.6	435.6	554.7	844.3	1022.9	3417.2	4672.6	5079.7	4550.2	4157.0
70°	352.4	358.9	389.1	418.5	628.1	643.6	1997.8	3756.5	4513.5	4386.3	3996.3
72.5°	301.0	307.5	347.5	389.9	480.5	482.9	747.2	2496.2	3533.8	4053.4	3738.6
75°	245.5	249.6	284.7	341.8	400.5	387.5	432.3	1128.2	2262.1	3369.0	3334.8
77.5°	198.2	201.5	226.8	272.5	354.9	296.9	322.2	483.7	1124.1	2432.6	2701.8
80°	143.6	145.2	169.7	208.8	266.7	265.1	240.6	306.7	464.2	1421.0	1788.9
82.5°	91.4	91.4	116.7	137.0	177.0	261.9	168.9	206.4	259.4	707.3	860.6
85°	51.4	53.0	73.4	79.9	103.6	159.1	121.5	114.2	140.3	256.1	212.1
87.5°	9.8	12.2	21.2	22.8	26.9	37.5	44.1	40.0	41.6	59.5	35.1
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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	1.6	2.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.4	2.4
5°	1.6	2.4	3.3	3.3	4.1	5.7	6.5	6.5	7.3	8.2	7.3
7.5°	1.6	2.4	3.3	4.9	6.5	13.1	47.3	167.2	179.5	181.9	185.2
10°	7.3	7.3	8.2	9.0	36.7	175.4	188.4	190.1	191.7	192.5	193.3
12.5°	143.6	141.9	141.1	108.5	167.2	193.3	195.8	197.4	199.9	238.2	257.8
15°	274.1	274.9	261.0	250.4	291.2	212.1	226.0	349.1	361.4	365.5	367.9
17.5°	314.1	327.9	291.2	386.7	383.4	323.0	355.7	374.4	376.1	378.5	379.3
20°	446.2	443.0	424.2	484.6	415.2	531.1	440.5	379.3	477.2	525.3	526.2
22.5°	579.2	580.0	553.1	559.6	597.1	546.6	441.3	500.9	513.1	512.3	509.8
25°	746.4	739.9	726.8	622.4	704.8	594.7	587.3	485.4	487.0	526.2	551.4
27.5°	912.8	896.5	845.1	806.8	731.7	661.6	554.7	525.3	566.1	563.7	564.5
30°	1142.9	1117.6	975.6	970.7	776.6	655.0	564.5	522.9	509.0	512.3	510.7
32.5°	1372.9	1327.2	1199.1	1157.5	828.0	610.2	518.0	482.9	522.9	528.6	525.3
35°	1514.8	1477.3	1433.3	1267.7	833.7	562.1	469.1	477.2	474.8	472.3	473.9
37.5°	1680.4	1619.3	1580.9	1305.2	786.4	501.7	447.0	440.5	479.7	480.5	477.2
40°	1865.6	1796.3	1710.6	1288.1	678.7	454.4	415.2	436.4	438.9	429.1	426.6
42.5°	2074.4	1973.3	1846.0	1265.2	562.9	426.6	403.0	405.4	407.1	396.5	392.4
45°	2284.9	2166.6	1961.9	1201.6	478.8	398.9	384.2	383.4	375.2	365.5	363.0
47.5°	2520.7	2382.0	2057.3	1090.7	419.3	377.7	372.0	356.5	358.9	350.0	349.1
50°	2763.8	2614.5	2112.0	957.7	380.1	359.7	350.0	345.1	351.6	341.0	339.4
52.5°	3002.0	2877.1	2198.4	838.6	346.7	344.2	340.2	341.8	344.2	332.8	332.0
55°	3260.5	3170.8	2277.6	725.2	317.3	323.0	336.9	336.1	335.3	324.7	324.7
57.5°	3497.9	3453.9	2358.3	637.9	294.5	304.3	329.6	329.6	325.5	316.5	315.7
60°	3773.6	3741.0	2435.0	559.6	274.9	287.1	320.6	321.4	314.1	307.5	305.9
62.5°	4024.1	3999.6	2496.2	477.2	253.7	272.5	307.5	313.2	302.6	297.7	297.7
65°	4200.3	4183.2	2529.6	375.2	233.3	257.8	293.7	301.8	288.0	287.1	287.1
67.5°	4215.8	4205.2	2460.3	313.2	218.6	243.9	276.5	284.7	272.5	274.9	270.0
70°	4071.4	3993.9	2263.7	261.0	203.9	226.0	256.1	265.9	253.7	254.5	246.4
72.5°	3766.3	3542.8	1916.2	221.9	187.6	206.4	234.1	243.1	231.7	229.2	220.3
75°	3253.2	2908.1	1333.7	192.5	170.5	185.2	207.2	216.2	208.8	196.6	194.1
77.5°	2519.8	2131.5	817.4	166.4	155.0	163.1	179.5	184.4	177.0	162.3	159.9
80°	1588.3	1278.3	394.0	144.4	134.6	138.7	149.3	153.4	147.7	133.0	124.8
82.5°	727.6	552.3	208.0	116.7	109.3	109.3	119.9	116.7	111.8	97.9	79.1
85°	169.7	174.6	96.3	71.8	69.3	62.0	71.8	71.0	63.6	48.9	40.8
87.5°	27.7	31.0	24.5	22.0	17.9	13.9	15.5	13.1	11.4	5.7	2.4
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)