

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: INVUE

Report Number: P671998

Luminaire Tested: **CCP-SA-2E-760-U-AFL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671998
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-760-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ AFL distribution lens
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

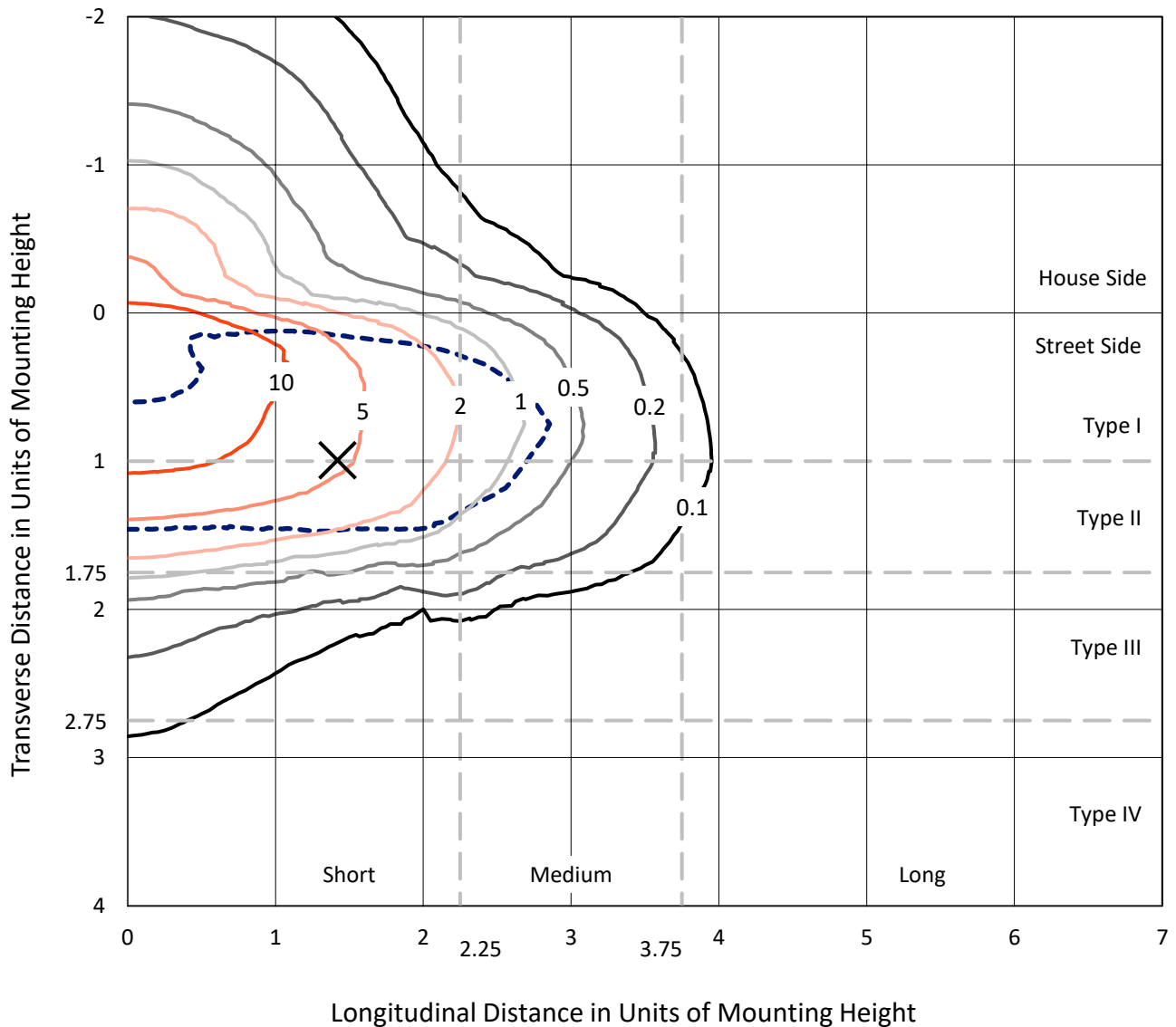
Lumens per Lamp: N/A
Luminaire Lumens: 14114.2 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 106.6
Input Voltage (V): 120
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: 25 FT

REPORT NUMBER: P671998
 CATALOG NUMBER: CCP-SA-2E-760-U-AFL

Iso-Footcandle Lines of Horizontal Illumination

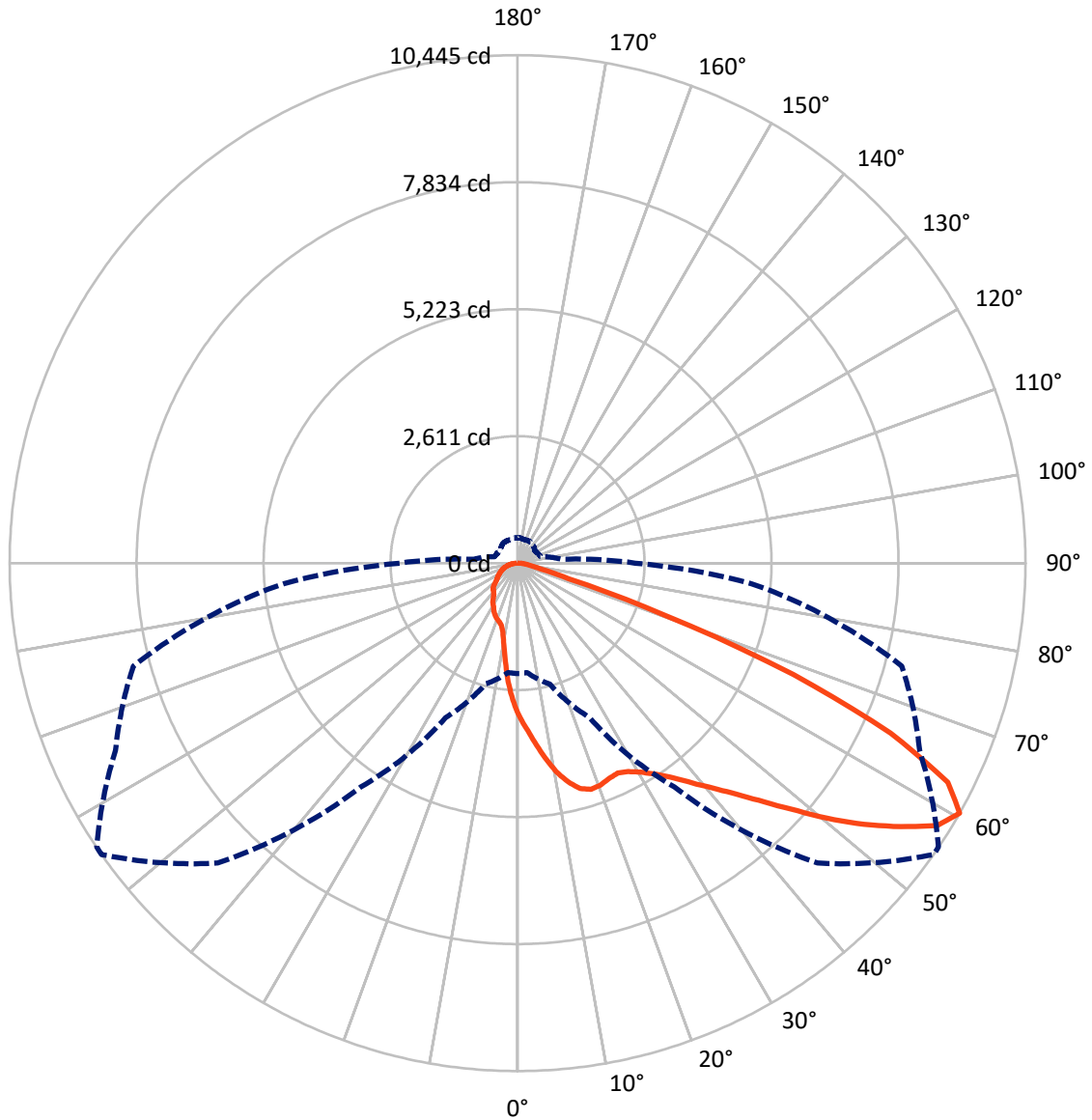
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 19.6 fc
 Type II - Short - N/A

REPORT NUMBER: P671998
CATALOG NUMBER: CCP-SA-2E-760-U-AFL

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P671998

CATALOG NUMBER: CCP-SA-2E-760-U-AFL

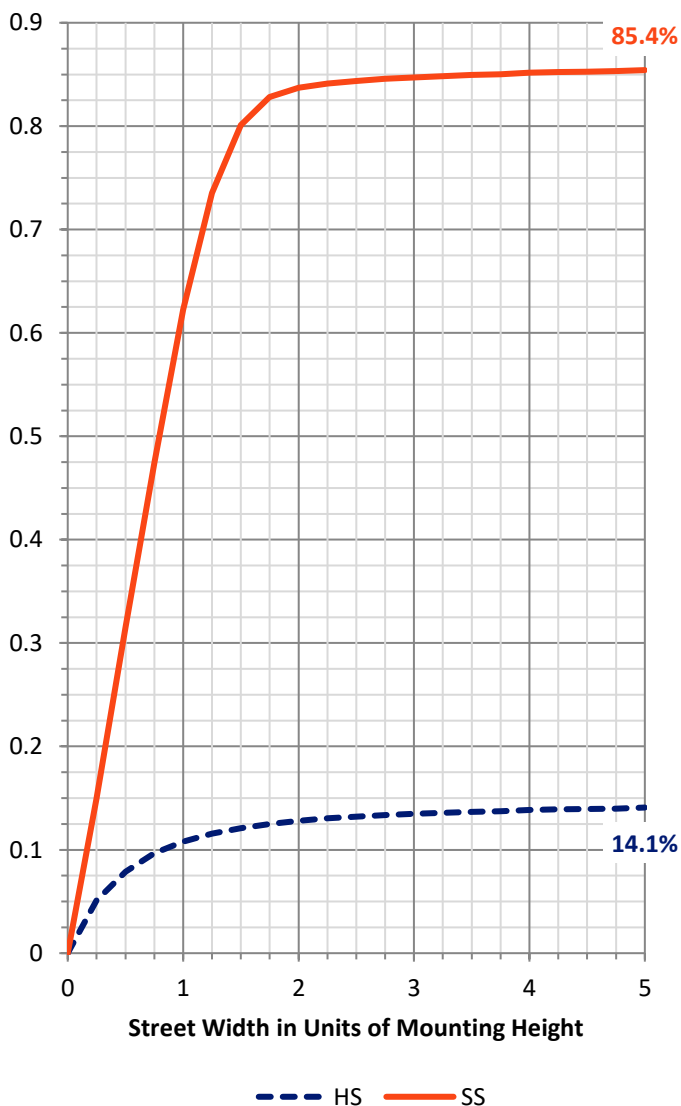
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2029.0	0.0	2029.0
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	12085.2	0.0	12085.2
	% Fixture	85.6	0.0	85.6
Total	Lumens	14114.2	0.0	14114.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.9	2.1
10°-20°	829.9	5.9
20°-30°	1351.3	9.6
30°-40°	2019.6	14.3
40°-50°	2968.4	21.0
50°-60°	3479.1	24.6
60°-70°	2293.9	16.3
70°-80°	730.5	5.2
80°-90°	148.5	1.1
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°	14114.2	100.0
0°-180°	14114.2	100.0



REPORT NUMBER: P671998

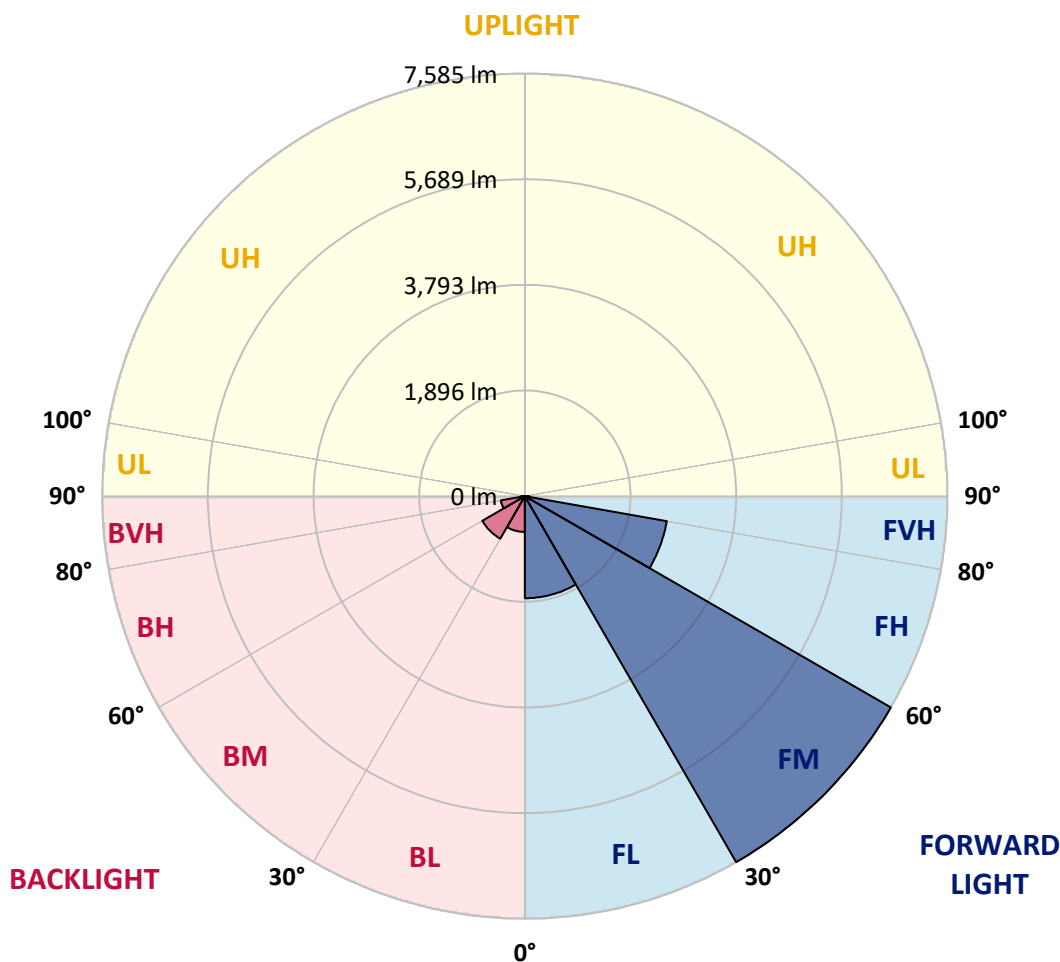
CATALOG NUMBER: CCP-SA-2E-760-U-AFL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1831.9	13.0			
FM (30°-60°)	7585.3	53.7			
FH (60°-80°)	2586.6	18.3			G2/5000
FVH (80°-90°)	81.5	0.6			G1/100
BL (0°-30°)	642.2	4.6	B2/1000		
BM (30°-60°)	881.8	6.2	B1/1000		
BH (60°-80°)	437.8	3.1	B1/500		G1/500
BVH (80°-90°)	67.1	0.5			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





REPORT NUMBER: P671998

CATALOG NUMBER: CCP-SA-2E-760-U-AFL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3130.2	3130.2	3130.2	3130.2	3130.2	3130.2	3130.2	3130.2	3130.2	3130.2	3130.2
2.5°	3642.7	3629.4	3629.4	3595.6	3545.5	3476.0	3393.1	3372.6	3340.9	3260.1	3155.8
5°	4198.2	4183.8	4164.4	4105.1	4012.0	3872.9	3697.9	3666.2	3552.7	3385.9	3197.7
7.5°	4565.4	4557.2	4551.1	4499.9	4407.9	4270.8	4036.5	4000.7	3808.4	3532.2	3237.6
10°	4527.5	4552.1	4595.1	4630.9	4649.3	4578.7	4358.8	4316.8	4078.5	3702.0	3296.9
12.5°	4172.6	4207.4	4287.2	4433.4	4602.2	4738.3	4613.5	4589.9	4366.9	3882.1	3371.6
15°	3908.7	3923.0	3961.9	4070.3	4321.9	4685.1	4810.9	4789.4	4636.0	4113.3	3457.5
17.5°	3826.8	3833.0	3842.2	3878.0	4049.8	4477.4	4891.7	4912.2	4896.8	4353.6	3554.7
20°	3867.7	3871.8	3872.9	3879.0	3960.8	4303.5	4870.2	4905.0	5126.0	4594.0	3650.9
22.5°	4025.3	4020.2	4013.0	3989.5	4035.5	4272.8	4812.9	4868.2	5302.9	4812.9	3739.9
25°	4300.5	4293.3	4243.2	4194.1	4213.5	4383.3	4782.3	4841.6	5441.0	5019.6	3805.3
27.5°	4627.8	4620.6	4569.5	4476.4	4455.9	4567.4	4853.9	4890.7	5542.3	5202.7	3834.0
30°	4967.4	4967.4	4904.0	4796.6	4731.1	4778.2	4985.8	5015.5	5619.0	5379.7	3852.4
32.5°	5337.7	5347.9	5249.7	5127.0	5054.4	5026.7	5171.0	5196.5	5730.5	5588.3	3891.3
35°	5813.4	5790.9	5671.2	5509.6	5393.0	5330.6	5400.1	5429.8	5894.2	5848.2	3953.7
37.5°	6348.4	6308.5	6161.2	5967.8	5764.3	5659.9	5706.0	5713.1	6136.6	6186.8	4067.2
40°	6790.3	6783.1	6658.3	6475.2	6218.5	6078.3	6055.8	6059.9	6473.2	6587.8	4239.1
42.5°	7162.6	7136.0	7113.5	7049.1	6777.0	6546.8	6454.8	6455.8	6838.4	7002.0	4412.0
45°	7327.3	7322.2	7388.7	7554.4	7359.0	7088.0	6957.0	6975.4	7256.8	7427.6	4578.7
47.5°	7256.8	7260.8	7438.8	7873.6	7989.2	7781.5	7549.3	7538.1	7661.8	7753.9	4726.0
50°	6626.6	6693.1	7174.9	7903.3	8402.5	8505.8	8243.9	8202.0	8016.8	8013.7	4816.0
52.5°	6151.0	6147.9	6443.5	7601.5	8548.7	9159.4	8924.2	8830.0	8310.4	8160.0	4823.2
55°	5508.5	5504.5	5724.4	6718.7	8258.2	9615.7	9565.5	9447.9	8579.4	8208.1	4774.1
57.5°	4171.6	4249.3	4468.2	5378.6	7337.6	9543.0	10178.3	10080.1	8842.3	8186.6	4764.9
60°	2269.9	2260.7	2577.8	3505.6	5618.0	8718.5	10445.3	10440.2	9121.6	8178.4	4821.1
62.5°	1046.5	1036.2	1099.7	1561.0	3221.2	6984.7	9929.7	10003.4	9380.4	8103.8	4816.0
65°	782.6	756.0	670.0	726.3	1232.6	4169.5	8434.2	8630.6	8981.4	7796.9	4593.0
67.5°	697.6	672.1	571.8	536.0	618.9	1471.0	6118.2	6299.3	7510.4	7222.0	4231.9
70°	639.3	616.8	516.6	460.3	464.4	651.6	3202.8	3558.8	5504.5	6027.2	3606.9
72.5°	583.1	563.6	472.6	405.1	390.8	430.7	1091.5	1316.5	3423.8	4392.5	2689.3
75°	523.7	505.3	425.5	363.1	335.5	319.2	519.7	559.5	1810.6	2425.4	1443.4
77.5°	455.2	445.0	379.5	320.2	296.7	241.4	345.8	363.1	775.4	952.4	687.4
80°	395.9	387.7	338.6	290.5	266.0	186.2	238.3	250.6	382.6	475.7	384.6
82.5°	257.8	278.2	280.3	249.6	234.3	149.3	157.5	166.7	253.7	280.3	167.8
85°	106.4	128.9	193.3	171.9	162.6	126.8	104.3	106.4	155.5	163.7	60.4
87.5°	48.1	53.2	95.1	96.2	83.9	48.1	52.2	57.3	79.8	78.8	26.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P671998
 CATALOG NUMBER: CCP-SA-2E-760-U-AFL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3130.2	3130.2	3130.2	3130.2	3130.2	3130.2	3130.2	3130.2	3130.2	3130.2	3130.2
2.5°	3127.1	3080.1	2996.2	2888.8	2812.1	2755.8	2694.4	2649.4	2599.3	2555.3	2562.5
5°	3120.0	3028.9	2840.7	2641.2	2446.9	2287.3	2154.3	2056.1	1954.8	1914.9	1909.8
7.5°	3126.1	2971.6	2662.7	2336.4	2040.8	1837.2	1682.7	1589.7	1531.3	1497.6	1499.6
10°	3124.1	2917.4	2470.4	2020.3	1697.1	1510.9	1416.8	1386.1	1381.0	1385.1	1391.2
12.5°	3127.1	2843.8	2254.6	1735.9	1450.5	1355.4	1359.5	1387.1	1404.5	1415.8	1422.9
15°	3140.4	2783.4	2033.6	1511.9	1321.6	1324.7	1368.7	1411.7	1437.2	1449.5	1455.6
17.5°	3159.9	2707.7	1837.2	1342.1	1267.4	1314.5	1371.8	1417.8	1437.2	1444.4	1449.5
20°	3161.9	2620.8	1638.8	1225.5	1231.6	1293.0	1343.1	1379.9	1404.5	1412.7	1416.8
22.5°	3152.7	2503.1	1435.2	1140.6	1190.7	1252.1	1295.0	1337.0	1304.3	1277.7	1270.5
25°	3113.8	2354.8	1261.3	1071.0	1139.6	1196.8	1245.9	1199.9	1184.6	1164.1	1166.2
27.5°	3030.0	2169.7	1097.6	1005.6	1079.2	1161.0	1125.2	1119.1	1099.7	1079.2	1079.2
30°	2919.5	1974.3	960.5	937.0	1006.6	1047.5	1055.7	1046.5	1035.2	1008.6	1010.7
32.5°	2820.3	1767.6	863.4	879.7	960.5	960.5	996.3	996.3	955.4	880.8	880.8
35°	2722.1	1573.3	791.8	831.7	884.8	902.2	951.3	886.9	828.6	794.8	792.8
37.5°	2645.3	1407.6	744.7	790.7	811.2	855.2	856.2	809.1	789.7	759.0	756.0
40°	2600.3	1268.4	716.1	770.3	772.3	813.2	745.7	759.0	754.9	731.4	728.3
42.5°	2575.8	1161.0	694.6	752.9	742.7	702.8	690.5	713.0	720.2	707.9	702.8
45°	2556.3	1077.2	677.2	692.5	719.1	646.5	641.4	658.8	674.1	673.1	669.0
47.5°	2546.1	1018.9	661.8	654.7	659.8	612.7	602.5	610.7	630.1	642.4	641.4
50°	2506.2	973.8	639.3	615.8	583.1	583.1	578.0	578.0	601.5	626.0	628.1
52.5°	2435.6	920.6	606.6	579.0	541.1	557.5	559.5	555.5	580.0	606.6	608.7
55°	2357.9	880.8	562.6	545.2	506.4	534.0	543.2	539.1	555.5	573.9	572.8
57.5°	2358.9	879.7	524.8	511.5	473.6	504.3	526.8	527.8	526.8	540.1	540.1
60°	2418.2	900.2	495.1	466.5	435.8	472.6	509.4	509.4	502.3	521.7	523.7
62.5°	2435.6	898.1	476.7	423.5	402.0	444.0	483.9	490.0	484.9	512.5	515.6
65°	2282.2	850.1	458.3	384.6	371.3	412.2	452.1	469.5	464.4	500.2	504.3
67.5°	2069.4	787.7	429.6	349.8	339.6	381.6	419.4	437.8	436.8	483.9	485.9
70°	1784.0	710.9	393.8	314.0	308.9	345.8	379.5	398.9	408.2	462.4	461.3
72.5°	1382.0	609.7	339.6	276.2	275.2	308.9	338.6	360.1	377.5	429.6	429.6
75°	891.0	479.8	277.2	239.4	235.3	267.0	297.7	322.2	375.4	458.3	457.3
77.5°	544.2	366.2	223.0	199.5	198.5	227.1	257.8	299.7	410.2	408.2	396.9
80°	326.3	262.9	178.0	159.6	159.6	186.2	219.9	321.2	340.6	388.7	367.2
82.5°	169.8	161.6	133.0	117.6	122.8	146.3	200.5	256.8	278.2	236.3	216.9
85°	69.6	85.9	81.8	74.7	77.7	101.3	193.3	205.6	164.7	172.9	173.9
87.5°	23.5	37.8	37.8	29.7	32.7	71.6	114.6	68.5	82.9	49.1	36.8
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)