

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: P671965

Luminaire Tested: **CCP-SA-2E-735-U-AFL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671965
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-735-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ AFL distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

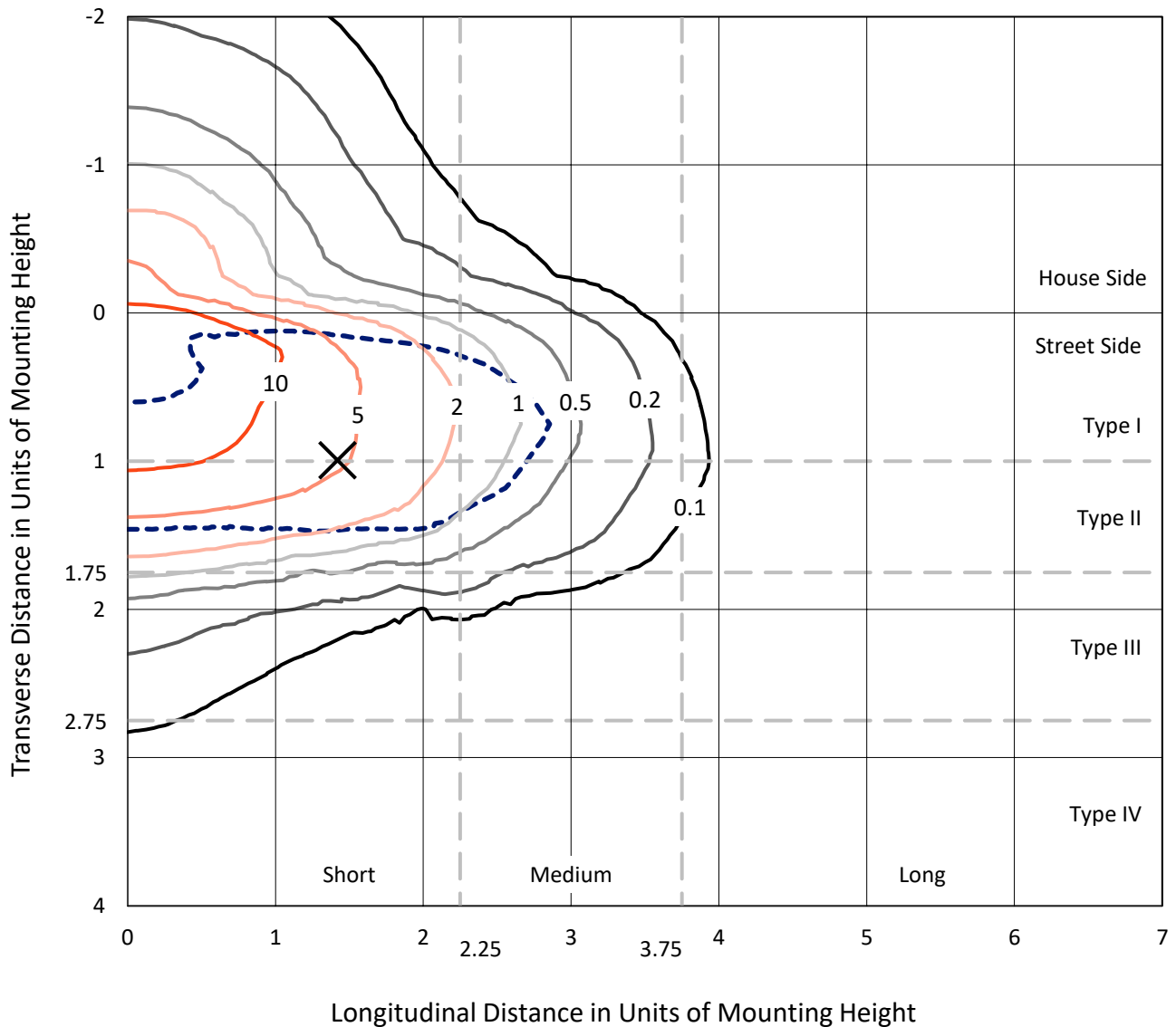
Lumens per Lamp: N/A
Luminaire Lumens: 13609.2 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

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

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Iso-Footcandle Lines of Horizontal Illumination

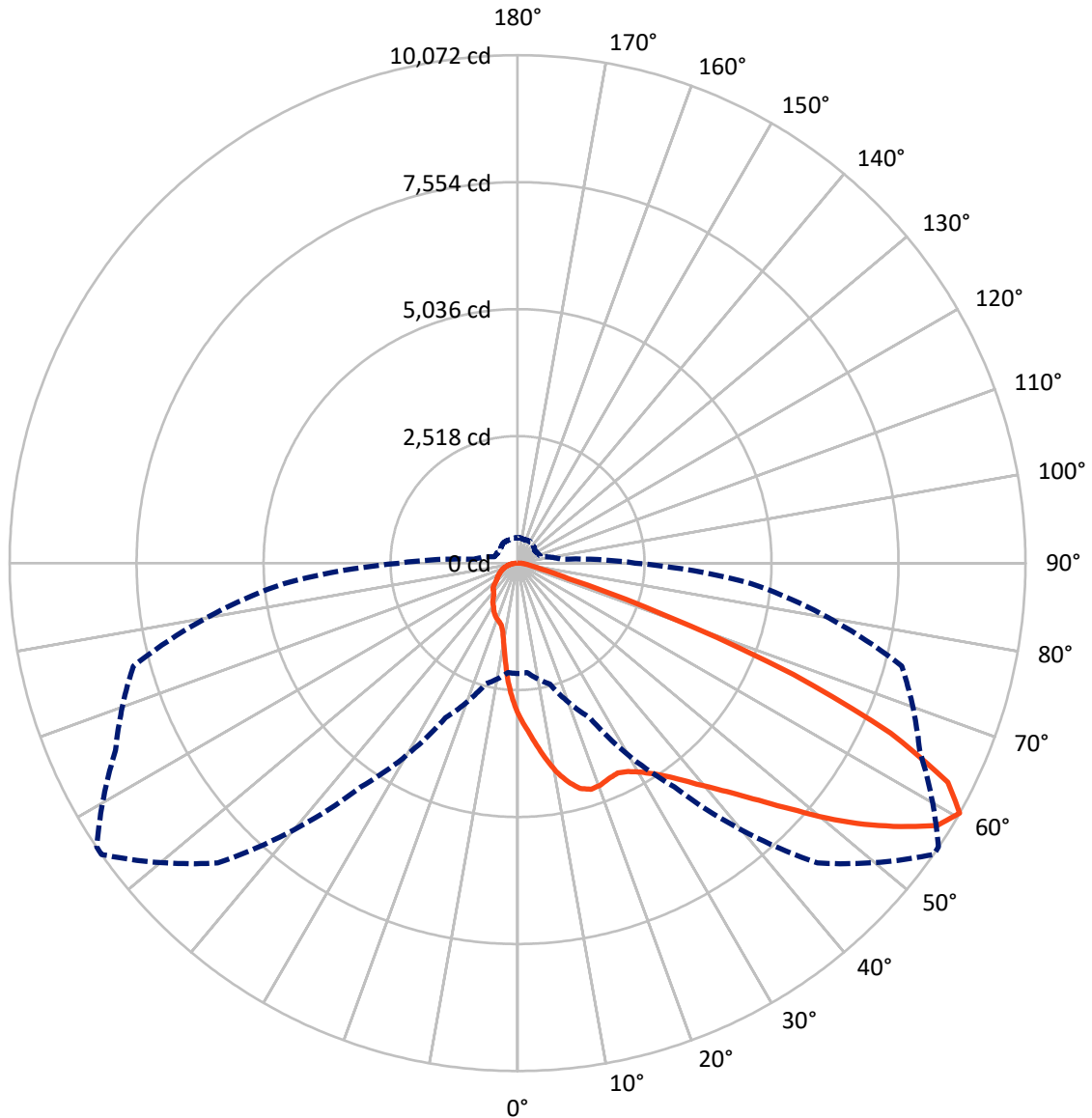
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 18.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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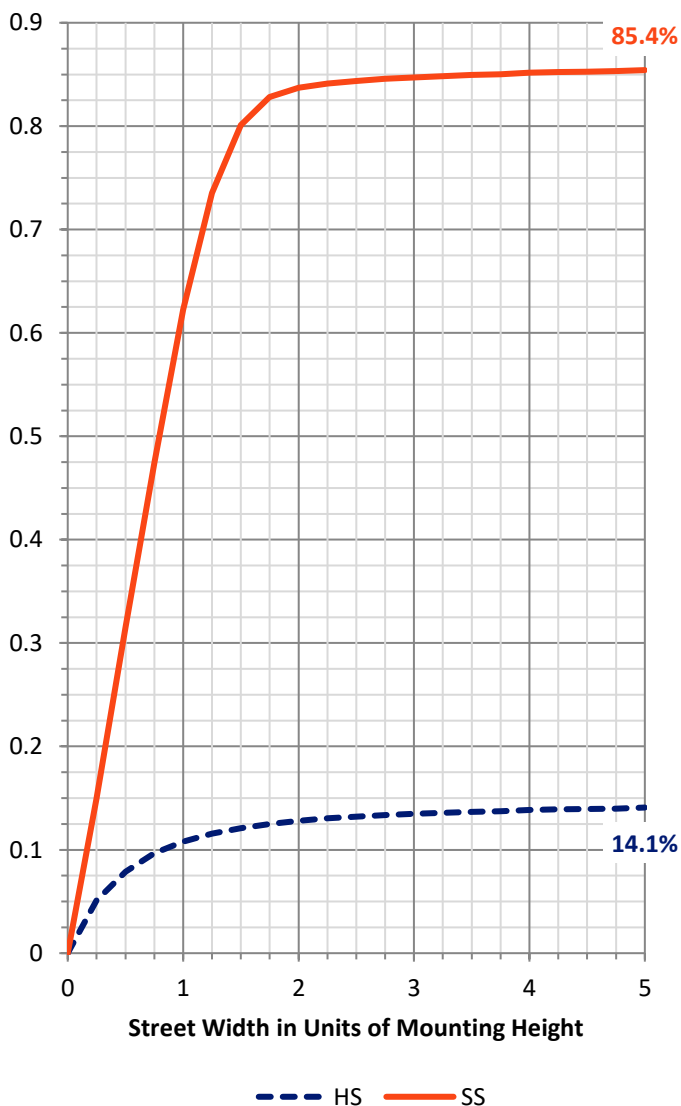
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1956.4	0.0	1956.4
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	11652.8	0.0	11652.8
	% Fixture	85.6	0.0	85.6
Total	Lumens	13609.2	0.0	13609.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.5	2.1
10°-20°	800.2	5.9
20°-30°	1302.9	9.6
30°-40°	1947.4	14.3
40°-50°	2862.2	21.0
50°-60°	3354.6	24.6
60°-70°	2211.9	16.3
70°-80°	704.3	5.2
80°-90°	143.2	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°	13609.2	100.0
0°-180°	13609.2	100.0



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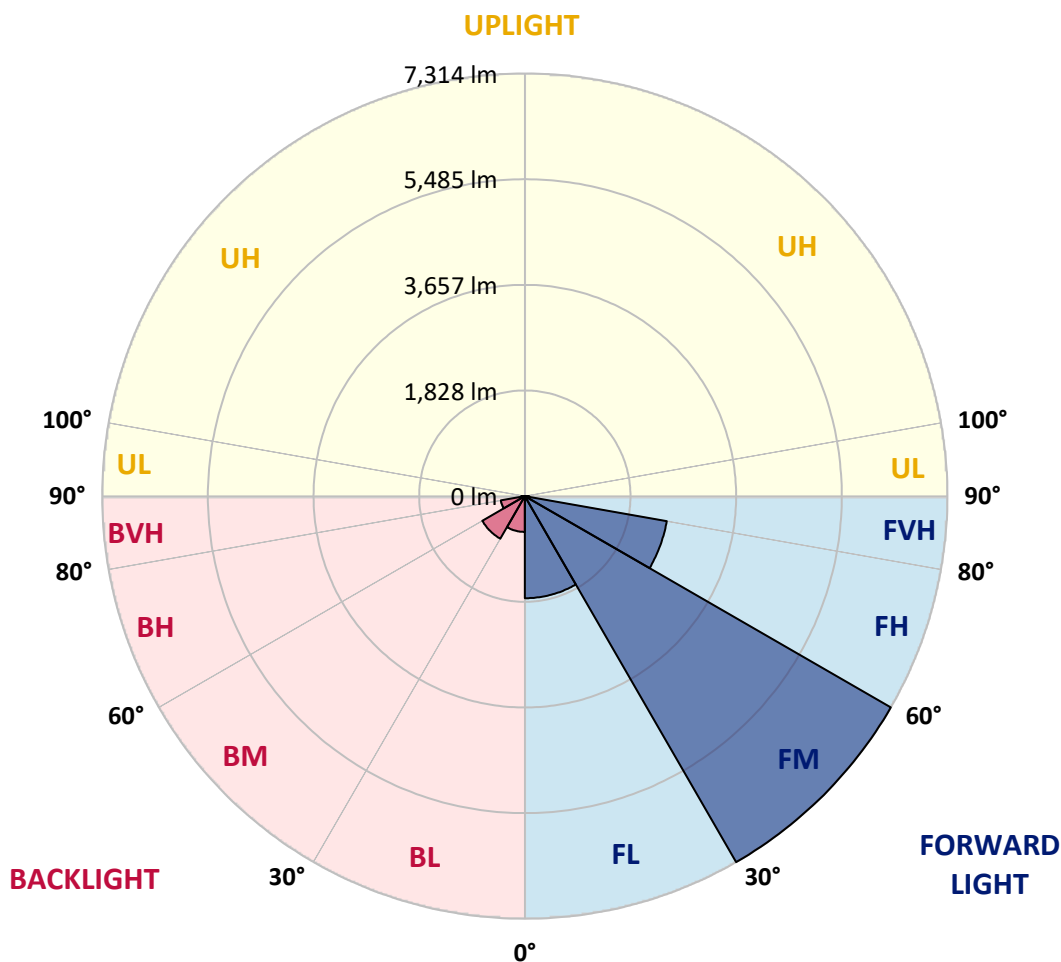
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1766.3	13.0			
FM (30°-60°)	7313.9	53.7			
FH (60°-80°)	2494.0	18.3			G2/5000
FVH (80°-90°)	78.5	0.6			G1/100
BL (0°-30°)	619.3	4.6	B2/1000		
BM (30°-60°)	850.3	6.2	B1/1000		
BH (60°-80°)	422.1	3.1	B1/500		G1/500
BVH (80°-90°)	64.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3018.2	3018.2	3018.2	3018.2	3018.2	3018.2	3018.2	3018.2	3018.2	3018.2	3018.2
2.5°	3512.4	3499.5	3499.5	3467.0	3418.7	3351.6	3271.7	3252.0	3221.4	3143.5	3042.9
5°	4047.9	4034.1	4015.4	3958.2	3868.4	3734.3	3565.6	3535.0	3425.6	3264.8	3083.3
7.5°	4402.0	4394.2	4388.2	4338.9	4250.1	4118.0	3892.1	3857.6	3672.1	3405.8	3121.8
10°	4365.5	4389.2	4430.6	4465.2	4482.9	4414.9	4202.8	4162.4	3932.5	3569.6	3179.0
12.5°	4023.3	4056.8	4133.8	4274.8	4437.5	4568.7	4448.4	4425.7	4210.7	3743.2	3251.0
15°	3768.8	3782.6	3820.1	3924.7	4167.3	4517.4	4638.8	4618.0	4470.1	3966.1	3333.8
17.5°	3689.9	3695.8	3704.7	3739.2	3904.9	4317.2	4716.7	4736.4	4721.6	4197.9	3427.5
20°	3729.4	3733.3	3734.3	3740.2	3819.1	4149.5	4696.0	4729.5	4942.6	4429.7	3520.3
22.5°	3881.3	3876.3	3869.4	3846.7	3891.1	4119.9	4640.7	4694.0	5113.2	4640.7	3606.1
25°	4146.6	4139.7	4091.3	4044.0	4062.7	4226.5	4611.1	4668.4	5246.3	4840.0	3669.2
27.5°	4462.2	4455.3	4406.0	4316.2	4296.5	4404.0	4680.2	4715.7	5344.0	5016.5	3696.8
30°	4789.7	4789.7	4728.5	4625.0	4561.8	4607.2	4807.4	4836.0	5418.0	5187.2	3714.6
32.5°	5146.7	5156.6	5061.9	4943.5	4873.5	4846.9	4986.0	5010.6	5525.5	5388.4	3752.0
35°	5605.4	5583.7	5468.3	5312.4	5200.0	5139.8	5206.9	5235.5	5683.3	5638.9	3812.2
37.5°	6121.2	6082.8	5940.7	5754.3	5558.0	5457.4	5501.8	5508.7	5917.1	5965.4	3921.7
40°	6547.3	6540.4	6420.1	6243.5	5996.0	5860.8	5839.1	5843.1	6241.6	6352.0	4087.4
42.5°	6906.4	6880.7	6859.0	6796.9	6534.5	6312.6	6223.8	6224.8	6593.7	6751.5	4254.1
45°	7065.2	7060.2	7124.3	7284.1	7095.7	6834.4	6708.1	6725.9	6997.1	7161.8	4414.9
47.5°	6997.1	7001.0	7172.7	7591.9	7703.3	7503.1	7279.2	7268.3	7387.7	7476.5	4556.9
50°	6389.5	6453.6	6918.2	7620.5	8101.8	8201.4	7948.9	7908.5	7730.0	7727.0	4643.7
52.5°	5930.9	5927.9	6213.0	7329.5	8242.9	8831.7	8604.8	8514.1	8013.0	7868.0	4650.6
55°	5311.4	5307.5	5519.6	6478.3	7962.7	9271.6	9223.3	9109.8	8272.4	7914.4	4603.3
57.5°	4022.3	4097.3	4308.3	5186.2	7075.0	9201.6	9814.1	9719.4	8525.9	7893.7	4594.4
60°	2188.7	2179.8	2485.6	3380.2	5417.0	8406.6	10071.5	10066.6	8795.2	7885.8	4648.6
62.5°	1009.0	999.2	1060.3	1505.2	3106.0	6734.7	9574.4	9645.4	9044.7	7813.8	4643.7
65°	754.6	728.9	646.1	700.3	1188.5	4020.3	8132.4	8321.8	8660.1	7517.9	4428.7
67.5°	672.7	648.0	551.4	516.8	596.7	1418.4	5899.3	6073.9	7241.7	6963.6	4080.5
70°	616.5	594.8	498.1	443.9	447.8	628.3	3088.2	3431.5	5307.5	5811.5	3477.8
72.5°	562.2	543.5	455.7	390.6	376.8	415.2	1052.4	1269.4	3301.3	4235.3	2593.1
75°	505.0	487.3	410.3	350.2	323.5	307.7	501.1	539.5	1745.8	2338.6	1391.7
77.5°	438.9	429.1	365.9	308.7	286.0	232.8	333.4	350.2	747.6	918.3	662.8
80°	381.7	373.8	326.5	280.1	256.4	179.5	229.8	241.7	368.9	458.6	370.9
82.5°	248.6	268.3	270.3	240.7	225.9	144.0	151.9	160.8	244.6	270.3	161.8
85°	102.6	124.3	186.4	165.7	156.8	122.3	100.6	102.6	149.9	157.8	58.2
87.5°	46.4	51.3	91.7	92.7	80.9	46.4	50.3	55.2	76.9	75.9	25.6
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°	3018.2	3018.2	3018.2	3018.2	3018.2	3018.2	3018.2	3018.2	3018.2	3018.2	3018.2
2.5°	3015.2	2969.9	2889.0	2785.4	2711.5	2657.2	2598.0	2554.6	2506.3	2463.9	2470.8
5°	3008.3	2920.6	2739.1	2546.7	2359.3	2205.5	2077.2	1982.5	1884.9	1846.4	1841.5
7.5°	3014.3	2865.3	2567.4	2252.8	1967.8	1771.5	1622.5	1532.8	1476.6	1444.0	1446.0
10°	3012.3	2813.0	2382.0	1948.0	1636.3	1456.8	1366.1	1336.5	1331.6	1335.5	1341.4
12.5°	3015.2	2742.0	2173.9	1673.8	1398.6	1306.9	1310.8	1337.5	1354.2	1365.1	1372.0
15°	3028.1	2683.8	1960.8	1457.8	1274.4	1277.3	1319.7	1361.2	1385.8	1397.6	1403.6
17.5°	3046.8	2610.8	1771.5	1294.1	1222.1	1267.4	1322.7	1367.1	1385.8	1392.7	1397.6
20°	3048.8	2527.0	1580.1	1181.6	1187.6	1246.7	1295.1	1330.6	1354.2	1362.1	1366.1
22.5°	3039.9	2413.6	1383.8	1099.8	1148.1	1207.3	1248.7	1289.1	1257.6	1231.9	1225.0
25°	3002.4	2270.6	1216.2	1032.7	1098.8	1154.0	1201.4	1157.0	1142.2	1122.5	1124.4
27.5°	2921.5	2092.0	1058.3	969.6	1040.6	1119.5	1085.0	1079.1	1060.3	1040.6	1040.6
30°	2815.0	1903.6	926.2	903.5	970.6	1010.0	1017.9	1009.0	998.2	972.5	974.5
32.5°	2719.3	1704.4	832.5	848.3	926.2	926.2	960.7	960.7	921.2	849.2	849.2
35°	2624.7	1517.0	763.4	801.9	853.2	870.0	917.3	855.2	798.9	766.4	764.4
37.5°	2550.7	1357.2	718.1	762.4	782.2	824.6	825.6	780.2	761.5	731.9	728.9
40°	2507.3	1223.1	690.4	742.7	744.7	784.1	719.0	731.9	727.9	705.2	702.3
42.5°	2483.6	1119.5	669.7	725.9	716.1	677.6	665.8	687.5	694.4	682.5	677.6
45°	2464.9	1038.6	653.0	667.8	693.4	623.4	618.4	635.2	650.0	649.0	645.1
47.5°	2455.0	982.4	638.2	631.3	636.2	590.8	581.0	588.8	607.6	619.4	618.4
50°	2416.5	939.0	616.5	593.8	562.2	562.2	557.3	557.3	580.0	603.6	605.6
52.5°	2348.5	887.7	584.9	558.3	521.8	537.6	539.5	535.6	559.3	584.9	586.9
55°	2273.5	849.2	542.5	525.7	488.2	514.9	523.7	519.8	535.6	553.3	552.4
57.5°	2274.5	848.3	506.0	493.2	456.7	486.3	508.0	509.0	508.0	520.8	520.8
60°	2331.7	868.0	477.4	449.8	420.2	455.7	491.2	491.2	484.3	503.0	505.0
62.5°	2348.5	866.0	459.6	408.3	387.6	428.1	466.5	472.5	467.5	494.2	497.1
65°	2200.5	819.6	441.9	370.9	358.0	397.5	436.0	452.7	447.8	482.3	486.3
67.5°	1995.4	759.5	414.3	337.3	327.5	367.9	404.4	422.2	421.2	466.5	468.5
70°	1720.2	685.5	379.7	302.8	297.9	333.4	365.9	384.7	393.6	445.8	444.8
72.5°	1332.5	587.9	327.5	266.3	265.3	297.9	326.5	347.2	364.0	414.3	414.3
75°	859.1	462.6	267.3	230.8	226.9	257.4	287.0	310.7	362.0	441.9	440.9
77.5°	524.7	353.1	215.0	192.3	191.4	219.0	248.6	289.0	395.5	393.6	382.7
80°	314.6	253.5	171.6	153.9	153.9	179.5	212.1	309.7	328.5	374.8	354.1
82.5°	163.7	155.8	128.2	113.4	118.4	141.0	193.3	247.6	268.3	227.8	209.1
85°	67.1	82.9	78.9	72.0	75.0	97.6	186.4	198.3	158.8	166.7	167.7
87.5°	22.7	36.5	36.5	28.6	31.6	69.0	110.5	66.1	79.9	47.3	35.5
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)