

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: P671976

Luminaire Tested: **CCP-SA-2E-740-U-AFL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671976
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-740-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ AFL distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

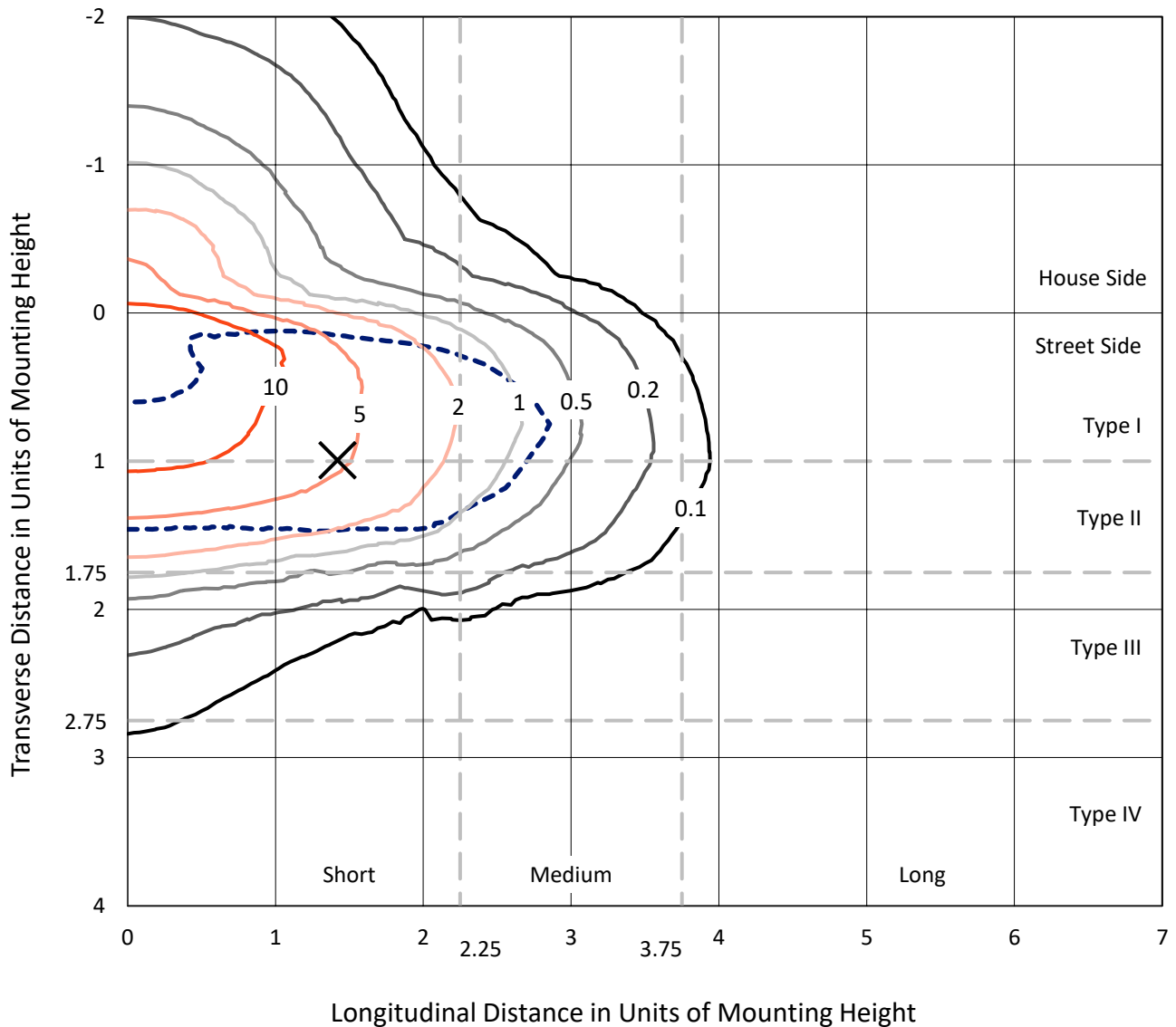
Lumens per Lamp: N/A
Luminaire Lumens: 13798.1 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

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

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Iso-Footcandle Lines of Horizontal Illumination

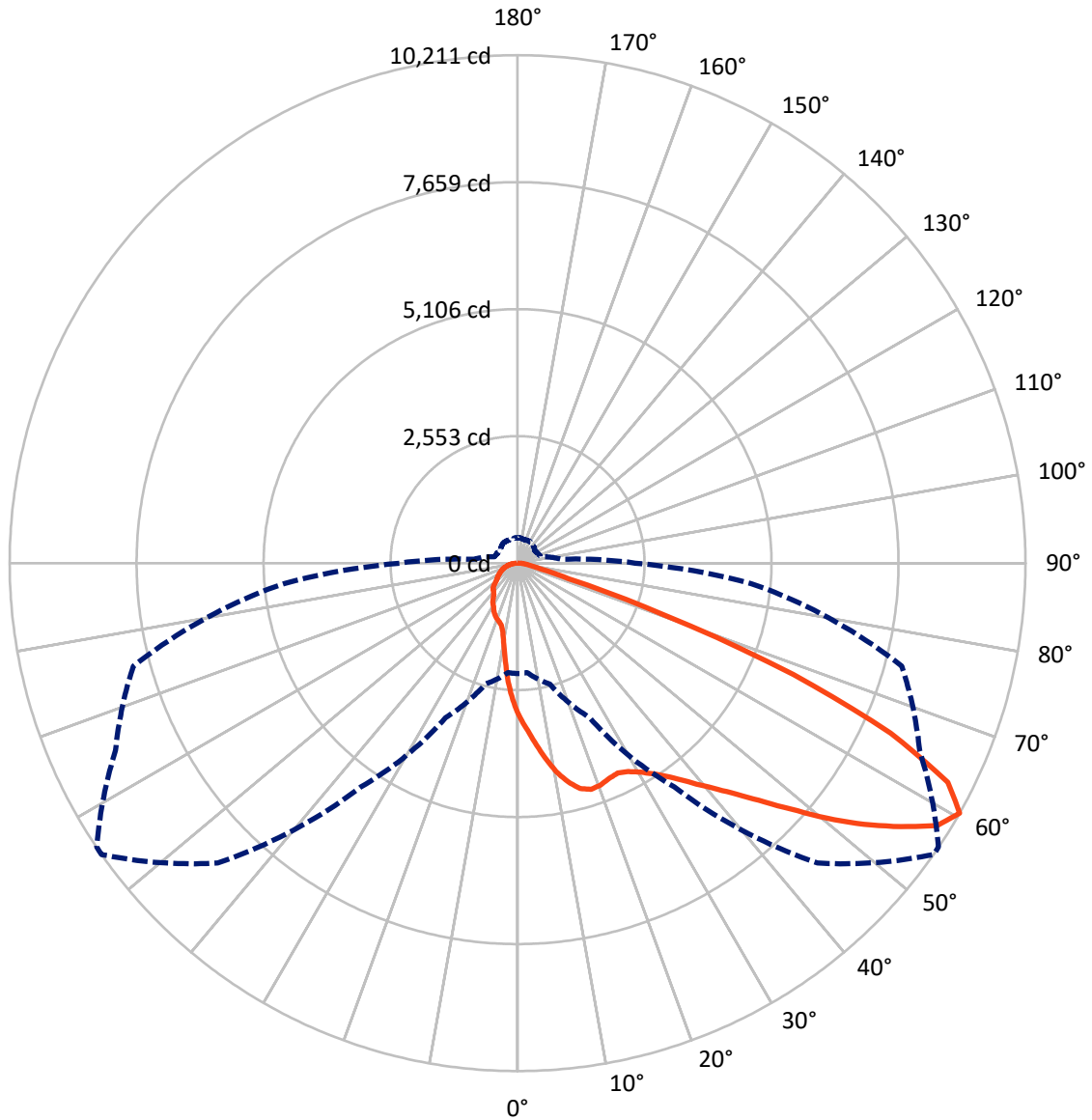
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 19.1 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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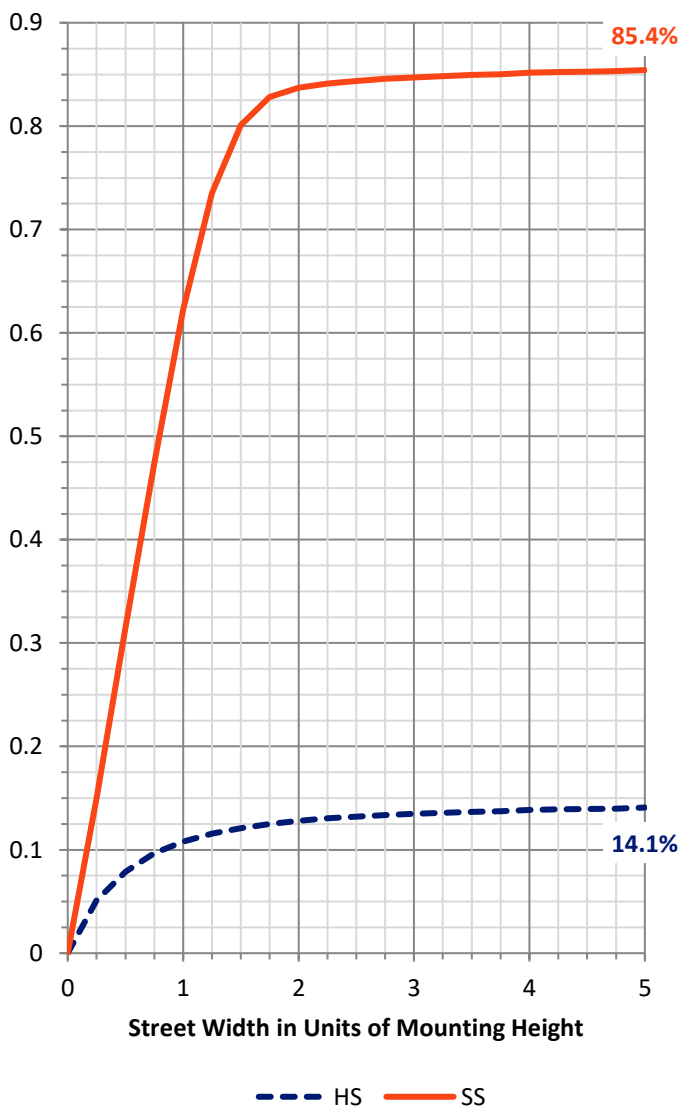
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1983.5	0.0	1983.5
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	11814.6	0.0	11814.6
	% Fixture	85.6	0.0	85.6
Total	Lumens	13798.1	0.0	13798.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.4	2.1
10°-20°	811.3	5.9
20°-30°	1321.0	9.6
30°-40°	1974.4	14.3
40°-50°	2901.9	21.0
50°-60°	3401.2	24.6
60°-70°	2242.6	16.3
70°-80°	714.1	5.2
80°-90°	145.2	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°	13798.1	100.0
0°-180°	13798.1	100.0



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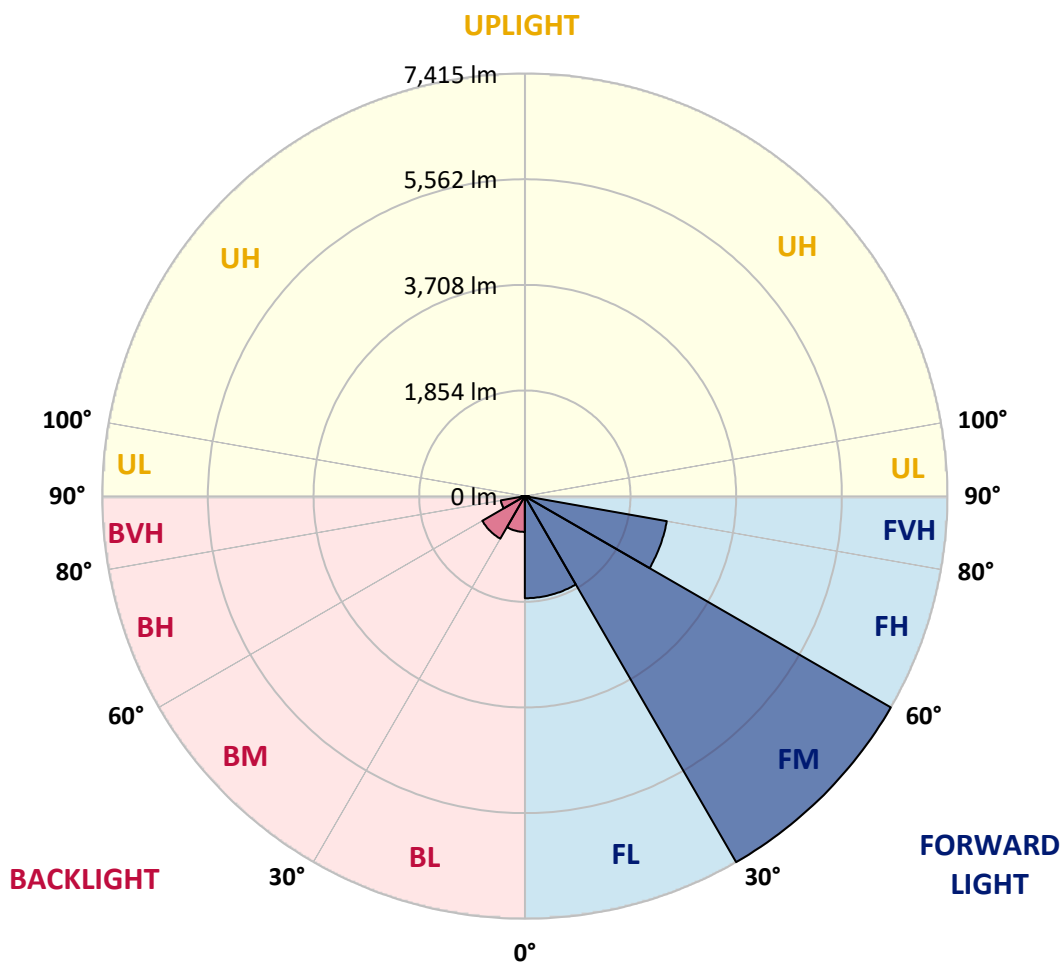
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1790.9	13.0			
FM (30°-60°)	7415.5	53.7			
FH (60°-80°)	2528.7	18.3			G2/5000
FVH (80°-90°)	79.6	0.6			G1/100
BL (0°-30°)	627.9	4.6	B2/1000		
BM (30°-60°)	862.1	6.2	B1/1000		
BH (60°-80°)	428.0	3.1	B1/500		G1/500
BVH (80°-90°)	65.6	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°	3060.1	3060.1	3060.1	3060.1	3060.1	3060.1	3060.1	3060.1	3060.1	3060.1	3060.1
2.5°	3561.1	3548.1	3548.1	3515.1	3466.1	3398.1	3317.1	3297.1	3266.1	3187.1	3085.1
5°	4104.2	4090.2	4071.2	4013.2	3922.2	3786.2	3615.2	3584.1	3473.1	3310.1	3126.1
7.5°	4463.2	4455.2	4449.2	4399.2	4309.2	4175.2	3946.2	3911.2	3723.2	3453.1	3165.1
10°	4426.2	4450.2	4492.2	4527.2	4545.2	4476.2	4261.2	4220.2	3987.2	3619.2	3223.1
12.5°	4079.2	4113.2	4191.2	4334.2	4499.2	4632.2	4510.2	4487.2	4269.2	3795.2	3296.1
15°	3821.2	3835.2	3873.2	3979.2	4225.2	4580.2	4703.2	4682.2	4532.2	4021.2	3380.1
17.5°	3741.2	3747.2	3756.2	3791.2	3959.2	4377.2	4782.2	4802.2	4787.2	4256.2	3475.1
20°	3781.2	3785.2	3786.2	3792.2	3872.2	4207.2	4761.2	4795.2	5011.2	4491.2	3569.1
22.5°	3935.2	3930.2	3923.2	3900.2	3945.2	4177.2	4705.2	4759.2	5184.2	4705.2	3656.2
25°	4204.2	4197.2	4148.2	4100.2	4119.2	4285.2	4675.2	4733.2	5319.2	4907.2	3720.2
27.5°	4524.2	4517.2	4467.2	4376.2	4356.2	4465.2	4745.2	4781.2	5418.2	5086.2	3748.2
30°	4856.2	4856.2	4794.2	4689.2	4625.2	4671.2	4874.2	4903.2	5493.2	5259.2	3766.2
32.5°	5218.2	5228.2	5132.2	5012.2	4941.2	4914.2	5055.2	5080.2	5602.2	5463.2	3804.2
35°	5683.2	5661.2	5544.2	5386.2	5272.2	5211.2	5279.2	5308.2	5762.2	5717.2	3865.2
37.5°	6206.3	6167.3	6023.3	5834.2	5635.2	5533.2	5578.2	5585.2	5999.3	6048.3	3976.2
40°	6638.3	6631.3	6509.3	6330.3	6079.3	5942.2	5920.2	5924.2	6328.3	6440.3	4144.2
42.5°	7002.3	6976.3	6954.3	6891.3	6625.3	6400.3	6310.3	6311.3	6685.3	6845.3	4313.2
45°	7163.3	7158.3	7223.3	7385.3	7194.3	6929.3	6801.3	6819.3	7094.3	7261.3	4476.2
47.5°	7094.3	7098.3	7272.3	7697.3	7810.3	7607.3	7380.3	7369.3	7490.3	7580.3	4620.2
50°	6478.3	6543.3	7014.3	7726.3	8214.3	8315.3	8059.3	8018.3	7837.3	7834.3	4708.2
52.5°	6013.3	6010.3	6299.3	7431.3	8357.3	8954.4	8724.4	8632.4	8124.3	7977.3	4715.2
55°	5385.2	5381.2	5596.2	6568.3	8073.3	9400.4	9351.4	9236.4	8387.4	8024.3	4667.2
57.5°	4078.2	4154.2	4368.2	5258.2	7173.3	9329.4	9950.4	9854.4	8644.4	8003.3	4658.2
60°	2219.1	2210.1	2520.1	3427.1	5492.2	8523.4	10211.4	10206.4	8917.4	7995.3	4713.2
62.5°	1023.0	1013.0	1075.0	1526.1	3149.1	6828.3	9707.4	9779.4	9170.4	7922.3	4708.2
65°	765.0	739.0	655.0	710.0	1205.1	4076.2	8245.3	8437.4	8780.4	7622.3	4490.2
67.5°	682.0	657.0	559.0	524.0	605.0	1438.1	5981.2	6158.3	7342.3	7060.3	4137.2
70°	625.0	603.0	505.0	450.0	454.0	637.0	3131.1	3479.1	5381.2	5892.2	3526.1
72.5°	570.0	551.0	462.0	396.0	382.0	421.0	1067.0	1287.1	3347.1	4294.2	2629.1
75°	512.0	494.0	416.0	355.0	328.0	312.0	508.0	547.0	1770.1	2371.1	1411.1
77.5°	445.0	435.0	371.0	313.0	290.0	236.0	338.0	355.0	758.0	931.0	672.0
80°	387.0	379.0	331.0	284.0	260.0	182.0	233.0	245.0	374.0	465.0	376.0
82.5°	252.0	272.0	274.0	244.0	229.0	146.0	154.0	163.0	248.0	274.0	164.0
85°	104.0	126.0	189.0	168.0	159.0	124.0	102.0	104.0	152.0	160.0	59.0
87.5°	47.0	52.0	93.0	94.0	82.0	47.0	51.0	56.0	78.0	77.0	26.0
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°	3060.1	3060.1	3060.1	3060.1	3060.1	3060.1	3060.1	3060.1	3060.1	3060.1	3060.1
2.5°	3057.1	3011.1	2929.1	2824.1	2749.1	2694.1	2634.1	2590.1	2541.1	2498.1	2505.1
5°	3050.1	2961.1	2777.1	2582.1	2392.1	2236.1	2106.1	2010.1	1911.1	1872.1	1867.1
7.5°	3056.1	2905.1	2603.1	2284.1	1995.1	1796.1	1645.1	1554.1	1497.1	1464.1	1466.1
10°	3054.1	2852.1	2415.1	1975.1	1659.1	1477.1	1385.1	1355.1	1350.1	1354.1	1360.1
12.5°	3057.1	2780.1	2204.1	1697.1	1418.1	1325.1	1329.1	1356.1	1373.1	1384.1	1391.1
15°	3070.1	2721.1	1988.1	1478.1	1292.1	1295.1	1338.1	1380.1	1405.1	1417.1	1423.1
17.5°	3089.1	2647.1	1796.1	1312.1	1239.1	1285.1	1341.1	1386.1	1405.1	1412.1	1417.1
20°	3091.1	2562.1	1602.1	1198.1	1204.1	1264.1	1313.1	1349.1	1373.1	1381.1	1385.1
22.5°	3082.1	2447.1	1403.1	1115.0	1164.0	1224.1	1266.1	1307.1	1275.1	1249.1	1242.1
25°	3044.1	2302.1	1233.1	1047.0	1114.0	1170.0	1218.1	1173.0	1158.0	1138.0	1140.0
27.5°	2962.1	2121.1	1073.0	983.0	1055.0	1135.0	1100.0	1094.0	1075.0	1055.0	1055.0
30°	2854.1	1930.1	939.0	916.0	984.0	1024.0	1032.0	1023.0	1012.0	986.0	988.0
32.5°	2757.1	1728.1	844.0	860.0	939.0	939.0	974.0	974.0	934.0	861.0	861.0
35°	2661.1	1538.1	774.0	813.0	865.0	882.0	930.0	867.0	810.0	777.0	775.0
37.5°	2586.1	1376.1	728.0	773.0	793.0	836.0	837.0	791.0	772.0	742.0	739.0
40°	2542.1	1240.1	700.0	753.0	755.0	795.0	729.0	742.0	738.0	715.0	712.0
42.5°	2518.1	1135.0	679.0	736.0	726.0	687.0	675.0	697.0	704.0	692.0	687.0
45°	2499.1	1053.0	662.0	677.0	703.0	632.0	627.0	644.0	659.0	658.0	654.0
47.5°	2489.1	996.0	647.0	640.0	645.0	599.0	589.0	597.0	616.0	628.0	627.0
50°	2450.1	952.0	625.0	602.0	570.0	570.0	565.0	565.0	588.0	612.0	614.0
52.5°	2381.1	900.0	593.0	566.0	529.0	545.0	547.0	543.0	567.0	593.0	595.0
55°	2305.1	861.0	550.0	533.0	495.0	522.0	531.0	527.0	543.0	561.0	560.0
57.5°	2306.1	860.0	513.0	500.0	463.0	493.0	515.0	516.0	515.0	528.0	528.0
60°	2364.1	880.0	484.0	456.0	426.0	462.0	498.0	498.0	491.0	510.0	512.0
62.5°	2381.1	878.0	466.0	414.0	393.0	434.0	473.0	479.0	474.0	501.0	504.0
65°	2231.1	831.0	448.0	376.0	363.0	403.0	442.0	459.0	454.0	489.0	493.0
67.5°	2023.1	770.0	420.0	342.0	332.0	373.0	410.0	428.0	427.0	473.0	475.0
70°	1744.1	695.0	385.0	307.0	302.0	338.0	371.0	390.0	399.0	452.0	451.0
72.5°	1351.1	596.0	332.0	270.0	269.0	302.0	331.0	352.0	369.0	420.0	420.0
75°	871.0	469.0	271.0	234.0	230.0	261.0	291.0	315.0	367.0	448.0	447.0
77.5°	532.0	358.0	218.0	195.0	194.0	222.0	252.0	293.0	401.0	399.0	388.0
80°	319.0	257.0	174.0	156.0	156.0	182.0	215.0	314.0	333.0	380.0	359.0
82.5°	166.0	158.0	130.0	115.0	120.0	143.0	196.0	251.0	272.0	231.0	212.0
85°	68.0	84.0	80.0	73.0	76.0	99.0	189.0	201.0	161.0	169.0	170.0
87.5°	23.0	37.0	37.0	29.0	32.0	70.0	112.0	67.0	81.0	48.0	36.0
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)