

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: P672184

Luminaire Tested: **CCP-SA-2C-840-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672184
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-840-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T2R distribution lens
Light Source: (32) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

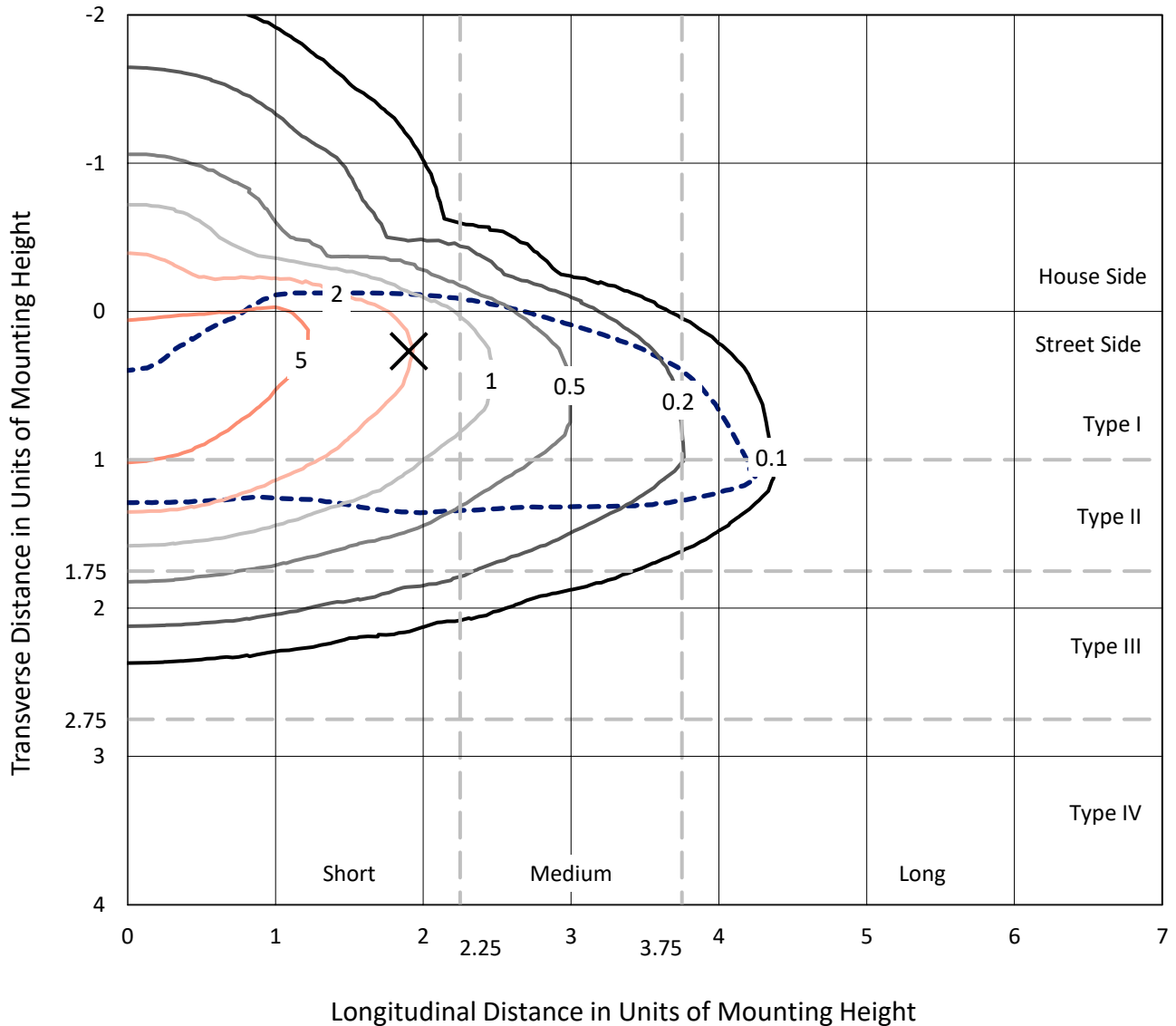
Lumens per Lamp: N/A
Luminaire Lumens: 7830.3 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 62.1
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

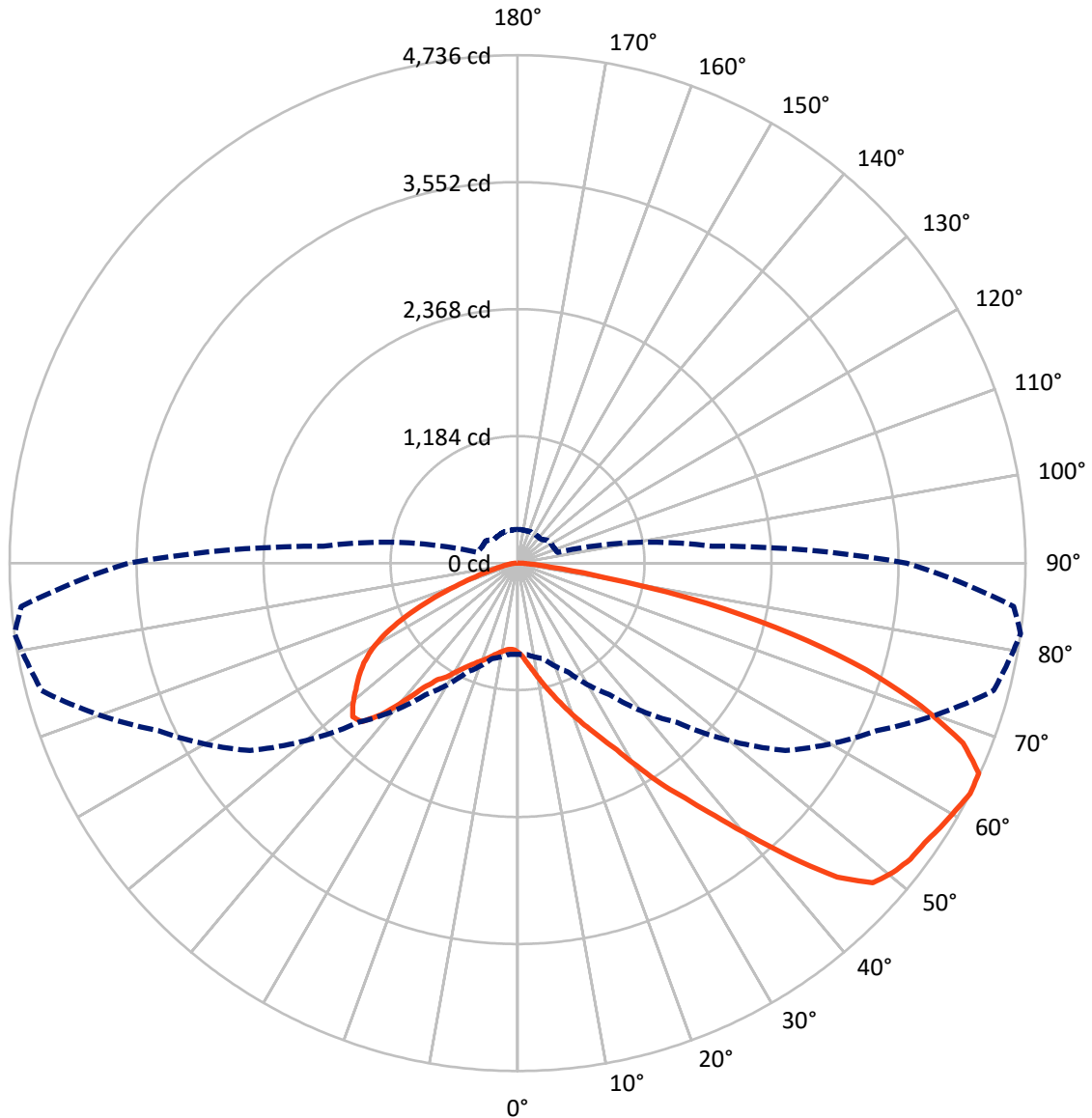
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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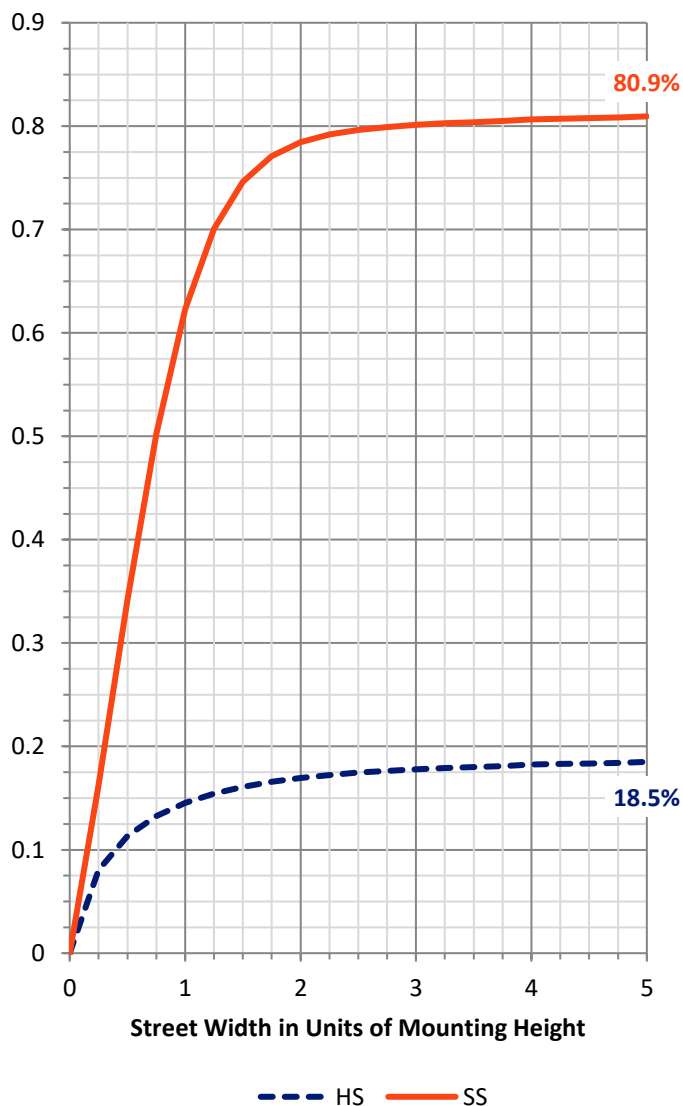
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1475.2	0.0	1475.2
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	6355.1	0.0	6355.1
	% Fixture	81.2	0.0	81.2
Total	Lumens	7830.3	0.0	7830.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.1	1.2
10°-20°	347.6	4.4
20°-30°	719.8	9.2
30°-40°	1221.6	15.6
40°-50°	1663.6	21.2
50°-60°	1683.9	21.5
60°-70°	1327.1	16.9
70°-80°	653.7	8.3
80°-90°	120.9	1.5
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°	7830.3	100.0
0°-180°	7830.3	100.0



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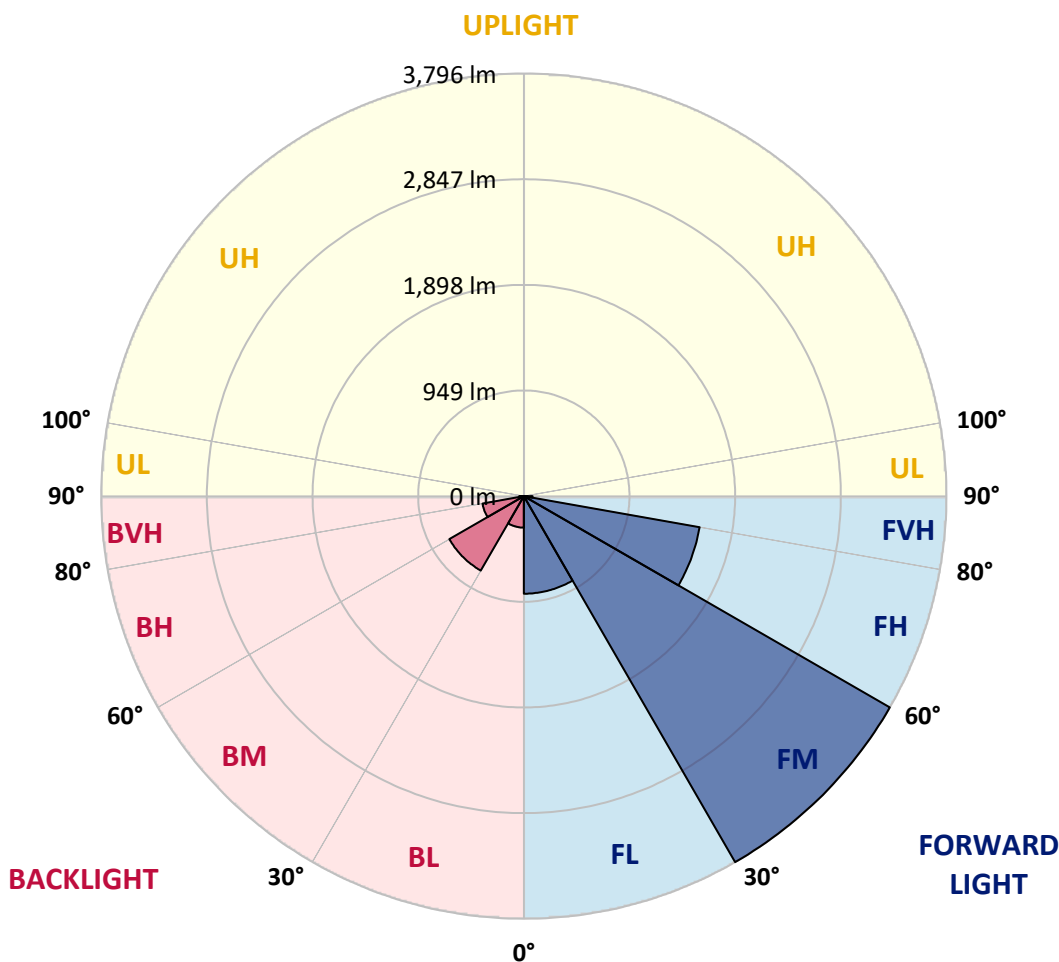
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	876.4	11.2			
FM (30°-60°)	3796.4	48.5			
FH (60°-80°)	1603.8	20.5			G1/1800
FVH (80°-90°)	78.6	1.0			G1/100
BL (0°-30°)	283.1	3.6	B1/500		
BM (30°-60°)	772.7	9.9	B1/1000		
BH (60°-80°)	377.1	4.8	B1/500		G1/500
BVH (80°-90°)	42.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	832.7	832.7	832.7	832.7	832.7	832.7	832.7	832.7	832.7	832.7	832.7
2.5°	1109.0	1092.0	1083.0	1072.9	1044.7	1026.6	992.8	953.3	907.7	868.8	861.5
5°	1342.9	1326.0	1328.3	1303.5	1262.3	1224.0	1160.8	1086.4	999.6	933.1	909.9
7.5°	1508.1	1489.5	1494.0	1483.9	1450.6	1408.3	1328.3	1232.4	1105.6	1006.9	969.7
10°	1618.6	1620.9	1624.2	1620.3	1598.9	1569.0	1489.5	1383.5	1225.7	1094.3	1043.6
12.5°	1743.8	1750.0	1748.8	1750.5	1739.3	1715.6	1637.8	1538.0	1353.6	1188.4	1122.5
15°	1903.3	1897.1	1902.2	1909.5	1897.1	1871.2	1802.4	1684.0	1487.8	1293.3	1211.6
17.5°	2078.1	2065.1	2078.7	2071.3	2062.3	2045.4	1969.8	1843.6	1626.5	1406.6	1310.8
20°	2229.2	2220.7	2228.1	2229.2	2230.9	2227.5	2149.7	2015.5	1772.0	1530.1	1417.9
22.5°	2398.9	2394.9	2393.8	2394.4	2396.1	2400.0	2347.0	2203.8	1933.2	1659.8	1533.5
25°	2636.2	2632.3	2606.3	2577.6	2560.7	2573.1	2545.5	2417.5	2111.4	1805.2	1660.3
27.5°	2902.3	2896.1	2861.7	2789.0	2734.9	2743.9	2741.1	2653.1	2316.6	1972.1	1812.5
30°	3178.6	3163.4	3116.0	3014.0	2928.8	2913.0	2920.9	2891.6	2574.8	2193.7	2024.5
32.5°	3425.0	3396.8	3334.2	3231.0	3129.5	3083.9	3085.0	3098.0	2855.5	2451.9	2246.7
35°	3575.5	3556.9	3510.1	3405.8	3292.5	3262.0	3253.6	3318.4	3113.2	2690.9	2445.7
37.5°	3656.7	3638.6	3588.4	3504.4	3418.8	3406.3	3422.1	3522.5	3405.8	2989.2	2716.3
40°	3642.0	3622.8	3590.1	3531.5	3475.1	3484.7	3554.6	3709.7	3725.4	3346.0	3101.9
42.5°	3521.4	3501.1	3498.2	3494.3	3467.8	3510.1	3636.4	3846.7	4019.2	3758.1	3568.7
45°	3308.3	3295.8	3310.5	3378.2	3411.4	3493.2	3674.7	3913.2	4277.4	4177.0	4010.2
47.5°	3038.2	3030.9	3064.1	3171.3	3278.9	3441.3	3700.1	3931.2	4455.0	4455.0	4299.4
50°	2736.0	2733.2	2777.2	2932.8	3101.3	3346.0	3697.3	3948.1	4532.8	4536.7	4401.4
52.5°	2314.3	2329.0	2446.2	2651.5	2880.3	3196.6	3657.8	3995.5	4576.8	4585.8	4469.6
55°	1828.3	1842.4	2019.5	2295.7	2588.9	3015.1	3540.0	3981.4	4585.2	4605.5	4508.5
57.5°	1459.6	1462.4	1572.9	1901.1	2264.1	2782.8	3404.1	3887.8	4560.4	4648.9	4568.3
60°	1142.2	1151.2	1225.1	1485.0	1887.5	2483.4	3252.4	3795.4	4574.5	4690.1	4622.4
62.5°	850.7	853.0	921.8	1123.0	1499.7	2101.8	3046.7	3696.7	4594.2	4736.3	4644.4
65°	554.2	553.6	620.2	801.7	1120.2	1689.6	2723.6	3542.2	4595.9	4726.2	4543.5
67.5°	352.4	354.6	383.4	497.8	749.8	1275.3	2283.9	3255.3	4515.9	4480.3	4175.9
70°	285.8	286.4	295.4	325.3	456.7	871.6	1716.7	2806.5	4262.7	3990.4	3629.6
72.5°	254.8	255.4	259.9	263.3	304.4	523.8	1126.4	2278.8	3812.8	3401.3	3011.1
75°	228.9	228.9	231.7	228.3	249.8	328.7	639.3	1713.3	3140.2	2648.6	2274.8
77.5°	200.7	200.1	200.1	198.5	215.9	240.2	320.2	1195.8	2261.9	1806.3	1475.4
80°	170.3	169.1	170.8	169.7	186.6	182.1	186.6	738.0	1226.2	828.2	628.0
82.5°	132.5	132.5	137.6	138.7	153.9	131.9	131.4	350.1	465.7	309.5	231.7
85°	69.3	77.8	104.9	109.4	116.1	82.9	96.4	163.5	186.6	118.4	84.6
87.5°	20.9	22.0	64.3	72.2	71.6	41.7	59.2	78.9	87.4	52.4	34.4
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°	832.7	832.7	832.7	832.7	832.7	832.7	832.7	832.7	832.7	832.7	832.7
2.5°	842.8	823.1	781.4	744.2	716.0	688.9	670.3	660.7	648.3	650.0	646.1
5°	868.8	828.2	754.3	694.6	654.5	624.1	605.5	595.9	586.9	582.4	585.8
7.5°	907.7	844.5	741.4	669.2	627.5	601.6	591.4	588.6	586.3	584.6	587.5
10°	957.9	873.3	739.1	660.2	621.8	606.1	602.1	600.4	598.2	595.9	597.6
12.5°	1009.2	904.9	747.0	662.4	630.9	619.0	614.0	611.7	606.1	603.2	603.8
15°	1073.4	943.2	757.7	671.5	642.7	627.5	620.7	614.5	605.5	601.6	603.2
17.5°	1142.2	988.9	772.4	679.9	647.2	628.6	615.1	606.1	597.0	591.4	592.0
20°	1220.0	1034.0	785.3	682.7	645.0	619.0	602.7	592.0	580.1	573.9	572.2
22.5°	1300.6	1081.3	795.5	680.5	632.6	602.7	584.1	571.1	557.0	547.4	548.0
25°	1398.7	1145.6	803.9	672.6	616.2	581.3	560.4	544.0	529.4	520.4	520.9
27.5°	1516.6	1218.3	814.1	660.2	596.5	558.1	533.9	517.5	503.5	495.0	493.9
30°	1673.9	1313.0	825.4	645.0	571.7	532.8	509.1	492.2	478.6	470.8	470.8
32.5°	1850.9	1428.6	833.3	626.9	544.0	505.7	484.3	470.8	460.6	449.9	448.8
35°	2004.8	1518.3	857.5	612.8	519.8	480.3	465.7	456.1	440.9	430.7	429.0
37.5°	2230.9	1676.1	929.1	608.9	490.5	460.6	457.8	439.7	422.3	403.1	401.4
40°	2595.1	1949.5	1012.5	589.7	460.0	449.9	447.1	422.8	381.7	369.8	367.6
42.5°	3058.5	2278.8	1021.6	533.9	438.6	440.9	432.4	385.1	367.0	358.0	355.7
45°	3476.8	2546.0	970.3	477.0	422.8	427.3	409.9	371.0	360.8	352.4	350.1
47.5°	3711.9	2628.3	873.3	434.1	411.0	415.5	373.8	364.2	354.1	345.6	343.3
50°	3777.9	2556.7	760.5	409.3	402.0	403.7	364.2	358.6	349.5	342.8	339.4
52.5°	3790.8	2449.6	656.2	394.6	395.2	380.0	355.7	351.2	345.6	334.9	330.9
55°	3796.5	2353.2	562.7	385.6	390.7	349.5	346.7	343.3	338.8	327.6	325.3
57.5°	3811.1	2229.7	489.4	378.9	385.1	335.4	336.6	334.3	328.7	323.6	322.5
60°	3769.4	2058.9	433.0	372.1	377.2	323.6	324.7	325.9	320.8	319.7	319.1
62.5°	3629.6	1816.5	385.1	363.1	360.8	311.8	311.8	316.3	311.8	313.5	313.5
65°	3341.5	1507.5	342.2	346.2	335.4	298.8	298.2	306.1	299.4	306.7	307.3
67.5°	2850.5	1141.1	298.2	319.7	309.0	285.3	287.5	293.7	284.7	299.9	299.9
70°	2256.2	776.3	252.6	282.5	281.9	270.0	277.4	276.8	266.7	289.2	285.3
72.5°	1680.6	498.4	205.8	236.8	246.4	253.7	267.2	255.4	245.8	258.8	246.9
75°	1174.4	312.3	162.4	187.2	205.2	235.7	254.8	231.1	217.1	213.1	209.7
77.5°	703.0	199.6	128.0	142.6	160.1	214.2	239.0	205.8	184.4	182.1	175.3
80°	324.2	130.2	97.5	106.6	113.9	183.8	217.6	175.9	150.0	147.7	139.8
82.5°	146.6	85.7	72.7	76.1	76.7	146.0	183.8	139.3	114.4	185.5	160.7
85°	68.2	55.3	47.4	45.1	45.7	97.5	133.6	95.8	130.2	101.5	77.2
87.5°	29.3	28.2	24.2	19.2	17.5	20.9	51.3	40.0	56.9	22.6	15.2
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)