

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: P671161

Luminaire Tested: **CCP-SA-1E-835-U-T4W**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671161
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-835-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T4W
distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5683.4 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

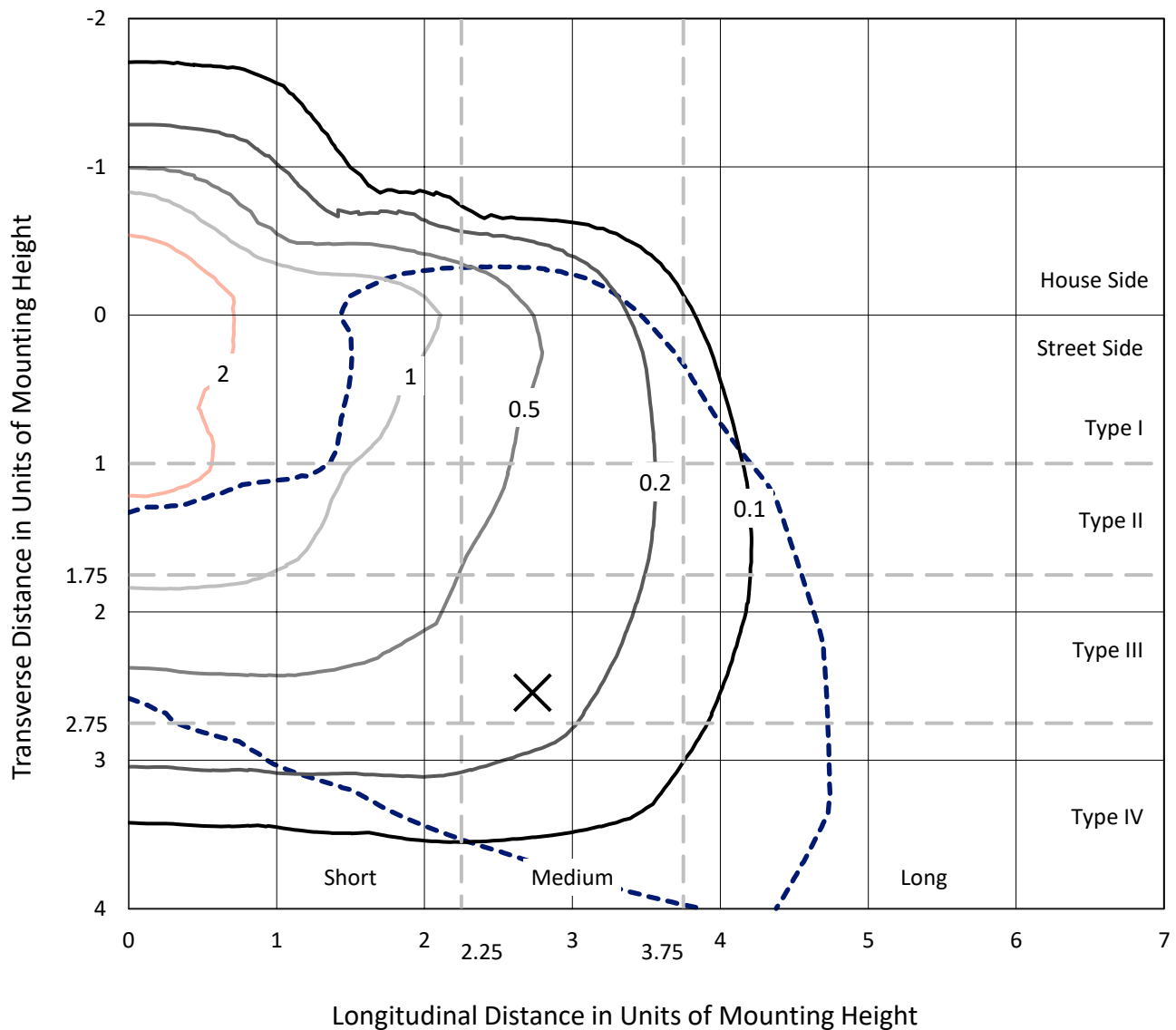
Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

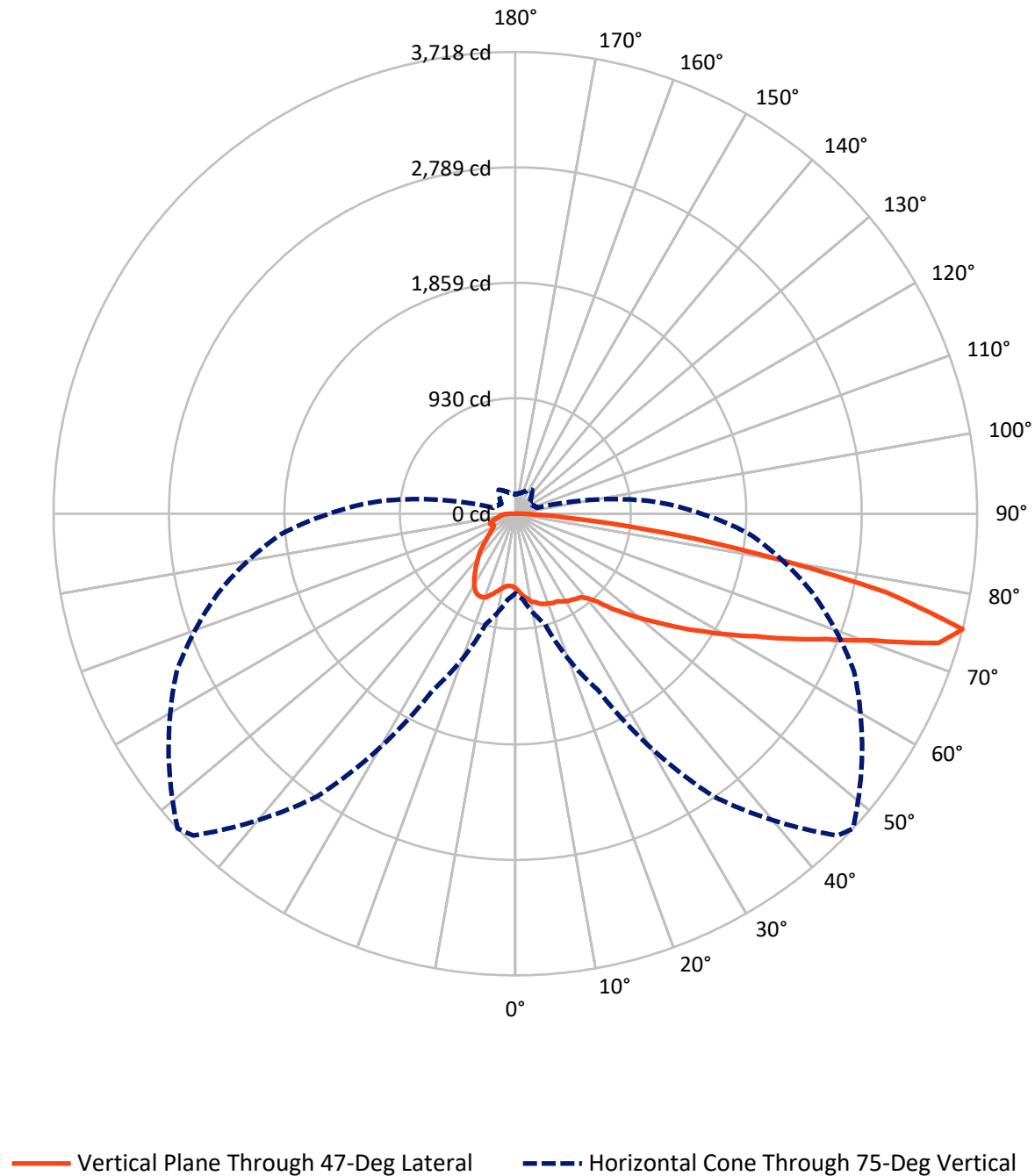
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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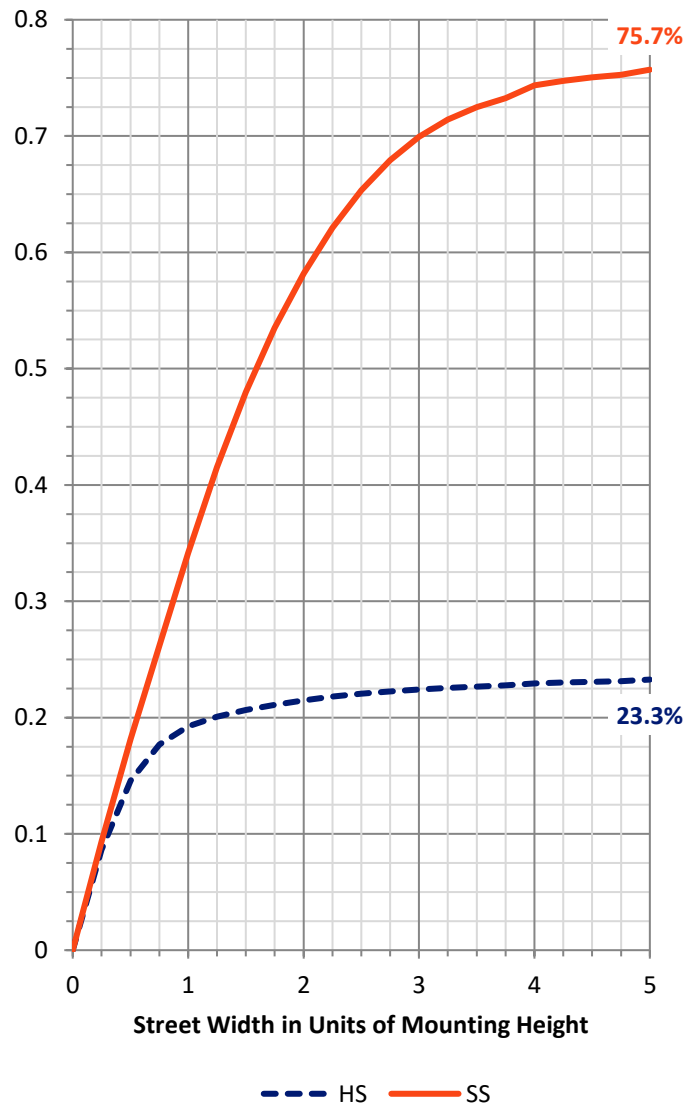
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1359.2	0.0	1359.2
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4324.2	0.0	4324.2
	% Fixture	76.1	0.0	76.1
Total	Lumens	5683.4	0.0	5683.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.0	1.1
10°-20°	202.6	3.6
20°-30°	347.0	6.1
30°-40°	485.5	8.5
40°-50°	677.0	11.9
50°-60°	1011.9	17.8
60°-70°	1458.9	25.7
70°-80°	1241.8	21.8
80°-90°	197.8	3.5
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°	5683.4	100.0
0°-180°	5683.4	100.0

Coefficient of Utilization



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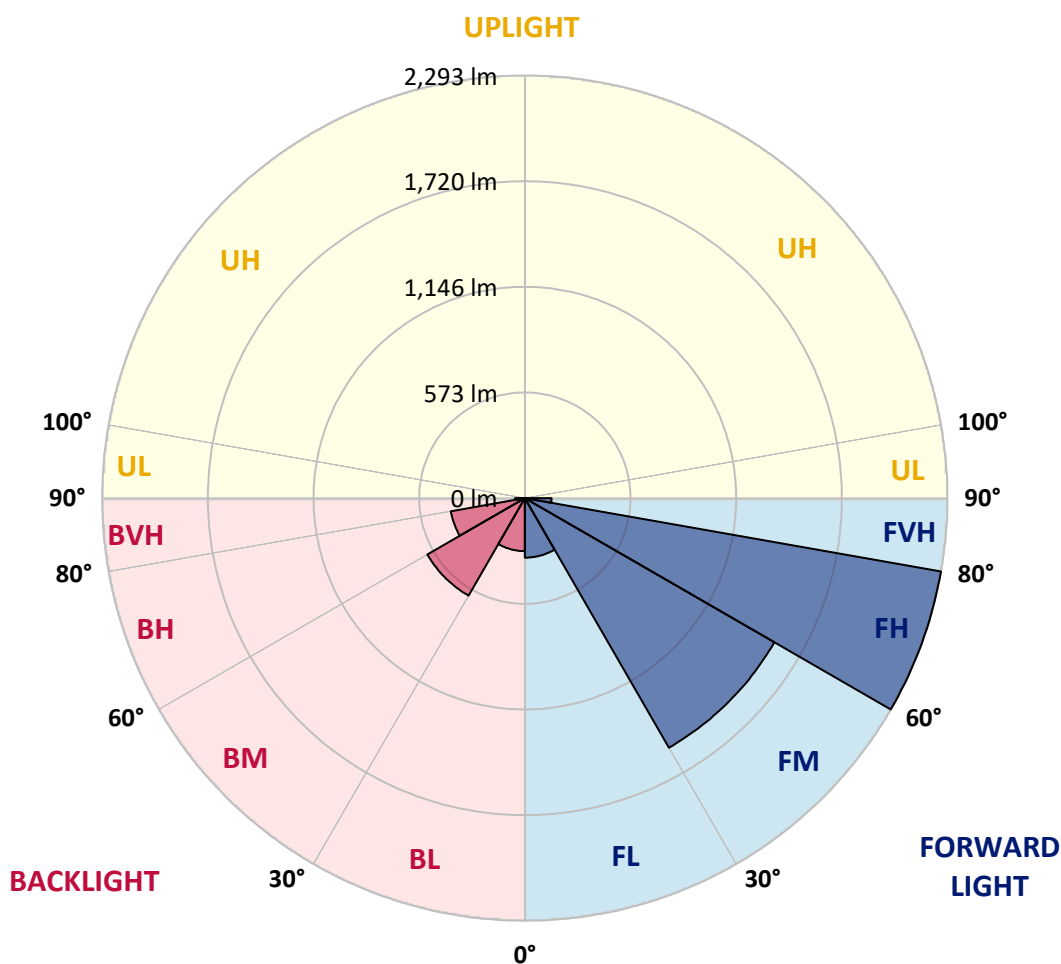
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	322.9	5.7			
FM	(30°-60°)	1563.5	27.5			
FH	(60°-80°)	2292.9	40.3			G2/5000
FVH	(80°-90°)	144.9	2.6			G2/225
BL	(0°-30°)	287.7	5.1	B1/500		
BM	(30°-60°)	610.9	10.7	B1/1000		
BH	(60°-80°)	407.7	7.2	B1/500		G1/500
BVH	(80°-90°)	52.9	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	603.5	603.5	603.5	603.5	603.5	603.5	603.5	603.5	603.5	603.5	603.5
2.5°	647.0	649.1	649.1	644.9	640.8	632.5	632.5	624.2	620.0	609.7	605.5
5°	707.1	700.9	694.7	692.6	682.3	667.7	665.7	657.4	634.6	624.2	609.7
7.5°	750.7	748.6	746.5	738.3	719.6	696.8	690.6	678.1	655.3	634.6	618.0
10°	785.9	794.2	785.9	767.3	748.6	723.7	721.7	698.9	678.1	653.2	632.5
12.5°	825.4	827.4	812.9	790.1	761.1	740.3	732.0	723.7	700.9	680.2	649.1
15°	852.3	848.2	837.8	806.7	773.5	752.8	754.8	744.5	719.6	705.1	671.9
17.5°	852.3	852.3	835.7	812.9	783.9	765.2	765.2	759.0	742.4	721.7	698.9
20°	835.7	835.7	825.4	812.9	779.7	775.6	771.4	767.3	767.3	748.6	715.4
22.5°	815.0	810.8	815.0	794.2	771.4	775.6	781.8	779.7	773.5	756.9	734.1
25°	794.2	796.3	800.5	785.9	765.2	783.9	781.8	792.2	788.0	775.6	756.9
27.5°	792.2	796.3	798.4	783.9	775.6	792.2	800.5	810.8	812.9	800.5	777.7
30°	823.3	821.2	819.1	800.5	794.2	808.8	817.1	831.6	844.0	817.1	798.4
32.5°	904.2	891.7	879.3	829.5	810.8	821.2	829.5	850.2	852.3	837.8	810.8
35°	1032.7	1024.4	983.0	895.9	844.0	833.6	841.9	856.5	860.6	850.2	829.5
37.5°	1180.0	1175.8	1117.7	1012.0	912.4	862.7	854.4	875.1	891.7	868.9	839.9
40°	1325.1	1308.5	1267.1	1163.4	999.5	906.2	895.9	906.2	912.4	895.9	877.2
42.5°	1455.8	1437.1	1426.7	1323.0	1113.6	978.8	970.5	945.6	964.3	943.6	918.7
45°	1565.7	1561.5	1557.4	1468.2	1244.2	1097.0	1090.8	1026.5	1047.2	1030.7	995.4
47.5°	1644.5	1663.1	1656.9	1607.2	1393.6	1223.5	1204.8	1121.9	1153.0	1136.4	1101.2
50°	1737.8	1748.2	1741.9	1708.8	1532.5	1368.7	1333.4	1248.4	1283.6	1281.6	1262.9
52.5°	1820.7	1851.9	1816.6	1814.5	1731.6	1526.3	1466.1	1385.3	1443.3	1466.1	1464.1
55°	1918.2	1943.1	1932.7	1928.6	1909.9	1679.7	1625.8	1528.3	1625.8	1659.0	1688.0
57.5°	2001.2	1999.1	2038.5	2086.2	2109.0	1856.0	1791.7	1677.7	1824.9	1862.2	1943.1
60°	2038.5	2073.7	2140.1	2260.4	2324.7	2044.7	1978.4	1887.1	2026.0	2055.1	2204.4
62.5°	2063.4	2094.5	2223.1	2426.3	2463.6	2237.6	2175.4	2084.1	2245.9	2266.6	2488.5
65°	1994.9	2024.0	2279.0	2488.5	2621.2	2444.9	2430.4	2335.0	2465.7	2478.1	2787.1
67.5°	1916.1	1947.2	2231.3	2567.3	2830.7	2720.8	2697.9	2583.9	2683.4	2668.9	3015.2
70°	1777.2	1818.7	2109.0	2635.7	3062.9	3106.5	3060.8	2899.1	2909.5	2772.6	3025.6
72.5°	1354.2	1381.1	1650.7	2364.1	3170.8	3641.5	3562.7	3239.2	3121.0	2793.3	2671.0
75°	642.9	692.6	920.7	1563.6	2778.8	3666.4	3718.2	3407.2	3009.0	2478.1	1893.3
77.5°	186.6	186.6	280.0	663.6	1741.9	2955.1	3052.6	2892.9	2482.3	1835.3	995.4
80°	101.6	107.8	147.2	234.3	765.2	1864.3	2005.3	1918.2	1462.0	725.8	257.1
82.5°	58.1	60.1	97.5	141.0	348.4	1014.1	1097.0	995.4	555.8	219.8	120.3
85°	33.2	35.3	56.0	93.3	207.4	373.3	406.5	352.5	224.0	147.2	60.1
87.5°	16.6	16.6	27.0	43.5	105.8	105.8	103.7	126.5	134.8	89.2	27.0
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°	603.5	603.5	603.5	603.5	603.5	603.5	603.5	603.5	603.5	603.5	603.5
2.5°	603.5	601.4	601.4	593.1	591.0	584.8	584.8	580.6	578.6	584.8	584.8
5°	605.5	595.2	593.1	584.8	586.9	582.7	591.0	586.9	584.8	584.8	582.7
7.5°	609.7	599.3	591.0	584.8	582.7	588.9	599.3	599.3	611.8	605.5	605.5
10°	620.0	613.8	603.5	599.3	599.3	605.5	618.0	626.3	636.6	636.6	630.4
12.5°	644.9	634.6	622.1	615.9	624.2	630.4	642.9	651.2	663.6	667.7	663.6
15°	663.6	653.2	649.1	644.9	651.2	659.5	669.8	678.1	692.6	696.8	694.7
17.5°	688.5	676.0	674.0	676.0	680.2	686.4	692.6	698.9	709.2	709.2	709.2
20°	700.9	696.8	694.7	700.9	709.2	717.5	713.4	709.2	707.1	711.3	709.2
22.5°	723.7	719.6	721.7	727.9	727.9	723.7	717.5	703.0	698.9	703.0	698.9
25°	744.5	740.3	740.3	736.2	734.1	719.6	707.1	694.7	680.2	686.4	684.3
27.5°	765.2	763.1	763.1	746.5	725.8	700.9	684.3	669.8	661.5	671.9	665.7
30°	790.1	792.2	781.8	742.4	692.6	665.7	647.0	644.9	642.9	649.1	647.0
32.5°	812.9	815.0	798.4	736.2	667.7	615.9	597.2	599.3	609.7	620.0	630.4
35°	825.4	835.7	815.0	715.4	618.0	559.9	539.2	557.8	576.5	591.0	601.4
37.5°	848.2	875.1	839.9	692.6	574.4	510.1	495.6	501.8	524.7	547.5	557.8
40°	881.3	912.4	846.1	649.1	516.4	460.4	452.1	454.1	462.4	477.0	487.3
42.5°	939.4	972.6	852.3	593.1	458.3	429.3	406.5	400.2	394.0	394.0	391.9
45°	1024.4	1055.5	844.0	522.6	400.2	379.5	362.9	348.4	331.8	304.8	309.0
47.5°	1148.9	1173.7	850.2	460.4	346.3	329.7	317.3	300.7	275.8	246.8	244.7
50°	1337.6	1300.2	841.9	396.1	306.9	292.4	282.0	259.2	230.2	209.4	207.4
52.5°	1557.4	1482.7	833.6	342.2	273.7	261.3	253.0	228.1	201.2	190.8	188.7
55°	1822.8	1715.0	846.1	294.5	248.8	238.5	230.2	207.4	186.6	178.3	176.3
57.5°	2136.0	1965.9	914.5	257.1	221.9	217.7	215.7	197.0	178.3	172.1	170.0
60°	2430.4	2206.5	960.1	230.2	197.0	201.2	205.3	197.0	176.3	172.1	172.1
62.5°	2677.2	2405.5	887.6	207.4	184.6	197.0	215.7	209.4	201.2	205.3	201.2
65°	2894.9	2474.0	663.6	194.9	178.3	207.4	238.5	236.4	217.7	221.9	219.8
67.5°	2932.3	2391.0	433.4	184.6	174.2	228.1	267.5	242.6	205.3	205.3	199.1
70°	2776.7	2169.1	290.3	174.2	172.1	228.1	273.7	228.1	192.9	192.9	184.6
72.5°	2279.0	1733.6	224.0	163.8	157.6	203.2	259.2	215.7	180.4	176.3	161.8
75°	1497.2	1117.7	182.5	155.5	136.9	178.3	234.3	199.1	172.1	159.7	153.5
77.5°	734.1	501.8	153.5	136.9	118.2	155.5	213.6	188.7	161.8	149.3	145.2
80°	201.2	180.4	128.6	120.3	99.5	134.8	201.2	180.4	151.4	138.9	132.7
82.5°	114.1	112.0	103.7	97.5	82.9	134.8	203.2	180.4	143.1	141.0	120.3
85°	62.2	66.4	74.7	72.6	64.3	120.3	192.9	157.6	116.1	97.5	97.5
87.5°	24.9	31.1	37.3	41.5	43.5	89.2	145.2	120.3	89.2	74.7	74.7
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)