

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P641518

Luminaire Tested: GWS-SA6B-722-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641518
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-722-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13725.7 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

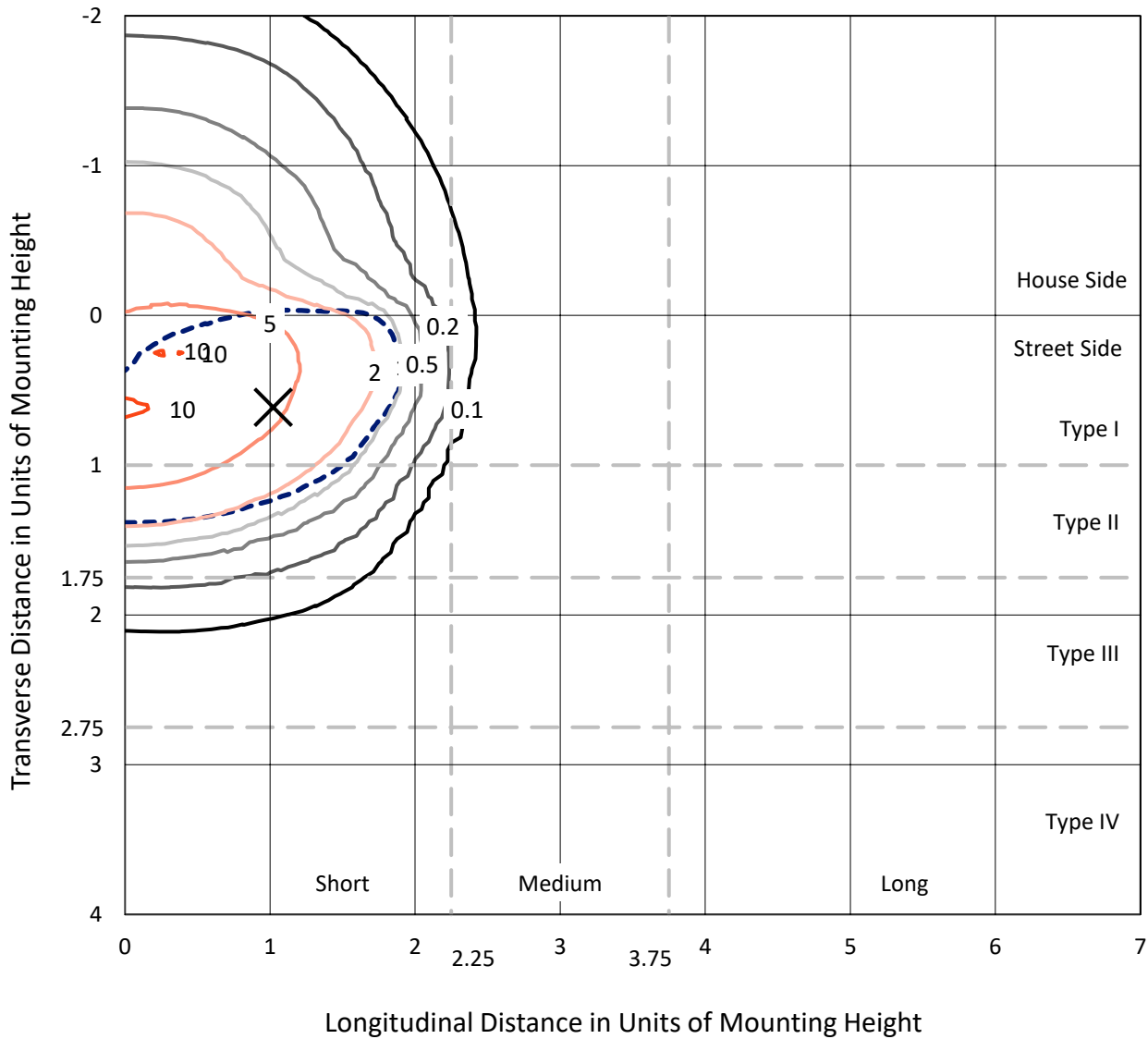
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

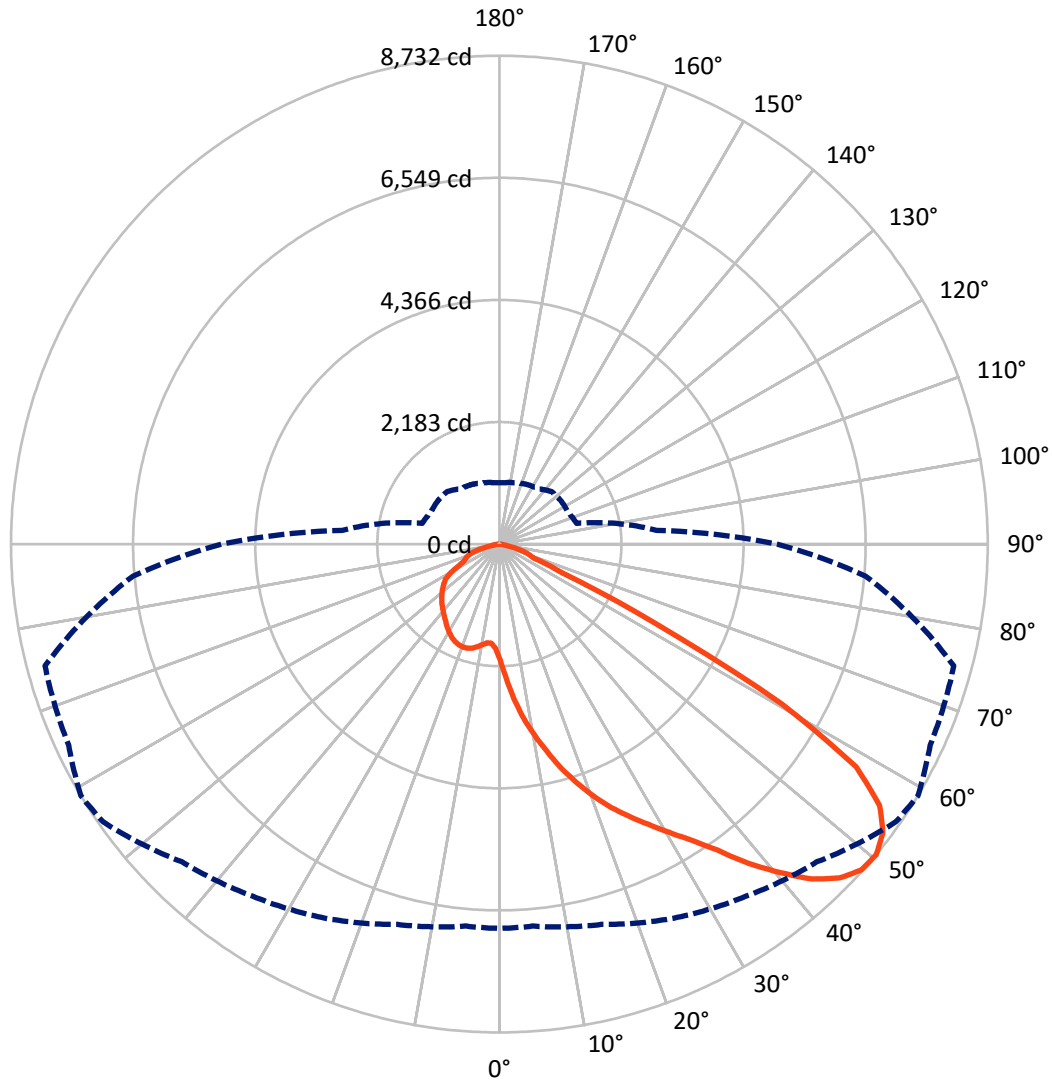
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3157.2	0.0	3157.2
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	10568.5	0.0	10568.5
	% Fixture	77.0	0.0	77.0
Total	Lumens	13725.7	0.0	13725.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.3	1.7
10°-20°	846.9	6.2
20°-30°	1603.6	11.7
30°-40°	2659.3	19.4
40°-50°	3632.8	26.5
50°-60°	3297.7	24.0
60°-70°	1098.2	8.0
70°-80°	320.3	2.3
80°-90°	33.6	0.2
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°	13725.7	100.0
0°-180°	13725.7	100.0

Coefficient of Utilization



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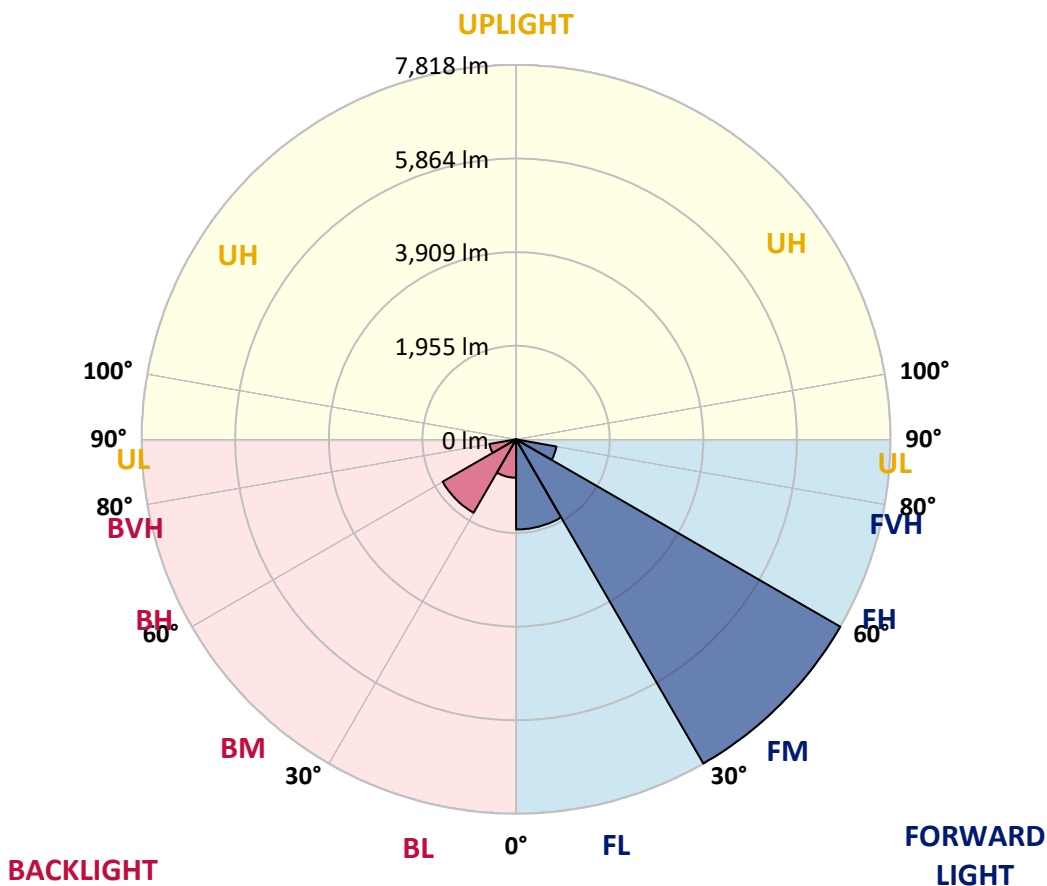
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1882.1	13.7			
FM (30°-60°)	7818.3	57.0			
FH (60°-80°)	854.9	6.2			G1/1800
FVH (80°-90°)	13.2	0.1			G1/100
BL (0°-30°)	801.7	5.8	B2/1000		
BM (30°-60°)	1771.5	12.9	B2/2500		
BH (60°-80°)	563.5	4.1	B2/1000		G2/1000
BVH (80°-90°)	20.5	0.1			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°	59°	65°	75°	85°
0°	2079.5	2079.5	2079.5	2079.5	2079.5	2079.5	2079.5	2079.5	2079.5	2079.5	2079.5
2.5°	2694.5	2714.6	2683.3	2685.5	2607.3	2571.5	2470.9	2411.6	2372.5	2262.9	2163.4
5°	3237.8	3214.3	3189.7	3175.2	3107.0	3010.9	2885.6	2786.1	2694.5	2479.8	2273.0
7.5°	3571.0	3558.7	3541.9	3533.0	3465.9	3365.3	3240.1	3155.1	3022.0	2731.4	2406.0
10°	3853.9	3839.3	3829.3	3836.0	3781.2	3716.3	3579.9	3482.7	3332.9	2997.4	2567.0
12.5°	4073.0	4080.8	4084.2	4120.0	4096.5	4057.3	3916.5	3813.6	3647.0	3278.1	2756.0
15°	4246.3	4244.1	4283.2	4351.4	4389.4	4364.8	4251.9	4165.8	3962.3	3554.2	2959.4
17.5°	4286.5	4288.8	4350.3	4469.9	4594.0	4654.4	4590.6	4487.8	4286.5	3827.0	3170.7
20°	4319.0	4323.4	4387.2	4523.6	4704.7	4873.5	4883.6	4809.8	4636.5	4122.2	3385.4
22.5°	4523.6	4533.6	4550.4	4636.5	4799.7	5013.3	5130.7	5115.0	4969.7	4431.9	3616.8
25°	5061.3	5031.1	4949.5	4924.9	4987.5	5160.8	5361.0	5391.2	5319.6	4772.9	3866.2
27.5°	5725.4	5693.0	5572.3	5444.8	5309.5	5369.9	5583.5	5674.0	5675.1	5148.5	4116.6
30°	6328.1	6302.3	6204.0	6021.7	5788.1	5700.8	5858.5	5980.4	6053.0	5582.3	4401.7
32.5°	6843.5	6820.0	6687.0	6538.3	6310.2	6134.6	6191.7	6309.1	6479.0	6143.6	4756.1
35°	7277.3	7253.8	7126.3	6976.5	6765.2	6660.1	6640.0	6720.5	6940.7	6729.4	5163.1
37.5°	7629.5	7606.0	7472.9	7332.1	7171.1	7177.8	7208.0	7247.1	7373.4	7356.7	5598.0
40°	7857.5	7832.9	7737.9	7637.3	7535.5	7616.0	7765.9	7718.9	7786.0	7863.1	5998.2
42.5°	7959.3	7928.0	7873.2	7850.8	7819.5	7944.7	8233.2	8186.2	8105.7	8200.8	6295.6
45°	7857.5	7830.7	7829.6	7897.8	7970.5	8131.5	8556.3	8518.3	8314.8	8364.0	6473.4
47.5°	7545.6	7522.1	7585.9	7764.7	7943.6	8178.4	8700.5	8707.2	8463.5	8432.2	6588.6
50°	6871.4	6855.8	7040.3	7379.0	7687.6	8031.9	8654.7	8731.8	8499.3	8411.0	6574.0
52.5°	5500.7	5573.4	5974.8	6540.5	7139.8	7774.8	8484.7	8585.4	8327.1	8271.2	6495.8
55°	3765.5	3799.1	4200.4	5026.7	5977.0	7218.0	8094.6	8250.0	8123.6	8247.7	6577.4
57.5°	1949.8	1976.7	2293.1	3026.5	4054.0	5704.2	7011.2	7521.0	7713.3	8366.2	6831.2
60°	800.5	822.9	953.7	1308.1	2044.9	3321.7	5045.7	5801.5	6253.2	7640.6	6066.4
62.5°	581.4	592.6	655.2	780.4	1071.1	1627.9	2855.5	3133.8	3451.4	4788.5	3851.6
65°	489.7	502.0	552.3	628.3	781.5	998.4	1219.8	1226.5	1351.7	1951.0	1427.7
67.5°	410.3	421.5	466.2	531.1	631.7	708.8	655.2	656.3	654.0	707.7	684.2
70°	319.8	328.7	373.4	442.7	495.3	455.0	512.1	566.8	543.4	564.6	597.0
72.5°	233.7	243.7	282.9	335.4	322.0	324.2	414.8	470.7	457.3	480.8	510.9
75°	168.8	175.5	195.7	167.7	176.6	213.5	291.8	322.0	335.4	355.5	382.4
77.5°	54.8	54.8	61.5	77.1	96.2	118.5	148.7	161.0	181.1	203.5	222.5
80°	28.0	29.1	34.7	42.5	53.7	68.2	87.2	92.8	102.9	115.2	123.0
82.5°	13.4	14.5	16.8	21.2	28.0	35.8	48.1	53.7	60.4	68.2	73.8
85°	3.4	3.4	4.5	6.7	8.9	13.4	17.9	21.2	26.8	32.4	35.8
87.5°	0.0	0.0	0.0	0.0	0.0	1.1	3.4	4.5	5.6	6.7	8.9
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°	2079.5	2079.5	2079.5	2079.5	2079.5	2079.5	2079.5	2079.5	2079.5	2079.5	2079.5
2.5°	2118.7	2056.1	1975.6	1907.4	1844.8	1796.7	1755.3	1735.2	1716.2	1702.8	1707.2
5°	2176.8	2069.5	1919.7	1815.7	1752.0	1719.5	1697.2	1686.0	1683.8	1674.8	1671.5
7.5°	2261.8	2108.6	1908.5	1803.4	1760.9	1744.1	1731.8	1725.1	1728.5	1719.5	1716.2
10°	2366.9	2173.5	1936.4	1843.6	1806.7	1794.4	1781.0	1772.1	1767.6	1754.2	1752.0
12.5°	2497.7	2254.0	1986.7	1895.1	1858.2	1836.9	1819.0	1803.4	1793.3	1776.6	1772.1
15°	2638.6	2343.4	2046.0	1945.4	1901.8	1870.5	1841.4	1817.9	1800.0	1777.7	1774.3
17.5°	2791.7	2437.3	2095.2	1980.0	1924.1	1882.8	1840.3	1805.6	1781.0	1752.0	1748.6
20°	2951.6	2532.3	2132.1	1996.8	1925.3	1869.4	1812.3	1766.5	1735.2	1706.1	1703.9
22.5°	3117.1	2619.6	2154.4	1992.3	1907.4	1838.0	1769.8	1718.4	1681.5	1646.9	1644.6
25°	3283.7	2703.4	2160.0	1974.4	1871.6	1791.1	1722.9	1662.5	1621.1	1582.0	1577.5
27.5°	3452.5	2773.8	2146.6	1938.7	1823.5	1736.3	1668.1	1608.8	1566.4	1527.2	1520.5
30°	3632.5	2834.2	2117.6	1891.7	1767.6	1678.2	1611.1	1566.4	1526.1	1487.0	1480.3
32.5°	3824.8	2886.8	2076.2	1834.7	1702.8	1620.0	1570.8	1530.6	1490.3	1455.7	1449.0
35°	4054.0	2921.4	2014.7	1760.9	1642.4	1577.5	1544.0	1497.0	1447.9	1409.8	1406.5
37.5°	4291.0	2948.3	1940.9	1690.5	1589.8	1552.9	1525.0	1461.3	1399.8	1353.9	1348.3
40°	4520.2	2970.6	1849.2	1624.5	1541.8	1535.1	1497.0	1417.7	1311.5	1260.0	1255.6
42.5°	4733.7	2977.3	1753.1	1554.1	1498.2	1494.8	1452.3	1329.3	1247.7	1215.3	1210.8
45°	4880.2	2971.7	1653.6	1488.1	1454.6	1436.7	1392.0	1265.6	1215.3	1186.2	1180.6
47.5°	4988.7	2942.7	1541.8	1418.8	1405.4	1380.8	1284.6	1225.4	1178.4	1149.3	1143.7
50°	4969.7	2821.9	1428.8	1351.7	1346.1	1324.9	1206.4	1175.1	1133.7	1102.4	1097.9
52.5°	4871.3	2592.7	1313.7	1277.9	1289.1	1247.7	1150.5	1114.7	1078.9	1043.1	1035.3
55°	4895.9	2427.2	1226.5	1206.4	1226.5	1132.6	1087.8	1049.8	1016.3	981.6	974.9
57.5°	5003.2	2264.0	1133.7	1129.2	1150.5	1044.2	1007.3	959.3	911.2	883.2	883.2
60°	4201.6	1650.2	970.5	981.6	1029.7	972.7	940.3	891.1	838.5	813.9	813.9
62.5°	2484.3	1035.3	805.0	792.7	822.9	858.6	876.5	836.3	773.7	741.3	742.4
65°	1094.6	753.6	710.0	699.9	690.9	715.5	764.7	768.1	702.1	664.1	665.2
67.5°	674.2	682.0	664.1	656.3	648.5	644.0	639.5	641.8	623.9	589.2	588.1
70°	608.2	629.5	617.2	610.4	600.4	592.6	565.7	522.1	491.9	483.0	493.1
72.5°	523.2	552.3	545.6	542.2	529.9	510.9	475.2	432.7	396.9	374.5	379.0
75°	394.7	418.1	421.5	422.6	409.2	391.3	354.4	318.6	287.3	263.9	269.4
77.5°	227.0	240.4	243.7	247.1	237.0	230.3	205.7	180.0	163.2	138.6	145.3
80°	126.3	131.9	131.9	133.0	127.5	119.6	102.9	88.3	80.5	69.3	70.4
82.5°	76.0	78.3	79.4	80.5	77.1	69.3	57.0	47.0	42.5	36.9	35.8
85°	36.9	39.1	39.1	40.2	34.7	30.2	23.5	17.9	15.7	11.2	12.3
87.5°	8.9	10.1	10.1	8.9	7.8	5.6	3.4	1.1	0.0	0.0	0.0
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)