

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: P641763

Luminaire Tested: GWS-SA6B-750-U-AFL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641763
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-47)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-750-U-AFL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19647.9 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

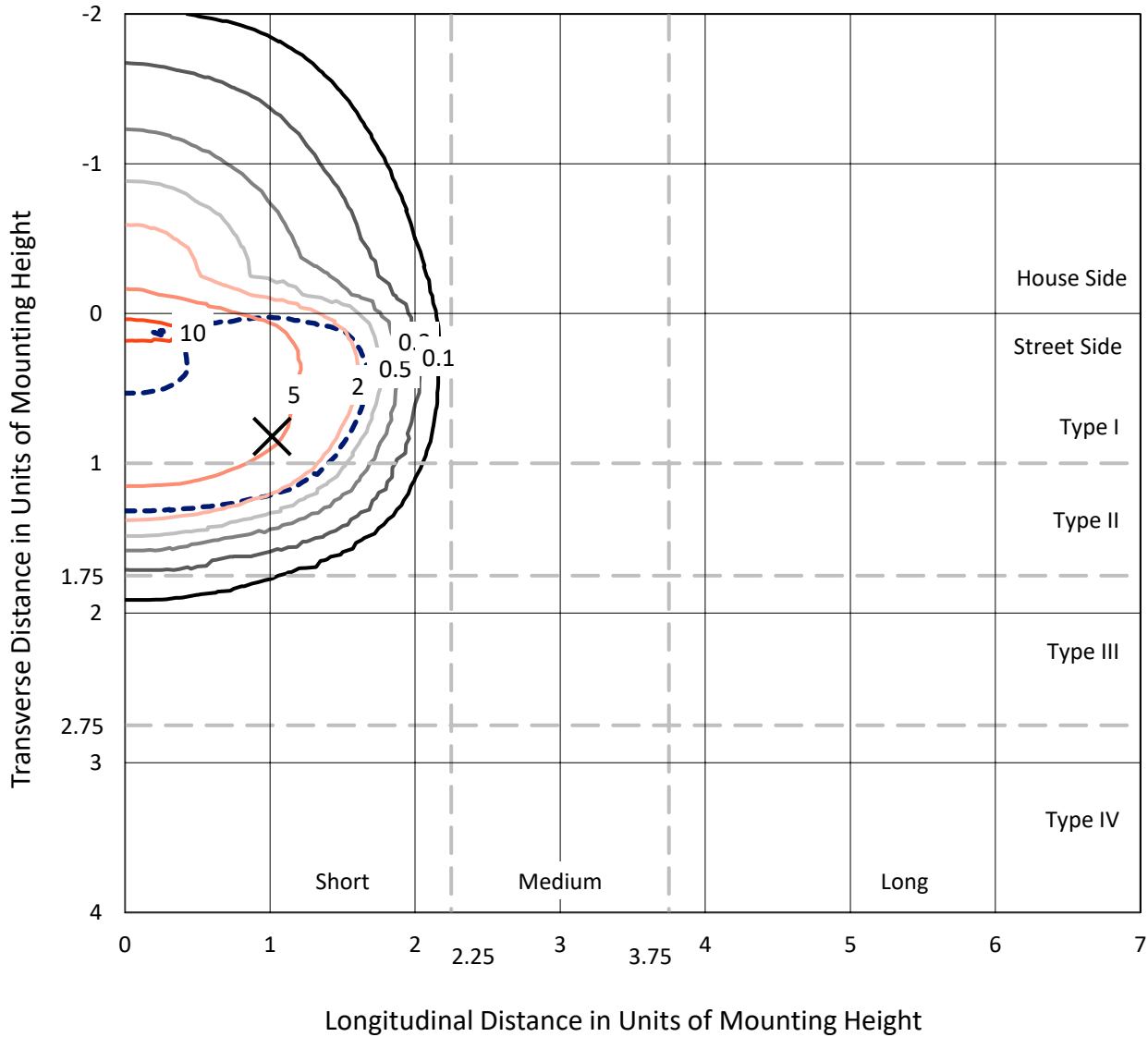
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

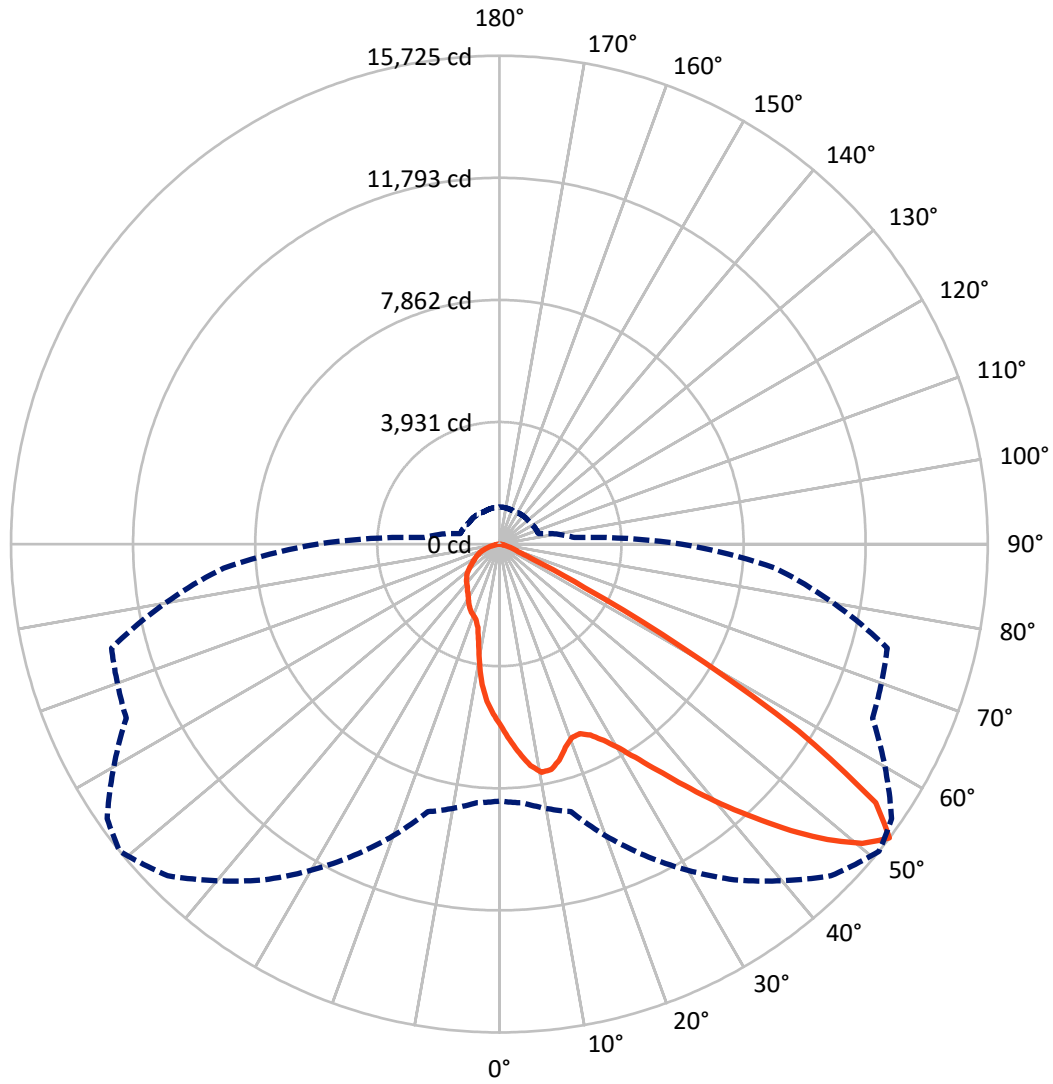
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 51-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3828.2	0.0	3828.2
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	15819.7	0.0	15819.7
	% Fixture	80.5	0.0	80.5
Total	Lumens	19647.9	0.0	19647.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	545.9	2.8
10°-20°	1418.5	7.2
20°-30°	2306.3	11.7
30°-40°	3655.0	18.6
40°-50°	5512.5	28.1
50°-60°	4768.8	24.3
60°-70°	1081.1	5.5
70°-80°	318.8	1.6
80°-90°	41.1	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°	19647.9	100.0
0°-180°	19647.9	100.0

Coefficient of Utilization



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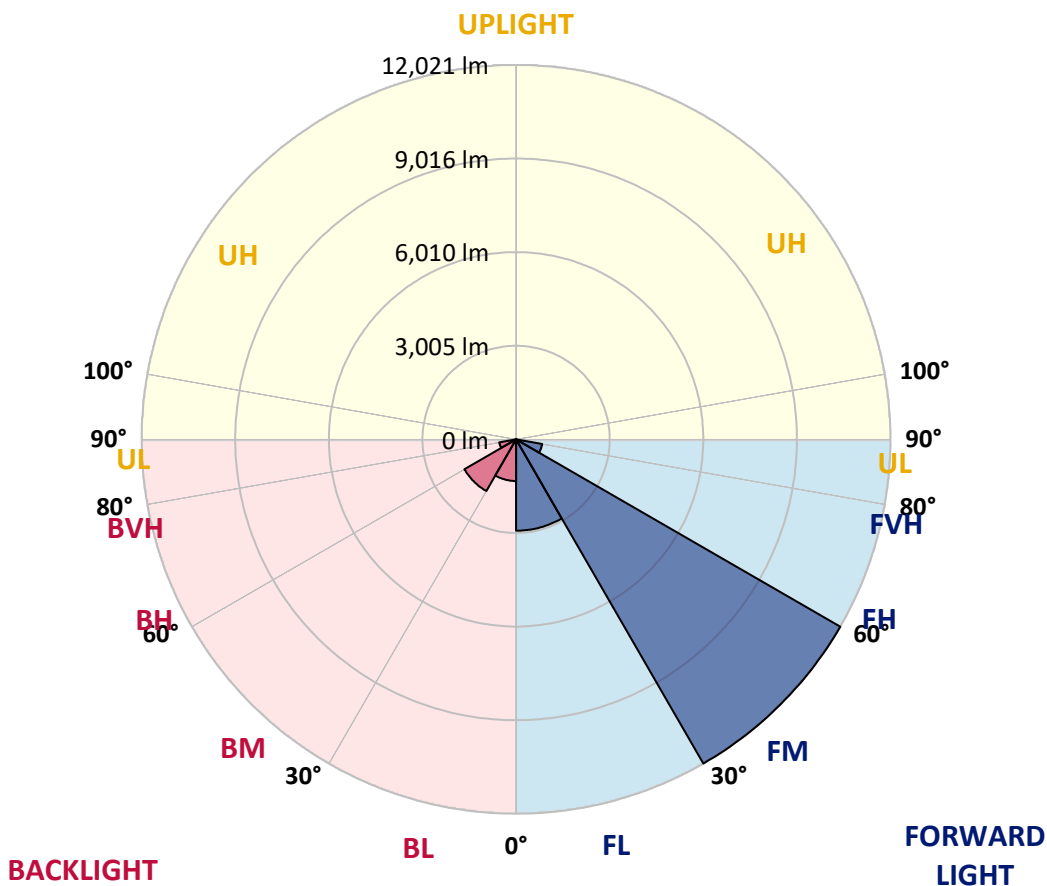
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2932.5	14.9			
FM (30°-60°)	12020.9	61.2			
FH (60°-80°)	850.8	4.3			G1/1800
FVH (80°-90°)	15.5	0.1			G1/100
BL (0°-30°)	1338.2	6.8	B3/2500		
BM (30°-60°)	1915.4	9.7	B2/2500		
BH (60°-80°)	549.1	2.8	B2/1000		G2/1000
BVH (80°-90°)	25.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	5850.2	5850.2	5850.2	5850.2	5850.2	5850.2	5850.2	5850.2	5850.2	5850.2	5850.2
2.5°	6519.3	6556.6	6499.1	6477.4	6441.7	6379.6	6308.2	6288.0	6134.3	6033.4	5920.0
5°	7174.5	7194.7	7148.1	7101.5	7013.1	6902.8	6764.6	6735.1	6455.7	6224.3	5983.7
7.5°	7320.5	7312.7	7353.1	7379.5	7368.6	7325.1	7202.5	7145.0	6811.2	6444.8	6089.3
10°	6742.9	6699.4	6848.5	7025.5	7238.2	7483.5	7469.5	7464.9	7174.5	6741.3	6224.3
12.5°	5977.5	5955.7	6076.8	6298.9	6701.0	7244.4	7447.8	7606.1	7502.1	7023.9	6374.9
15°	5539.6	5531.9	5614.2	5774.1	6093.9	6780.2	7214.9	7528.5	7783.1	7326.7	6534.9
17.5°	5460.5	5465.1	5493.1	5584.7	5814.5	6379.6	6882.6	7320.5	8002.1	7658.9	6735.1
20°	5691.8	5722.8	5674.7	5688.7	5812.9	6235.2	6656.0	7110.9	8141.8	7992.7	6950.9
22.5°	6205.7	6194.8	6089.3	6027.2	6028.7	6323.7	6631.1	7013.1	8233.4	8317.2	7146.6
25°	6787.9	6775.5	6649.7	6511.6	6424.6	6564.4	6809.7	7117.1	8315.7	8613.8	7303.4
27.5°	7475.7	7436.9	7297.2	7120.2	6927.7	6988.2	7154.3	7398.1	8443.0	8905.7	7407.4
30°	8141.8	8186.8	7986.5	7776.9	7573.5	7536.3	7632.5	7853.0	8702.3	9247.2	7531.6
32.5°	9025.2	9009.7	8787.7	8514.4	8224.1	8196.1	8272.2	8474.0	9168.0	9719.2	7721.0
35°	10094.9	10098.0	9782.9	9413.4	9000.4	8925.8	9053.2	9248.8	9862.1	10358.9	8020.7
37.5°	11206.6	11201.9	10927.1	10507.9	9944.3	9838.8	9984.7	10130.7	10730.0	11229.9	8486.5
40°	11986.0	12017.0	11888.2	11667.7	11133.6	10875.9	11004.8	11105.7	11673.9	12254.6	9099.7
42.5°	12428.5	12475.1	12503.0	12635.0	12354.0	12079.2	12032.6	12085.4	12517.0	13206.3	9675.7
45°	12523.2	12585.3	12788.7	13277.8	13386.4	13308.8	13156.6	13029.3	13145.8	13881.7	10053.0
47.5°	12105.5	12214.2	12649.0	13504.4	14139.4	14383.2	14214.0	14019.9	13509.1	14055.6	10014.2
50°	10450.5	10577.8	11557.5	13041.8	14246.6	15134.6	15150.2	14862.9	13465.6	13554.1	9526.7
52.5°	8273.8	8360.7	8921.2	11056.0	13195.5	15103.6	15724.6	15417.2	13256.0	12926.9	8916.5
55°	4945.0	5084.7	5608.0	7294.1	10279.7	13386.4	14709.2	14858.3	13153.5	12400.5	8500.4
57.5°	1669.0	1737.3	2237.3	3221.6	6058.2	9801.5	11365.0	11970.5	11941.0	11596.3	7688.4
60°	794.9	810.5	911.4	1221.9	2425.1	5122.0	6727.4	7426.0	8062.6	8126.3	4783.5
62.5°	605.5	614.8	666.1	732.8	975.0	2158.1	3083.4	3617.5	3864.4	3316.3	1742.0
65°	506.1	513.9	552.7	594.6	663.0	934.7	1183.1	1364.7	1229.7	957.9	830.6
67.5°	422.3	428.5	458.0	503.0	549.6	625.7	656.7	675.4	708.0	794.9	763.9
70°	330.7	336.9	368.0	406.8	451.8	470.4	499.9	518.6	583.8	695.6	692.5
72.5°	254.6	262.4	279.5	304.3	341.6	360.2	392.8	414.5	451.8	541.9	579.1
75°	186.3	191.0	206.5	214.3	218.9	214.3	246.9	271.7	321.4	355.5	364.9
77.5°	76.1	85.4	82.3	82.3	97.8	118.0	135.1	150.6	184.8	204.9	206.5
80°	31.1	34.2	40.4	45.0	54.3	69.9	80.7	86.9	102.5	114.9	124.2
82.5°	18.6	20.2	23.3	24.8	31.1	40.4	46.6	51.2	63.7	76.1	80.7
85°	9.3	9.3	10.9	12.4	15.5	18.6	21.7	24.8	32.6	40.4	45.0
87.5°	1.6	1.6	1.6	3.1	4.7	6.2	7.8	9.3	10.9	12.4	15.5
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°	5850.2	5850.2	5850.2	5850.2	5850.2	5850.2	5850.2	5850.2	5850.2	5850.2	5850.2
2.5°	5853.3	5769.4	5671.6	5594.0	5503.9	5437.2	5342.5	5283.5	5227.6	5181.0	5146.8
5°	5859.5	5718.2	5514.8	5334.7	5148.4	4971.4	4789.7	4642.2	4510.3	4400.0	4390.7
7.5°	5895.2	5691.8	5373.5	5058.3	4695.0	4344.1	3993.3	3707.6	3490.2	3376.9	3353.6
10°	5955.7	5688.7	5229.1	4726.1	4106.6	3541.5	3125.4	2908.0	2782.2	2737.2	2721.7
12.5°	6019.4	5680.9	5044.4	4257.2	3397.1	2901.8	2673.6	2647.2	2670.5	2673.6	2672.0
15°	6097.0	5676.3	4811.5	3707.6	2878.5	2605.2	2620.8	2676.7	2731.0	2743.4	2743.4
17.5°	6191.7	5665.4	4494.7	3170.4	2554.0	2547.8	2630.1	2704.6	2755.8	2765.2	2765.2
20°	6291.1	5637.5	4105.0	2732.6	2422.0	2512.1	2600.6	2658.0	2693.7	2706.2	2707.7
22.5°	6359.4	5562.9	3656.4	2408.1	2339.8	2443.8	2507.4	2566.4	2566.4	2535.4	2526.1
25°	6373.4	5403.0	3170.4	2186.0	2241.9	2338.2	2403.4	2369.3	2305.6	2280.8	2279.2
27.5°	6322.1	5170.1	2690.6	2027.7	2123.9	2220.2	2209.3	2159.7	2131.7	2106.9	2116.2
30°	6260.0	4890.7	2274.5	1897.3	1987.3	2082.0	2044.8	2027.7	2007.5	1979.6	1985.8
32.5°	6218.1	4578.6	1954.7	1796.3	1895.7	1911.2	1937.6	1936.1	1917.4	1864.7	1861.6
35°	6230.5	4263.4	1740.5	1714.1	1819.6	1813.4	1863.1	1853.8	1724.9	1652.0	1647.3
37.5°	6329.9	3960.7	1614.7	1648.9	1698.5	1737.3	1780.8	1669.0	1624.0	1577.4	1580.5
40°	6519.3	3679.6	1546.4	1613.1	1625.6	1683.0	1582.1	1580.5	1560.4	1518.4	1516.9
42.5°	6733.6	3442.1	1499.8	1596.1	1579.0	1589.9	1482.7	1495.1	1493.6	1467.2	1459.4
45°	6864.0	3223.2	1462.5	1532.4	1537.1	1428.4	1395.8	1409.8	1417.5	1403.5	1402.0
47.5°	6728.9	2971.7	1423.7	1434.6	1475.0	1355.4	1315.0	1316.6	1330.6	1332.1	1325.9
50°	6350.1	2690.6	1377.1	1350.8	1324.4	1279.3	1242.1	1234.3	1248.3	1262.3	1266.9
52.5°	5861.0	2422.0	1299.5	1259.2	1197.0	1197.0	1180.0	1155.1	1173.8	1192.4	1198.6
55°	5502.4	2223.3	1189.3	1144.3	1075.9	1099.2	1096.1	1074.4	1099.2	1113.2	1117.9
57.5°	4768.0	1787.0	1046.4	1032.5	975.0	1003.0	1009.2	981.2	968.8	971.9	976.6
60°	2830.4	1153.6	944.0	942.4	891.2	923.8	942.4	914.5	877.2	881.9	888.1
62.5°	1270.0	881.9	815.1	808.9	807.3	849.3	869.5	843.1	790.3	794.9	801.1
65°	799.6	762.3	708.0	708.0	732.8	768.5	784.1	762.3	701.8	694.0	700.2
67.5°	742.1	709.5	653.6	642.8	655.2	684.7	686.2	644.3	608.6	602.4	602.4
70°	666.1	641.2	586.9	565.1	560.5	558.9	554.3	543.4	520.1	513.9	517.0
72.5°	551.2	534.1	499.9	476.6	464.2	462.7	444.0	434.7	414.5	411.4	409.9
75°	364.9	369.5	369.5	366.4	355.5	350.9	330.7	321.4	298.1	288.8	287.2
77.5°	215.8	220.5	226.7	228.2	226.7	226.7	208.0	197.2	173.9	161.5	158.4
80°	132.0	135.1	138.2	142.8	136.6	132.0	114.9	104.0	93.2	85.4	83.8
82.5°	85.4	88.5	90.1	93.2	90.1	83.8	69.9	63.7	55.9	49.7	48.1
85°	48.1	49.7	52.8	52.8	48.1	43.5	35.7	31.1	26.4	23.3	23.3
87.5°	17.1	17.1	17.1	18.6	15.5	14.0	9.3	6.2	4.7	4.7	4.7
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)