

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: P643147

Luminaire Tested: GWS-SA6E-735-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643147
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-735-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43386.7 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G5

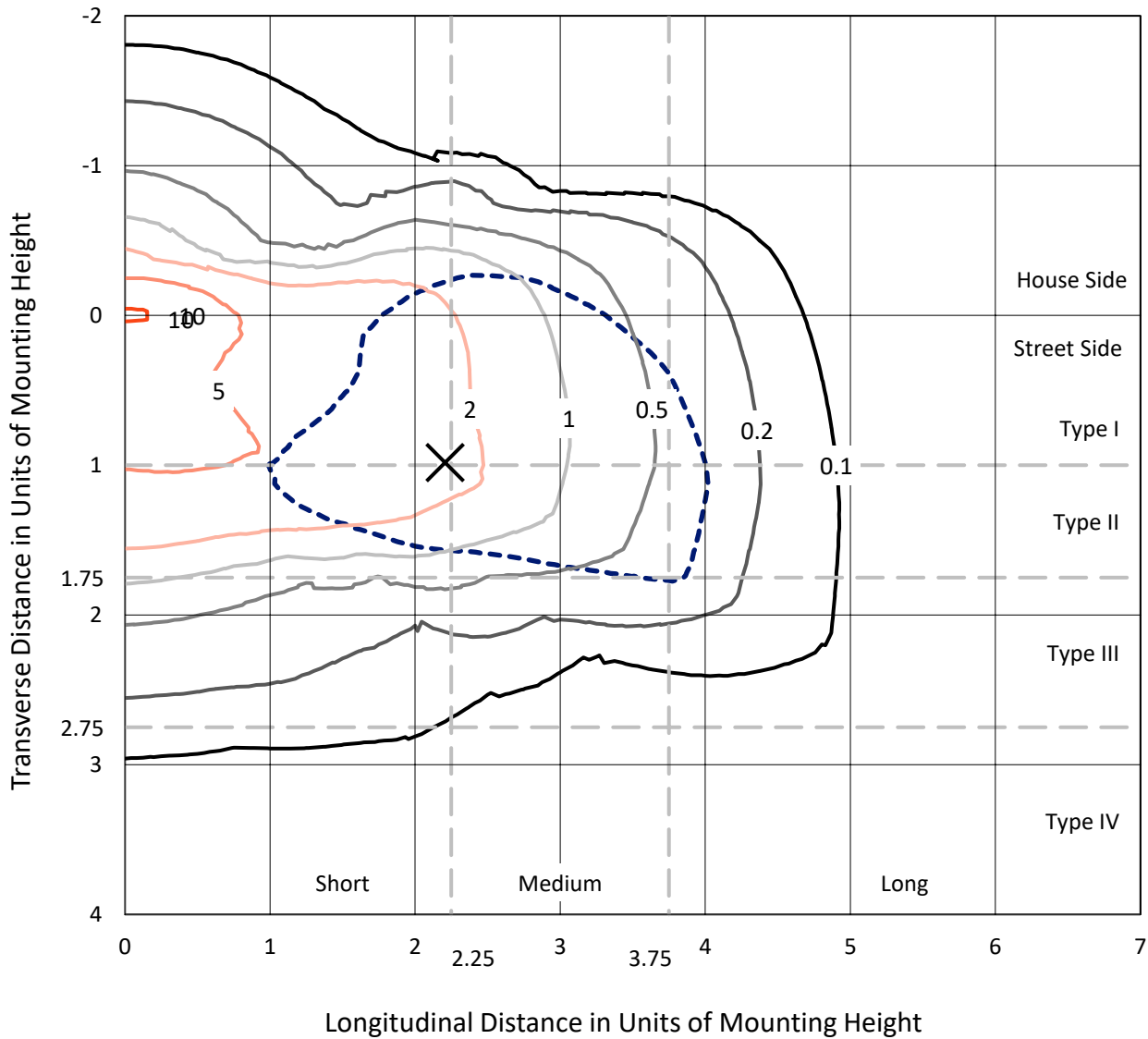
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643147
 CATALOG NUMBER: GWS-SA6E-735-U-SL2-W

Iso-Footcandle Lines of Horizontal Illumination

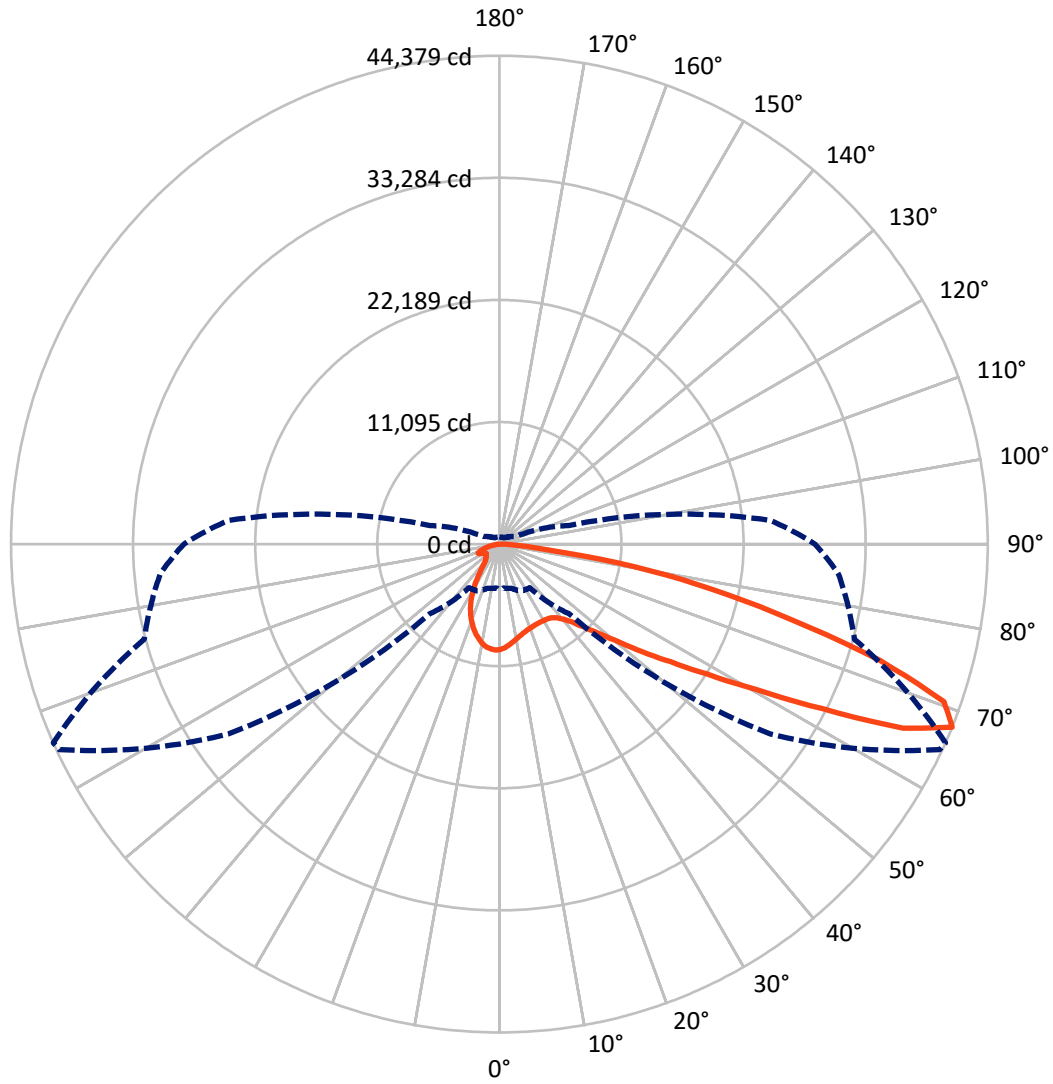
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10.7 fc
 Type II - Short - N/A

REPORT NUMBER: P643147
CATALOG NUMBER: GWS-SA6E-735-U-SL2-W

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P643147

CATALOG NUMBER: GWS-SA6E-735-U-SL2-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8804.2	0.0	8804.2
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	34582.5	0.0	34582.5
	% Fixture	79.7	0.0	79.7
Total	Lumens	43386.7	0.0	43386.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	841.4	1.9
10°-20°	2067.8	4.8
20°-30°	2842.3	6.6
30°-40°	3885.9	9.0
40°-50°	5888.2	13.6
50°-60°	9153.3	21.1
60°-70°	11144.0	25.7
70°-80°	6788.4	15.6
80°-90°	775.4	1.8
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°	43386.7	100.0
0°-180°	43386.7	100.0

Coefficient of Utilization



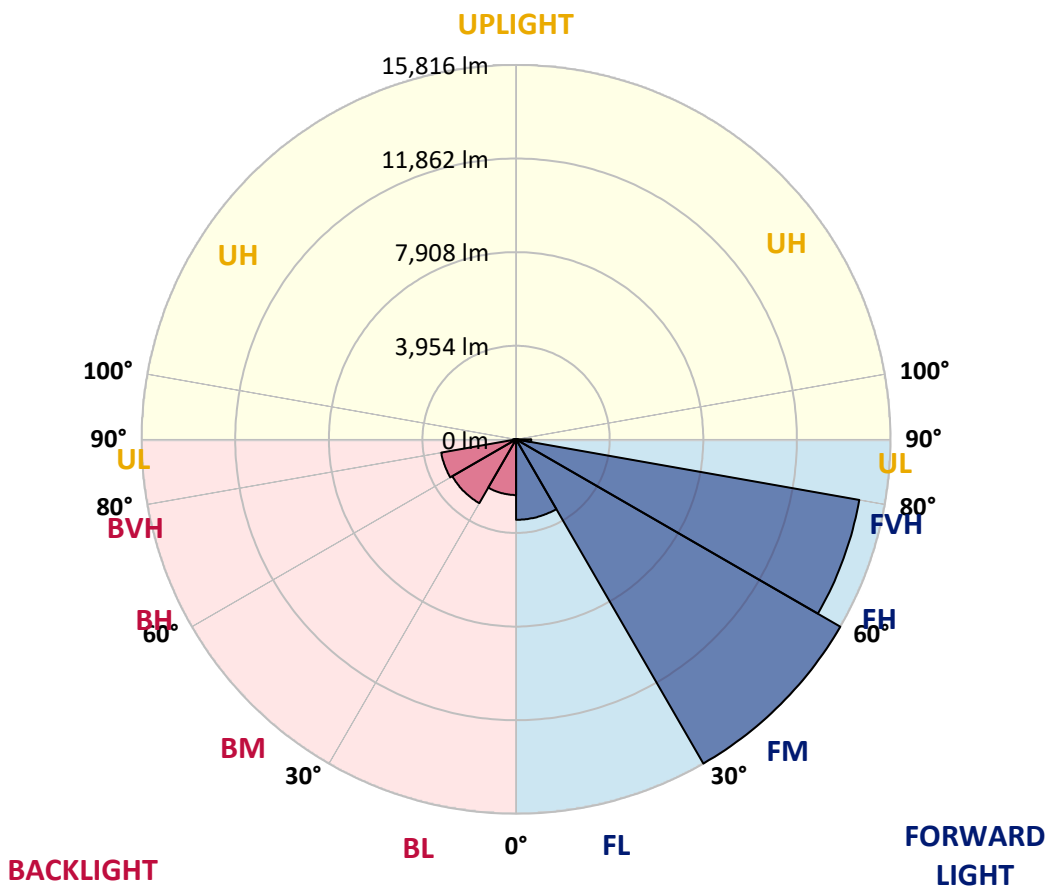
REPORT NUMBER: P643147

CATALOG NUMBER: GWS-SA6E-735-U-SL2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3399.5	7.8			
FM (30°-60°)	15816.1	36.5			
FH (60°-80°)	14722.2	33.9			G5
FVH (80°-90°)	644.7	1.5			G4/750
BL (0°-30°)	2352.0	5.4	B3/2500		
BM (30°-60°)	3111.3	7.2	B3/5000		
BH (60°-80°)	3210.2	7.4	B4/5000		G4/5000
BVH (80°-90°)	130.7	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type II Short





REPORT NUMBER: P643147
 CATALOG NUMBER: GWS-SA6E-735-U-SL2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	9587.2	9587.2	9587.2	9587.2	9587.2	9587.2	9587.2	9587.2	9587.2	9587.2	9587.2
2.5°	8979.5	9011.2	8992.2	9112.5	9118.8	9270.7	9356.2	9429.0	9435.3	9530.3	9593.6
5°	8365.5	8384.5	8384.5	8498.4	8574.4	8777.0	8973.2	9182.1	9197.9	9425.8	9599.9
7.5°	7868.6	7887.5	7874.9	8026.8	8124.9	8349.7	8599.7	8919.4	8951.0	9318.2	9622.0
10°	7479.2	7472.9	7504.6	7643.8	7770.4	8039.5	8318.0	8682.0	8729.5	9194.8	9647.4
12.5°	7213.4	7219.7	7238.7	7384.3	7520.4	7786.3	8074.3	8469.9	8520.6	9052.3	9634.7
15°	7086.8	7074.1	7089.9	7222.9	7352.6	7586.9	7884.4	8292.7	8343.3	8925.7	9637.9
17.5°	7058.3	7048.8	7045.6	7140.6	7238.7	7457.1	7741.9	8156.6	8210.4	8843.4	9656.9
20°	7146.9	7134.2	7099.4	7140.6	7181.7	7365.3	7640.7	8058.5	8118.6	8789.6	9694.8
22.5°	7390.6	7368.5	7314.7	7264.0	7210.2	7321.0	7577.4	7985.7	8045.8	8754.8	9732.8
25°	7760.9	7741.9	7685.0	7571.0	7374.8	7355.8	7564.7	7954.0	8014.2	8729.5	9748.7
27.5°	8270.5	8242.0	8185.1	8020.5	7700.8	7485.6	7612.2	7950.8	8007.8	8701.0	9732.8
30°	8875.1	8856.1	8824.4	8625.0	8197.7	7760.9	7719.8	7976.2	8020.5	8685.2	9701.2
32.5°	9489.1	9470.1	9495.4	9400.5	8875.1	8216.7	7954.0	8045.8	8077.5	8682.0	9672.7
35°	10030.3	10052.5	10236.1	10251.9	9736.0	8833.9	8324.3	8207.2	8213.6	8745.3	9685.3
37.5°	10596.9	10682.4	10922.9	11128.7	10698.2	9650.5	8875.1	8511.1	8504.7	8906.7	9764.5
40°	11347.1	11385.0	11692.1	12078.2	11809.2	10771.0	9656.9	9008.0	8963.7	9235.9	9976.5
42.5°	12078.2	12170.0	12660.6	13103.7	13015.1	12033.9	10641.2	9751.8	9672.7	9818.3	10413.3
45°	13008.8	13097.4	13648.1	14217.8	14379.3	13461.4	11901.0	10809.0	10729.8	10695.0	11214.1
47.5°	13939.3	14031.1	14524.9	15347.8	15914.4	15246.5	13540.5	12204.8	12075.0	11938.9	12423.2
50°	14566.0	14673.6	15145.2	16132.8	17462.1	17474.8	15483.9	14034.3	13869.7	13654.4	14126.0
52.5°	14543.8	14613.5	15062.9	16202.4	18576.2	20035.4	18085.6	16363.8	16230.9	15762.4	16173.9
55°	13401.2	13505.7	13958.3	15382.6	18696.5	22463.0	21909.1	19111.2	18873.8	18035.0	18487.6
57.5°	11106.5	11195.1	11650.9	13407.6	17629.9	23706.9	26764.5	22611.8	22285.8	20510.1	21032.4
60°	8384.5	8276.9	8492.1	10030.3	15078.8	23738.6	31050.1	27359.5	26815.1	23156.2	23593.0
62.5°	6292.3	6184.7	6232.2	6665.8	10223.4	21820.5	33493.6	33854.4	32955.5	26144.1	26058.7
65°	4972.4	4912.3	5048.4	5345.9	5960.0	16617.0	33512.6	40877.9	40311.3	29606.8	28587.6
67.5°	4051.4	4013.4	4152.7	4703.4	4833.2	8928.9	30049.9	44157.0	44378.5	33398.6	30933.0
70°	3263.3	3206.3	3424.7	4149.5	4494.5	5402.9	21526.2	42485.8	42843.4	35658.5	30271.5
72.5°	2253.6	2256.7	2367.5	3361.4	4339.4	4665.4	12176.3	35376.8	36152.3	33610.7	26612.6
75°	1519.3	1531.9	1563.6	2218.8	3997.6	4526.2	6488.6	26783.5	27331.0	27780.5	21997.8
77.5°	917.9	924.2	997.0	1342.0	2756.8	4225.5	4396.4	19415.0	19845.5	18313.5	13635.5
80°	531.7	553.9	620.4	898.9	1861.1	3174.6	3402.5	11904.1	12391.5	8140.8	4333.1
82.5°	234.2	250.0	338.7	522.2	1085.6	2699.9	2655.6	4703.4	4633.8	2269.4	1503.4
85°	41.1	50.6	72.8	164.6	398.8	1424.3	2060.5	2076.3	1952.9	860.9	623.5
87.5°	0.0	0.0	0.0	0.0	0.0	9.5	310.2	557.1	553.9	243.7	215.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P643147
 CATALOG NUMBER: GWS-SA6E-735-U-SL2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9587.2	9587.2	9587.2	9587.2	9587.2	9587.2	9587.2	9587.2	9587.2	9587.2	9587.2
2.5°	9634.7	9549.2	9625.2	9634.7	9618.9	9606.2	9511.3	9429.0	9419.5	9330.9	9330.9
5°	9669.5	9590.4	9628.4	9555.6	9441.6	9324.5	9122.0	8982.7	8919.4	8805.4	8805.4
7.5°	9717.0	9634.7	9590.4	9410.0	9144.1	8887.7	8561.7	8289.5	8178.7	8017.3	8011.0
10°	9761.3	9656.9	9504.9	9153.6	8729.5	8321.2	7846.4	7460.3	7197.5	7004.5	7004.5
12.5°	9758.1	9622.0	9321.4	8802.3	8216.7	7624.8	6991.8	6409.4	6061.3	5760.6	5741.6
15°	9751.8	9565.1	9087.1	8394.0	7618.5	6798.7	5937.8	5178.2	4662.3	4367.9	4342.6
17.5°	9745.5	9492.3	8824.4	7928.7	6890.5	5773.2	4636.9	3814.0	3383.5	3203.1	3209.5
20°	9745.5	9410.0	8542.7	7393.8	6051.8	4545.2	3402.5	2804.3	2696.7	2706.2	2715.7
22.5°	9717.0	9308.7	8229.4	6811.4	5118.0	3342.4	2510.0	2307.4	2364.4	2453.0	2465.6
25°	9650.5	9140.9	7865.4	6165.7	4007.1	2434.0	2047.8	2009.9	2114.3	2225.1	2256.7
27.5°	9546.1	8947.9	7457.1	5409.2	2949.9	1956.1	1801.0	1797.8	1880.1	1962.4	1990.9
30°	9435.3	8732.6	7026.6	4567.3	2136.5	1702.8	1642.7	1642.7	1683.9	1734.5	1728.2
32.5°	9305.5	8514.2	6564.5	3690.6	1740.8	1560.4	1541.4	1531.9	1538.3	1557.3	1557.3
35°	9194.8	8321.2	6089.7	2763.2	1560.4	1481.3	1462.3	1440.1	1430.6	1418.0	1424.3
37.5°	9153.6	8169.2	5599.1	2082.7	1471.8	1424.3	1392.7	1361.0	1338.9	1332.5	1329.4
40°	9220.1	8105.9	5108.5	1715.5	1408.5	1364.2	1329.4	1288.2	1269.2	1269.2	1269.2
42.5°	9479.6	8153.4	4608.5	1550.9	1364.2	1313.5	1262.9	1224.9	1218.6	1224.9	1228.1
45°	9954.4	8337.0	4089.4	1468.6	1326.2	1262.9	1202.8	1174.3	1174.3	1180.6	1180.6
47.5°	10802.6	8818.1	3576.6	1418.0	1288.2	1221.7	1158.4	1130.0	1126.8	1133.1	1133.1
50°	12271.3	9685.3	3114.5	1383.2	1259.7	1190.1	1126.8	1088.8	1079.3	1076.1	1076.1
52.5°	14122.9	11188.8	2820.1	1357.8	1224.9	1155.3	1092.0	1041.3	1022.3	1012.8	1012.8
55°	16360.6	13192.3	2820.1	1338.9	1180.6	1114.1	1041.3	990.7	962.2	949.5	949.5
57.5°	18895.9	15525.0	3307.6	1323.0	1145.8	1066.7	987.5	936.9	905.2	886.2	886.2
60°	21475.5	17990.7	4513.5	1300.9	1114.1	1006.5	927.4	879.9	838.8	816.6	813.4
62.5°	24150.1	20706.4	6102.4	1313.5	1092.0	949.5	864.1	810.3	775.5	753.3	750.1
65°	26599.9	23292.3	7491.9	1411.7	1095.1	898.9	791.3	743.8	715.3	686.8	683.7
67.5°	28679.4	24719.8	6517.0	1611.1	1161.6	838.8	718.5	671.0	645.7	626.7	623.5
70°	27223.4	22542.2	3696.9	1734.5	1253.4	775.5	636.2	604.5	579.2	566.6	563.4
72.5°	23279.7	19085.8	2472.0	1531.9	1142.6	693.2	560.2	534.9	515.9	500.1	496.9
75°	18857.9	15135.7	1889.6	1256.6	889.4	563.4	481.1	462.1	443.1	427.3	424.1
77.5°	11157.1	8745.3	1392.7	993.9	626.7	440.0	398.8	383.0	364.0	351.3	348.2
80°	3560.8	3038.5	883.1	683.7	414.6	338.7	307.0	294.4	275.4	259.5	256.4
82.5°	1357.8	1174.3	468.4	348.2	275.4	231.1	205.7	193.1	180.4	164.6	161.4
85°	601.4	563.4	259.5	186.7	148.8	113.9	101.3	95.0	79.1	66.5	63.3
87.5°	212.1	212.1	110.8	53.8	31.7	15.8	9.5	3.2	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)