

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: P641858

Luminaire Tested: GWS-SA6B-760-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641858
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-760-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21715.4 lumens
Efficiency: N/A
Efficacy: 156.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

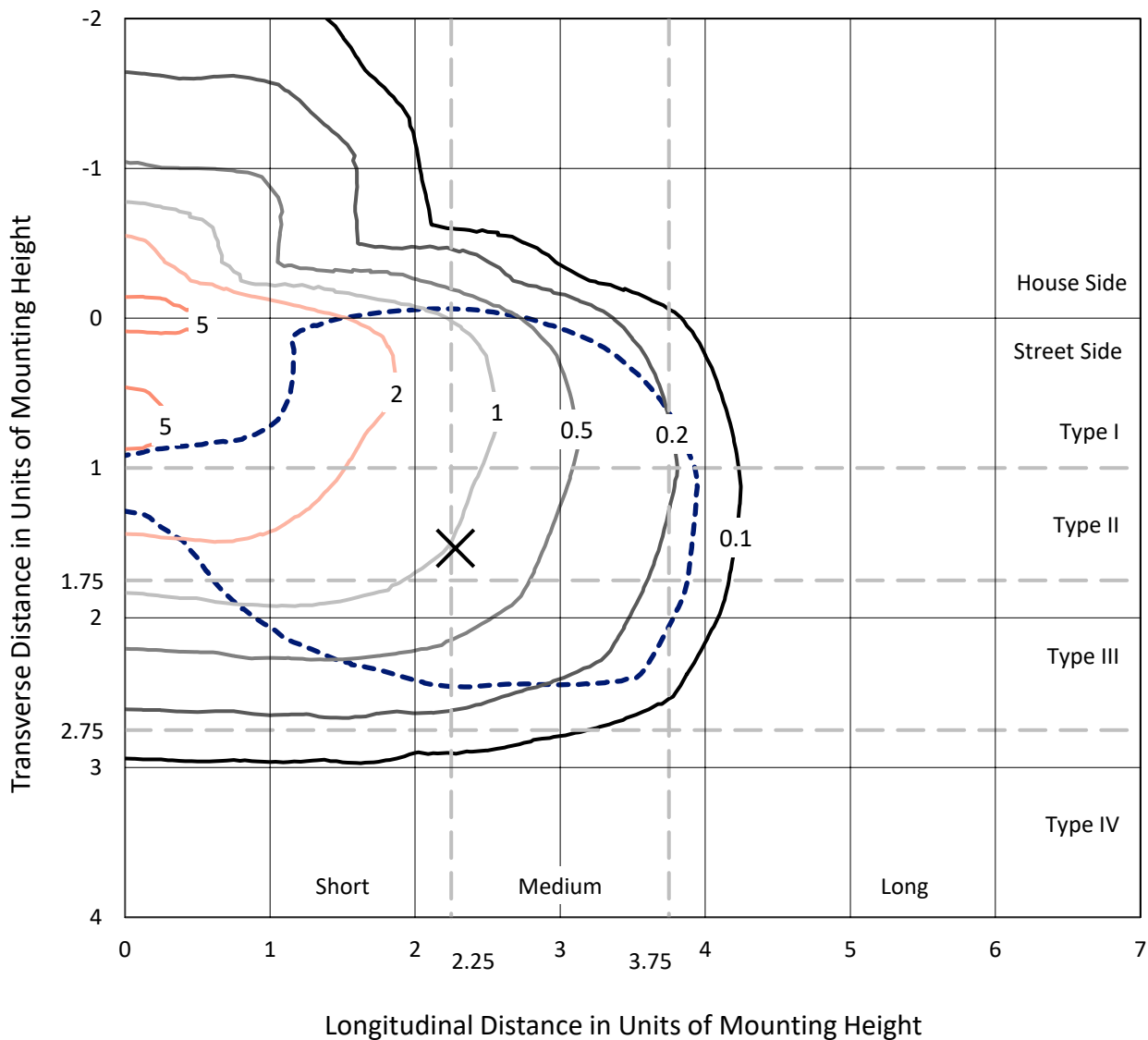
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

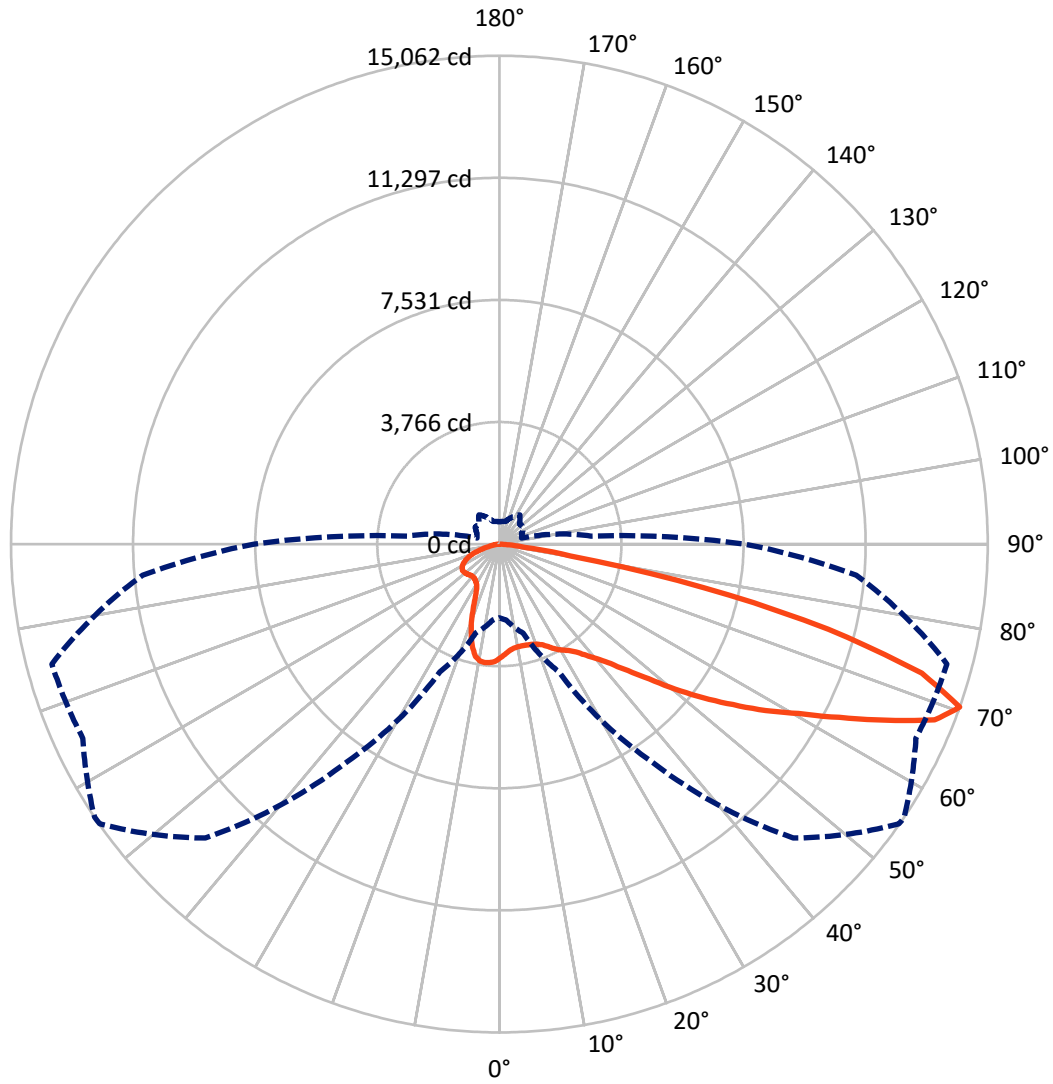
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4174.8	0.0	4174.8
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	17540.6	0.0	17540.6
	% Fixture	80.8	0.0	80.8
Total	Lumens	21715.4	0.0	21715.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.4	1.5
10°-20°	878.9	4.0
20°-30°	1453.0	6.7
30°-40°	2172.5	10.0
40°-50°	3232.9	14.9
50°-60°	4596.3	21.2
60°-70°	5692.7	26.2
70°-80°	3143.3	14.5
80°-90°	221.4	1.0
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°	21715.4	100.0
0°-180°	21715.4	100.0

Coefficient of Utilization



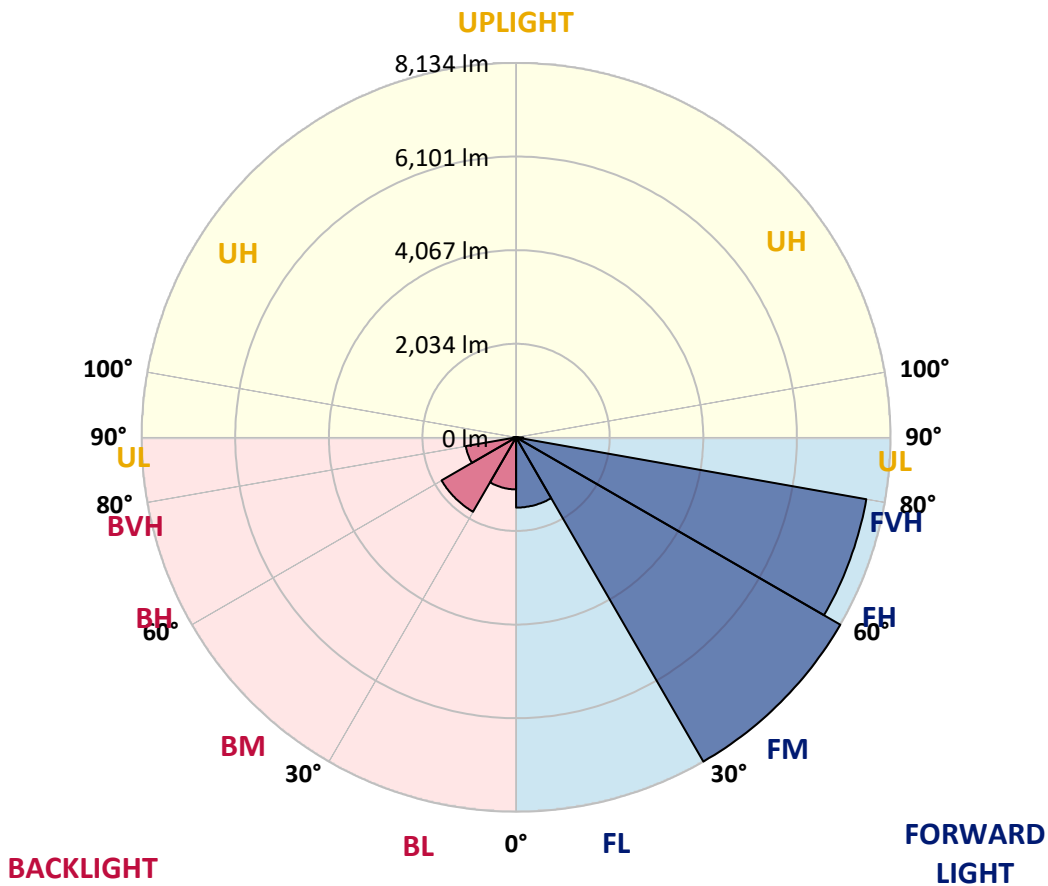
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1526.1	7.0			
FM (30°-60°)	8134.3	37.5			
FH (60°-80°)	7726.4	35.6			G4/12000
FVH (80°-90°)	153.8	0.7			G2/225
BL (0°-30°)	1130.2	5.2	B3/2500		
BM (30°-60°)	1867.5	8.6	B2/2500		
BH (60°-80°)	1109.6	5.1	B3/2500		G3/2500
BVH (80°-90°)	67.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3505.2	3505.2	3505.2	3505.2	3505.2	3505.2	3505.2	3505.2	3505.2	3505.2	3505.2
2.5°	3280.1	3261.7	3283.2	3293.9	3321.4	3361.3	3396.5	3398.0	3416.4	3460.8	3503.7
5°	3131.6	3122.4	3128.5	3160.7	3189.7	3240.3	3293.9	3298.5	3350.5	3437.8	3523.6
7.5°	3016.7	3004.5	3027.4	3068.8	3105.5	3162.2	3232.6	3238.7	3312.3	3443.9	3575.6
10°	2851.3	2842.1	2885.0	2940.1	3019.8	3113.2	3206.6	3214.2	3310.7	3483.8	3667.5
12.5°	2779.4	2779.4	2797.7	2849.8	2937.1	3061.1	3202.0	3214.2	3335.2	3545.0	3785.4
15°	2891.1	2898.8	2883.5	2880.4	2915.6	3033.6	3208.1	3226.5	3381.2	3607.8	3901.8
17.5°	3116.2	3123.9	3084.1	3021.3	2986.1	3059.6	3231.1	3251.0	3430.2	3676.7	4027.4
20°	3431.7	3440.9	3353.6	3257.1	3136.2	3134.6	3275.5	3293.9	3492.9	3751.7	4160.6
22.5°	3800.7	3806.9	3696.6	3543.5	3358.2	3274.0	3352.1	3370.4	3574.1	3855.9	4304.6
25°	4228.0	4246.4	4113.1	3891.1	3640.0	3465.4	3479.2	3500.6	3719.6	3995.2	4474.5
27.5°	4684.3	4707.3	4554.2	4309.1	3963.1	3676.7	3643.0	3661.4	3874.2	4081.0	4564.9
30°	5151.4	5168.2	5015.1	4734.9	4310.7	3915.6	3780.8	3791.6	3941.6	4122.3	4656.8
32.5°	5670.5	5656.7	5509.7	5186.6	4711.9	4202.0	3909.5	3906.4	4016.7	4205.0	4788.4
35°	6157.5	6177.4	6021.2	5664.4	5152.9	4555.7	4102.4	4090.2	4175.9	4339.8	4973.7
37.5°	6747.0	6740.9	6554.1	6168.2	5595.5	4894.1	4373.5	4352.0	4382.6	4549.6	5232.5
40°	7168.1	7211.0	7090.0	6730.2	6113.0	5310.6	4690.4	4643.0	4650.6	4808.4	5578.6
42.5°	7512.7	7552.5	7564.7	7335.0	6705.7	5825.2	5085.5	5038.1	5042.6	5266.2	6004.3
45°	7777.6	7831.2	8004.2	7936.8	7373.3	6419.3	5620.0	5571.0	5574.0	5822.1	6518.8
47.5°	7886.3	7944.5	8295.2	8456.0	8082.3	7129.8	6284.6	6212.6	6223.3	6497.4	7106.9
50°	7851.1	7929.2	8403.9	8855.6	8676.5	7852.6	7079.3	7028.8	6987.4	7385.6	7745.4
52.5°	7547.9	7633.6	8393.2	9109.8	9161.9	8535.6	7900.1	7871.0	7861.8	8328.9	8459.0
55°	6655.1	6799.1	8024.1	9177.2	9541.7	9178.8	8789.8	8740.8	8788.3	9339.5	9180.3
57.5°	6160.5	6267.7	7301.4	9102.2	9852.5	9791.3	9678.0	9682.6	9736.2	10437.5	10054.7
60°	5878.8	6004.3	6900.1	8897.0	10151.1	10535.5	10607.5	10607.5	10704.0	11621.2	10942.8
62.5°	5505.1	5632.2	6525.0	8501.9	10426.8	11411.4	11775.9	11771.3	11809.6	12890.7	11811.1
65°	4747.1	4865.0	5771.6	7878.7	10561.5	12376.2	13103.5	13089.8	13013.2	14020.8	12385.3
67.5°	3447.0	3558.8	4420.9	6693.4	10076.1	13154.1	14471.0	14477.1	14019.3	14732.9	12416.0
70°	2272.5	2349.1	2842.1	4347.4	8194.1	12818.7	15043.7	15062.1	14173.9	14288.8	11050.0
72.5°	1418.0	1471.6	1774.8	2592.5	4842.0	10146.5	13573.7	13624.2	12751.3	12556.9	9079.2
75°	941.8	978.5	1180.7	1511.4	2240.3	5491.3	10318.1	10480.4	10220.1	9843.3	6325.9
77.5°	566.6	597.2	751.9	960.1	992.3	2145.4	6022.7	6442.3	6479.0	5139.1	2649.2
80°	258.8	294.0	415.0	548.2	528.3	747.3	2123.9	2222.0	2621.6	1632.4	836.1
82.5°	153.1	168.4	275.6	272.6	225.1	362.9	764.1	784.0	666.1	597.2	356.8
85°	61.3	72.0	116.4	102.6	82.7	117.9	287.9	301.7	289.4	260.3	131.7
87.5°	0.0	0.0	0.0	0.0	1.5	3.1	26.0	27.6	39.8	72.0	39.8
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°	3505.2	3505.2	3505.2	3505.2	3505.2	3505.2	3505.2	3505.2	3505.2	3505.2	3505.2
2.5°	3531.2	3522.0	3568.0	3603.2	3618.5	3633.8	3620.0	3615.5	3615.5	3584.8	3569.5
5°	3569.5	3574.1	3636.9	3666.0	3666.0	3653.7	3617.0	3591.0	3581.8	3542.0	3531.2
7.5°	3641.5	3661.4	3719.6	3718.1	3675.2	3607.8	3515.9	3445.5	3381.2	3353.6	3336.8
10°	3759.4	3785.4	3825.2	3760.9	3641.5	3463.9	3269.4	3116.2	3024.4	2950.9	2950.9
12.5°	3894.2	3918.7	3911.0	3762.5	3515.9	3183.6	2903.4	2727.3	2598.7	2531.3	2531.3
15°	4028.9	4048.8	3966.1	3692.0	3254.1	2811.5	2505.2	2293.9	2182.1	2119.4	2119.4
17.5°	4165.2	4163.7	3989.1	3529.7	2912.6	2399.6	2099.4	1935.6	1897.3	1886.6	1885.1
20°	4296.9	4261.7	3960.0	3258.7	2516.0	1984.6	1794.7	1805.4	1862.1	1886.6	1889.7
22.5°	4445.4	4358.1	3874.2	2912.6	2065.8	1696.7	1709.0	1797.8	1880.5	1917.2	1921.8
25°	4597.0	4440.8	3730.3	2506.8	1689.0	1591.0	1686.0	1785.5	1878.9	1926.4	1931.0
27.5°	4658.3	4440.8	3485.3	2036.7	1488.4	1546.6	1650.8	1747.2	1845.2	1900.4	1911.1
30°	4708.8	4402.6	3142.3	1612.5	1405.8	1503.8	1594.1	1682.9	1779.4	1846.8	1859.0
32.5°	4779.3	4368.9	2727.3	1355.2	1367.5	1462.4	1525.2	1600.2	1687.5	1731.9	1727.3
35°	4862.0	4316.8	2226.5	1232.7	1335.3	1427.2	1471.6	1516.0	1476.2	1474.7	1479.3
37.5°	4979.9	4270.9	1790.1	1177.6	1313.9	1402.7	1439.4	1344.5	1289.4	1266.4	1257.2
40°	5149.8	4252.5	1411.9	1145.4	1310.8	1401.2	1375.1	1228.1	1153.1	1073.5	1071.9
42.5°	5364.2	4238.7	1166.9	1130.1	1321.5	1436.4	1286.3	1151.6	996.9	961.7	958.6
45°	5639.9	4217.3	1044.4	1127.1	1347.6	1463.9	1277.1	1045.9	940.2	924.9	924.9
47.5°	5972.2	4183.6	989.2	1127.1	1376.7	1451.7	1249.6	1022.9	914.2	931.0	941.8
50°	6353.5	4140.7	960.1	1124.0	1405.8	1451.7	1191.4	1018.3	908.1	995.4	1030.6
52.5°	6760.8	4091.7	940.2	1111.7	1425.7	1453.2	1194.4	1033.6	914.2	1010.7	1039.8
55°	7211.0	4084.0	912.7	1085.7	1431.8	1413.4	1202.1	1067.3	923.4	915.7	917.3
57.5°	7779.1	4175.9	892.8	1047.4	1407.3	1332.3	1217.4	1091.8	912.7	914.2	924.9
60°	8373.3	4349.0	909.6	1010.7	1356.8	1255.7	1228.1	1079.6	860.6	836.1	839.2
62.5°	8878.6	4480.7	923.4	993.8	1283.2	1188.3	1217.4	1052.0	831.5	825.4	839.2
65°	9089.9	4371.9	889.7	958.6	1176.1	1105.6	1194.4	1016.8	807.0	784.0	785.6
67.5°	8855.6	3862.0	823.9	880.5	1055.1	1000.0	1157.7	970.9	773.3	745.8	739.6
70°	7564.7	2837.5	710.5	756.5	908.1	875.9	1101.0	911.1	719.7	699.8	686.0
72.5°	6096.2	2009.1	589.6	601.8	712.1	738.1	1003.0	836.1	658.5	601.8	581.9
75°	4243.3	1261.8	491.6	479.3	514.5	563.5	782.5	693.7	568.1	508.4	490.0
77.5°	1825.3	647.7	384.4	378.2	343.0	390.5	600.3	578.8	476.2	407.3	396.6
80°	611.0	375.2	277.2	266.5	228.2	274.1	422.6	462.5	373.6	301.7	283.3
82.5°	306.3	217.4	176.1	159.3	153.1	173.0	249.6	287.9	258.8	208.3	176.1
85°	150.1	124.0	96.5	94.9	79.6	75.0	104.1	122.5	116.4	85.8	81.2
87.5°	55.1	49.0	30.6	24.5	15.3	10.7	6.1	6.1	4.6	4.6	4.6
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)