

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: P642671

Luminaire Tested: GWS-SA6D-735-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642671
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-735-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35053.4 lumens
Efficiency: N/A
Efficacy: 142.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

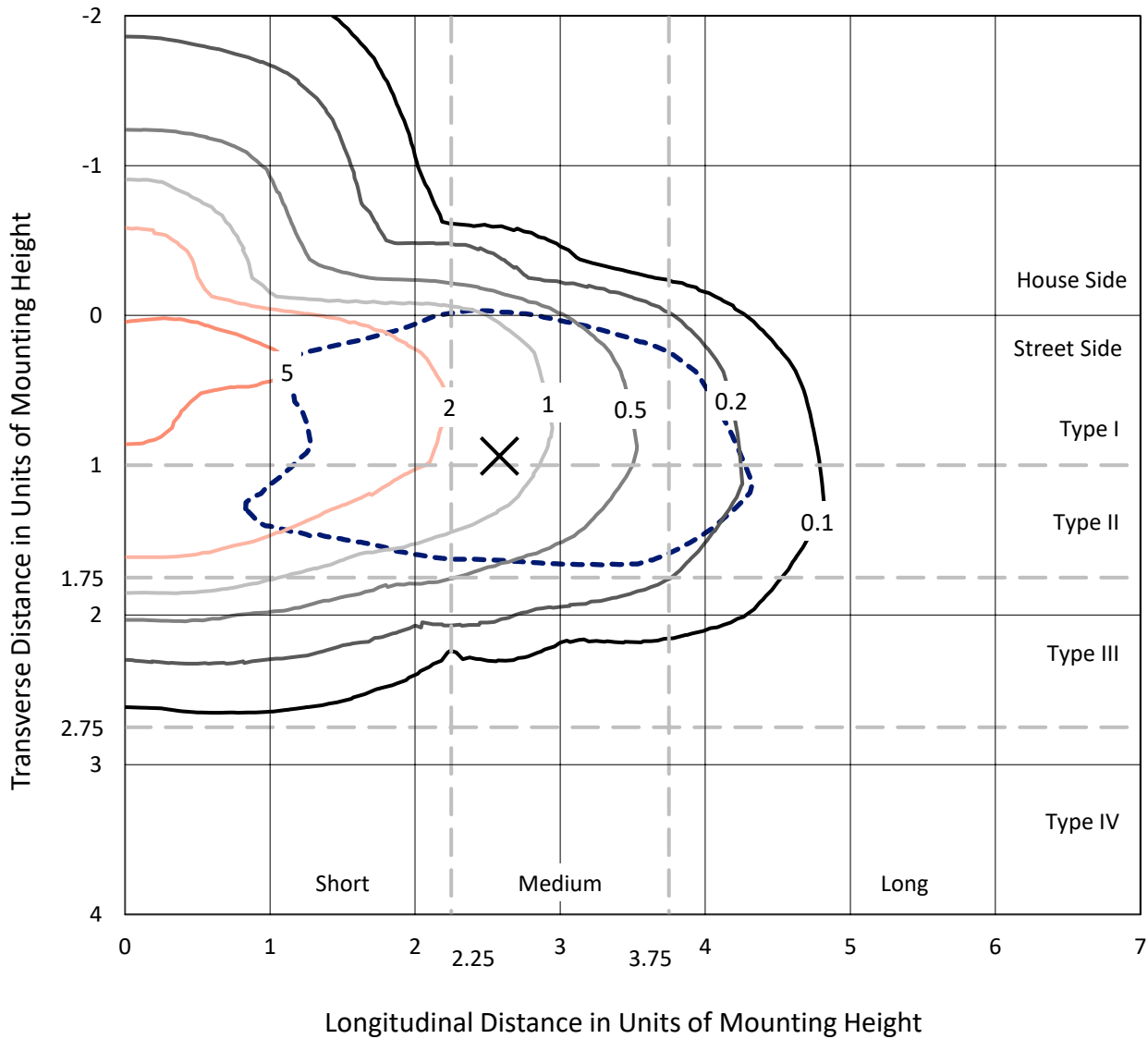
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642671
 CATALOG NUMBER: GWS-SA6D-735-U-T2-W

Iso-Footcandle Lines of Horizontal Illumination

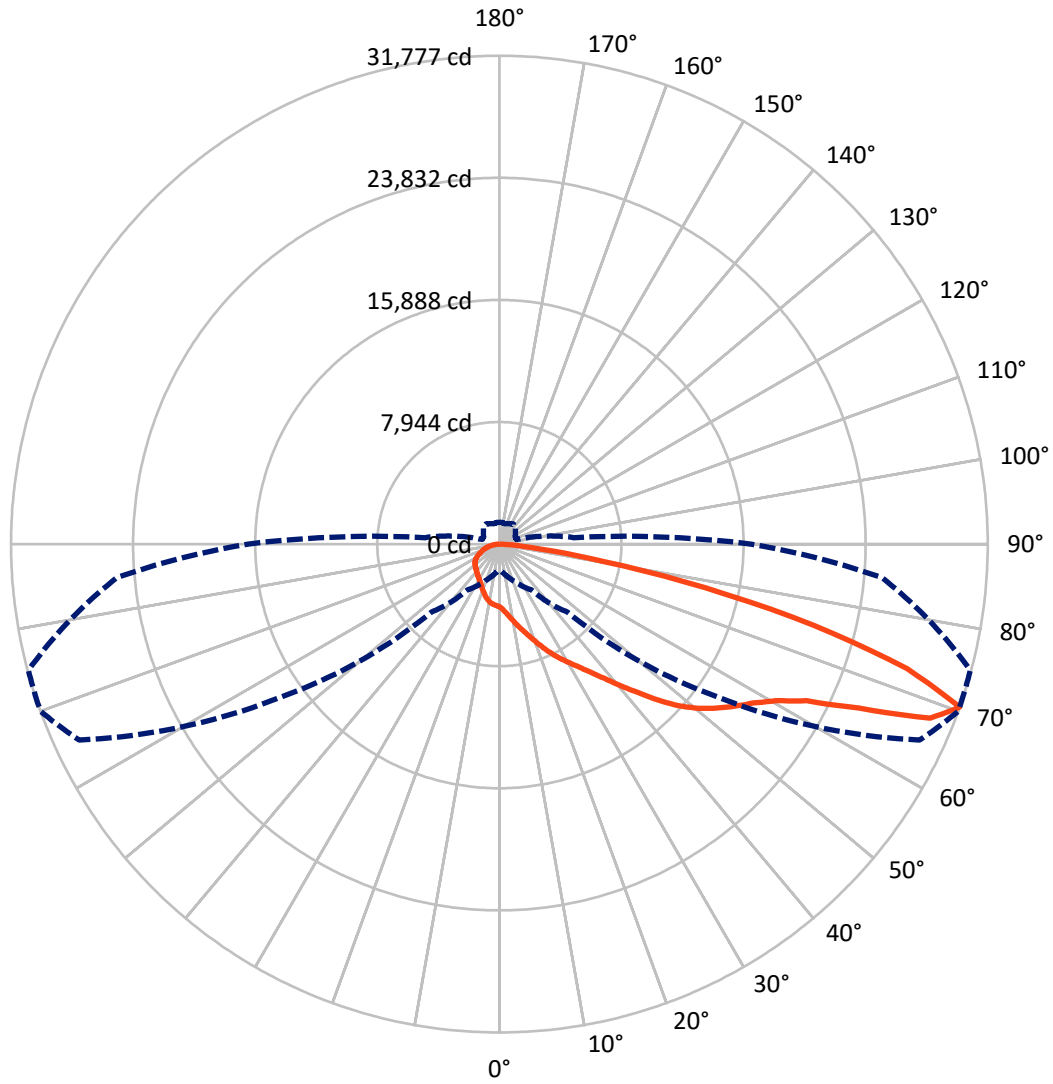
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.6 fc
 Type II - Medium - N/A

REPORT NUMBER: P642671
CATALOG NUMBER: GWS-SA6D-735-U-T2-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P642671

CATALOG NUMBER: GWS-SA6D-735-U-T2-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6281.7	0.0	6281.7
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	28771.7	0.0	28771.7
	% Fixture	82.1	0.0	82.1
Total	Lumens	35053.4	0.0	35053.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	415.5	1.2
10°-20°	1351.6	3.9
20°-30°	2394.4	6.8
30°-40°	3603.6	10.3
40°-50°	5451.9	15.6
50°-60°	7810.1	22.3
60°-70°	8633.2	24.6
70°-80°	4871.9	13.9
80°-90°	521.1	1.5
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°	35053.4	100.0
0°-180°	35053.4	100.0

Coefficient of Utilization



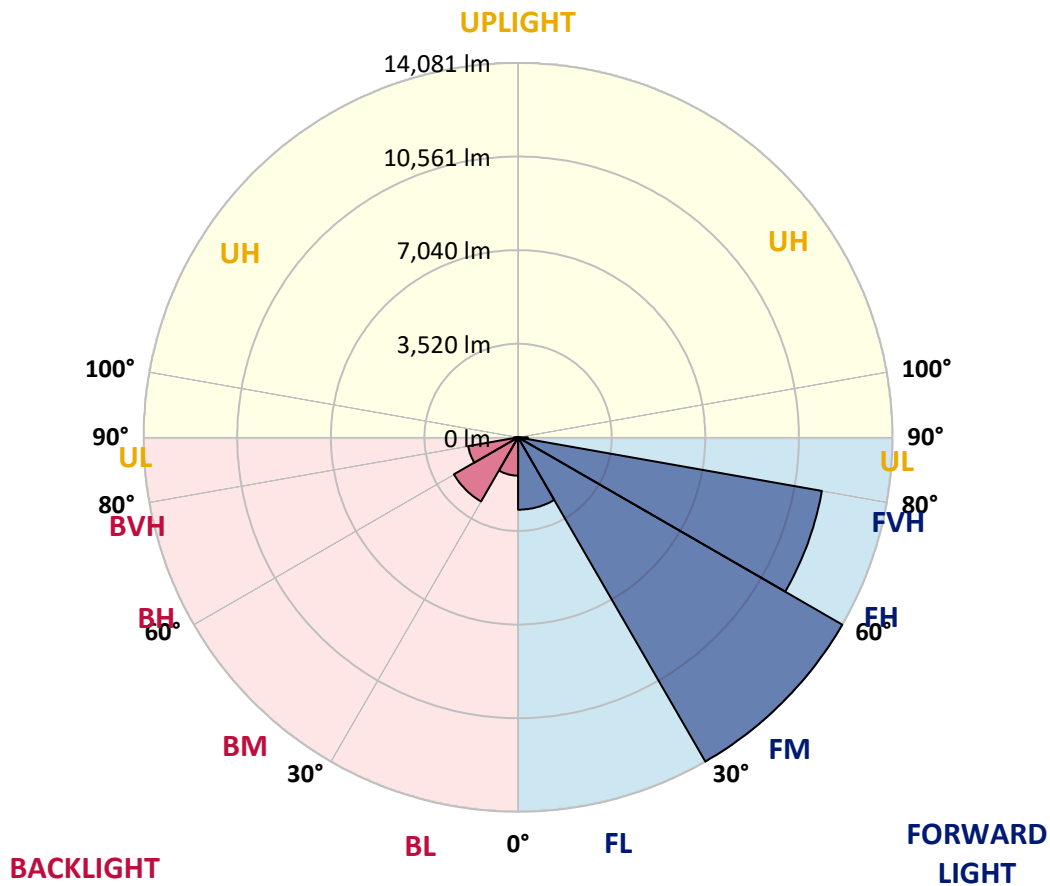
REPORT NUMBER: P642671

CATALOG NUMBER: GWS-SA6D-735-U-T2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2721.2	7.8			
FM (30°-60°)	14080.9	40.2			
FH (60°-80°)	11601.2	33.1			G4/12000
FVH (80°-90°)	368.4	1.1			G3/500
BL (0°-30°)	1440.3	4.1	B3/2500		
BM (30°-60°)	2784.7	7.9	B3/5000		
BH (60°-80°)	1903.9	5.4	B3/2500		G3/2500
BVH (80°-90°)	152.7	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Medium





REPORT NUMBER: P642671

CATALOG NUMBER: GWS-SA6D-735-U-T2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	4088.0	4088.0	4088.0	4088.0	4088.0	4088.0	4088.0	4088.0	4088.0	4088.0	4088.0
2.5°	4528.7	4521.1	4526.1	4521.1	4493.2	4424.8	4369.1	4298.2	4250.1	4222.2	4156.3
5°	5060.6	5053.0	5035.2	5009.9	4959.2	4865.5	4726.2	4571.7	4478.0	4407.1	4267.8
7.5°	5443.0	5443.0	5440.5	5410.1	5374.6	5275.8	5111.2	4908.6	4771.8	4650.2	4422.3
10°	5638.0	5650.7	5668.4	5711.5	5703.9	5650.7	5496.2	5278.4	5106.1	4964.3	4624.9
12.5°	5744.4	5752.0	5782.4	5871.0	5962.2	5974.9	5883.7	5655.8	5468.3	5278.4	4850.3
15°	5881.2	5883.7	5924.2	6030.6	6164.9	6299.1	6276.3	6048.3	5855.9	5645.6	5101.1
17.5°	5987.6	6005.3	6078.7	6202.8	6370.0	6554.9	6666.4	6524.5	6286.4	6045.8	5374.6
20°	6025.6	6038.2	6134.5	6324.4	6552.4	6813.3	7061.5	7023.5	6782.9	6499.2	5683.6
22.5°	6162.3	6162.3	6233.2	6392.8	6661.3	7041.2	7443.9	7542.7	7329.9	6998.1	6015.4
25°	6463.7	6453.6	6486.5	6552.4	6755.0	7223.6	7821.3	8117.7	7879.6	7507.2	6347.2
27.5°	6876.6	6871.5	6869.0	6879.1	6947.5	7383.1	8140.4	8654.6	8416.5	7996.1	6643.6
30°	7324.9	7309.7	7342.6	7312.2	7297.0	7573.1	8411.5	9135.8	8950.9	8479.8	6889.2
32.5°	7935.3	7907.4	7899.8	7801.0	7740.3	7869.4	8629.3	9682.9	9536.0	9001.6	7165.3
35°	8740.7	8715.4	8586.2	8429.2	8249.4	8310.1	8900.3	10217.3	10227.5	9655.1	7527.5
37.5°	9553.8	9558.8	9457.5	9087.7	8902.8	8867.4	9313.1	10868.3	11086.1	10435.2	7996.1
40°	10230.0	10260.4	10260.4	9870.4	9594.3	9561.4	9893.1	11640.8	12073.9	11392.6	8588.8
42.5°	10744.2	10772.0	10860.7	10579.5	10288.3	10402.2	10597.3	12415.8	13193.4	12575.4	9338.5
45°	11309.0	11331.8	11379.9	11217.8	11048.1	11352.0	11395.1	13342.8	14475.0	13902.6	10209.7
47.5°	12058.7	12038.4	12043.5	11924.5	11792.8	12284.1	12274.0	14122.9	15713.5	15356.4	11154.5
50°	12990.8	13028.8	12993.3	12757.8	12603.3	13051.6	13109.8	14986.6	16802.6	16795.1	12106.8
52.5°	13887.4	13902.6	14090.0	14100.1	13783.5	13689.8	13841.8	15857.9	17722.1	18112.1	13021.2
55°	13933.0	13991.2	14553.5	14958.8	15470.4	14718.1	14581.4	16688.7	18611.1	19401.3	13971.0
57.5°	12962.9	13056.6	14011.5	14885.3	16308.8	16483.5	15847.8	17762.6	19500.1	20670.2	15070.2
60°	10891.1	11086.1	12382.9	13720.2	15931.4	17752.5	18438.8	19221.5	20667.7	21967.0	16405.0
62.5°	6955.1	7031.1	8849.6	11088.6	14231.8	17628.3	21260.4	21792.3	22445.7	23656.4	18461.6
65°	3482.6	3725.8	4792.1	6618.2	10262.9	15533.7	22686.4	26500.8	25700.4	26548.9	21794.8
67.5°	2363.1	2441.6	2981.1	3976.5	6018.0	11005.1	21802.4	30467.1	30231.6	30370.9	25348.3
70°	1742.6	1793.2	2218.7	2816.5	3639.6	6248.4	17357.3	30168.3	31776.6	31726.0	24976.0
72.5°	1271.5	1296.8	1618.5	2150.4	2697.4	3231.9	10599.8	24370.7	27739.3	29200.7	21842.9
75°	924.5	954.9	1124.6	1608.3	2097.2	2016.1	5232.8	17603.0	21154.0	23965.4	17795.5
77.5°	688.9	726.9	805.4	1008.1	1469.0	1443.7	2261.8	11430.6	13682.2	15652.8	10810.0
80°	496.4	504.0	549.6	645.9	932.1	846.0	1076.4	5959.7	6833.5	7487.0	4237.4
82.5°	301.4	309.0	367.3	397.7	577.5	531.9	559.8	1930.0	2765.8	2935.5	1583.0
85°	88.6	93.7	167.2	182.4	240.6	228.0	225.4	785.2	937.1	1198.0	623.1
87.5°	0.0	0.0	0.0	0.0	2.5	15.2	27.9	139.3	210.2	291.3	152.0
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: P642671
 CATALOG NUMBER: GWS-SA6D-735-U-T2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4088.0	4088.0	4088.0	4088.0	4088.0	4088.0	4088.0	4088.0	4088.0	4088.0	4088.0
2.5°	4131.0	4072.8	4042.4	3989.2	3951.2	3913.2	3875.2	3839.7	3824.5	3801.7	3806.8
5°	4204.5	4113.3	4022.1	3918.3	3829.6	3756.2	3690.3	3632.0	3606.7	3583.9	3594.1
7.5°	4315.9	4179.1	4004.4	3814.4	3675.1	3573.8	3505.4	3464.9	3452.2	3434.5	3434.5
10°	4457.7	4252.6	3946.1	3675.1	3507.9	3426.9	3396.5	3394.0	3406.6	3409.2	3404.1
12.5°	4614.8	4323.5	3860.0	3510.5	3368.6	3343.3	3366.1	3409.2	3452.2	3475.0	3469.9
15°	4776.9	4369.1	3713.1	3353.4	3267.3	3300.2	3373.7	3459.8	3543.4	3586.5	3583.9
17.5°	4928.8	4379.2	3523.1	3201.5	3178.7	3262.3	3388.9	3523.1	3637.1	3697.9	3700.4
20°	5098.5	4361.5	3328.1	3064.7	3090.0	3226.8	3394.0	3556.1	3690.3	3751.1	3766.3
22.5°	5253.0	4300.7	3138.1	2935.5	3014.0	3183.7	3353.4	3505.4	3624.4	3682.7	3703.0
25°	5392.3	4184.2	2930.5	2826.6	2955.8	3123.0	3252.1	3358.5	3442.1	3477.5	3505.4
27.5°	5468.3	4009.4	2773.4	2740.5	2900.1	3036.8	3107.8	3140.7	3168.5	3158.4	3178.7
30°	5483.5	3791.6	2636.7	2672.1	2816.5	2917.8	2933.0	2900.1	2851.9	2773.4	2791.2
32.5°	5468.3	3540.9	2522.7	2598.7	2722.8	2783.6	2763.3	2677.2	2560.7	2439.1	2446.7
35°	5473.4	3287.6	2429.0	2517.6	2613.9	2646.8	2596.1	2477.1	2353.0	2241.5	2236.5
37.5°	5529.1	3074.8	2350.4	2439.1	2507.5	2512.5	2456.8	2332.7	2269.4	2185.8	2175.7
40°	5683.6	2917.8	2279.5	2360.6	2403.6	2401.1	2337.8	2249.1	2292.2	2264.3	2256.7
42.5°	5936.9	2821.5	2221.3	2277.0	2307.4	2312.5	2261.8	2206.1	2299.8	2264.3	2251.7
45°	6344.7	2816.5	2180.7	2193.4	2241.5	2277.0	2241.5	2178.2	2213.7	2041.4	2008.5
47.5°	6828.5	2902.6	2150.4	2120.0	2203.5	2266.9	2211.1	2109.8	2036.4	1879.3	1856.5
50°	7411.0	3077.4	2122.5	2041.4	2147.8	2228.9	2173.1	2033.8	1922.4	1838.8	1826.2
52.5°	8102.5	3307.8	2087.0	1952.8	2064.2	2208.6	2173.1	2026.2	1879.3	1803.4	1790.7
55°	8826.8	3573.8	2046.5	1846.4	1970.5	2213.7	2190.9	1973.1	1846.4	1805.9	1795.8
57.5°	9726.0	3892.9	1973.1	1722.3	1886.9	2168.1	2120.0	1942.7	1823.6	1790.7	1780.6
60°	10893.6	4366.6	1833.8	1595.7	1790.7	2087.0	2056.6	1892.0	1762.8	1735.0	1727.4
62.5°	12742.6	5169.5	1664.1	1474.1	1676.7	1917.3	1962.9	1795.8	1686.9	1684.3	1681.8
65°	15756.6	6134.5	1464.0	1365.2	1557.7	1778.0	1838.8	1697.0	1608.3	1636.2	1633.7
67.5°	17869.0	6218.0	1299.3	1251.2	1418.4	1626.1	1714.7	1595.7	1499.4	1552.6	1550.1
70°	16367.0	4850.3	1157.5	1132.2	1268.9	1461.4	1580.5	1469.0	1372.8	1423.4	1413.3
72.5°	13803.8	3718.2	1023.3	1008.1	1117.0	1289.2	1408.2	1342.4	1241.1	1241.1	1218.3
75°	11093.7	3067.2	881.4	873.8	947.3	1114.4	1248.7	1137.2	1043.5	1038.5	1023.3
77.5°	6362.4	2011.0	739.6	734.5	757.3	932.1	970.1	947.3	876.4	843.4	833.3
80°	2535.3	1046.0	582.5	549.6	572.4	683.9	764.9	726.9	666.1	625.6	602.8
82.5°	982.7	524.3	410.3	359.7	392.6	493.9	554.7	542.0	501.5	410.3	385.0
85°	400.2	255.8	245.7	207.7	228.0	265.9	319.1	276.1	228.0	162.1	154.5
87.5°	106.4	93.7	91.2	55.7	43.1	12.7	2.5	0.0	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)