

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: P642227

Luminaire Tested: GWS-SA6C-740-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-740-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28342.8 lumens
Efficiency: N/A
Efficacy: 149.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B4 - U0 - G4

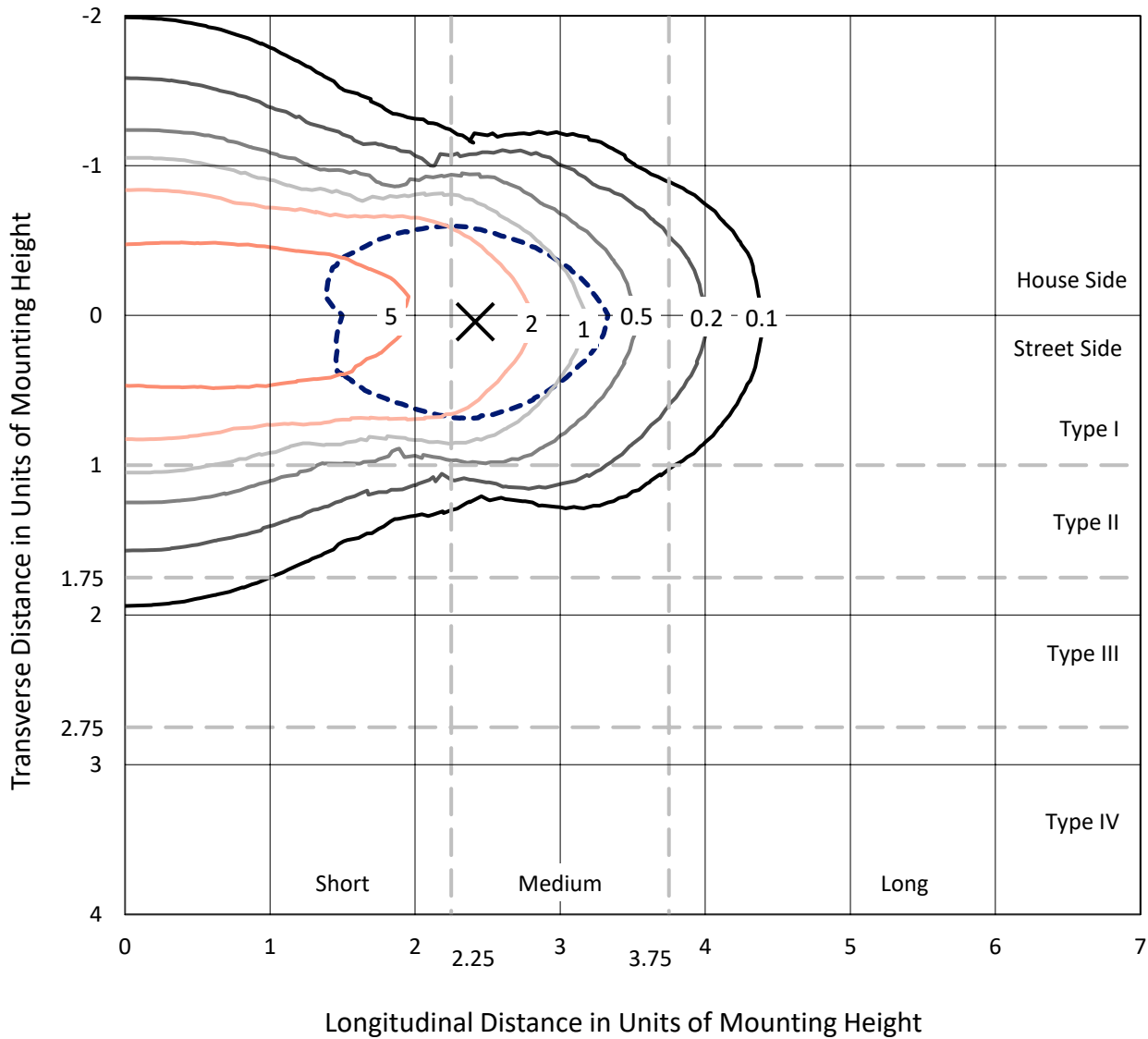
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642227
 CATALOG NUMBER: GWS-SA6C-740-U-T1-W

Iso-Footcandle Lines of Horizontal Illumination

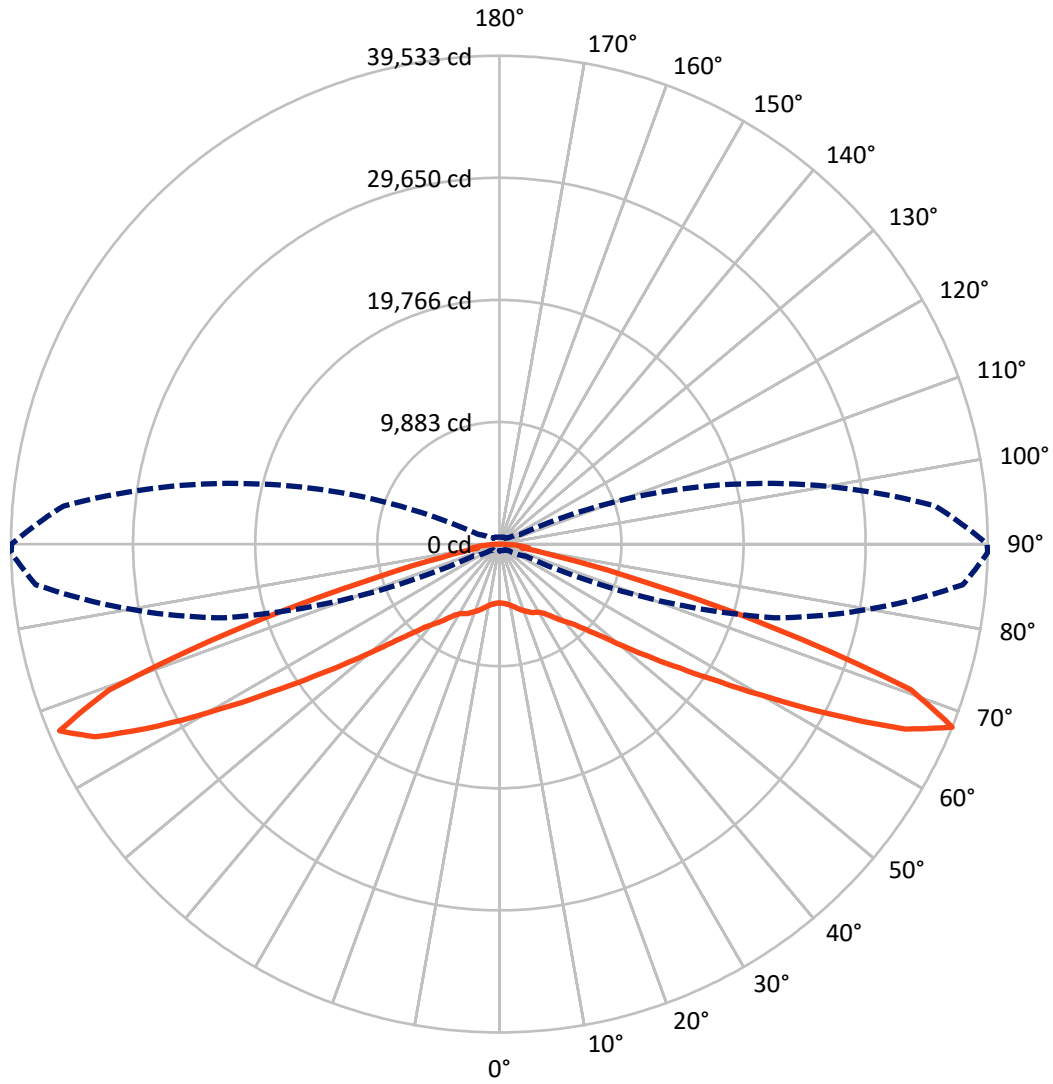
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type I - Medium - N/A

REPORT NUMBER: P642227
CATALOG NUMBER: GWS-SA6C-740-U-T1-W

Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P642227

CATALOG NUMBER: GWS-SA6C-740-U-T1-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14047.2	0.0	14047.2
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	14295.6	0.0	14295.6
	% Fixture	50.4	0.0	50.4
Total	Lumens	28342.8	0.0	28342.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	477.2	1.7
10°-20°	1553.8	5.5
20°-30°	2626.6	9.3
30°-40°	3604.6	12.7
40°-50°	4596.7	16.2
50°-60°	5767.2	20.3
60°-70°	6955.8	24.5
70°-80°	2516.4	8.9
80°-90°	244.7	0.9
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°	28342.8	100.0
0°-180°	28342.8	100.0

Coefficient of Utilization



REPORT NUMBER: P642227

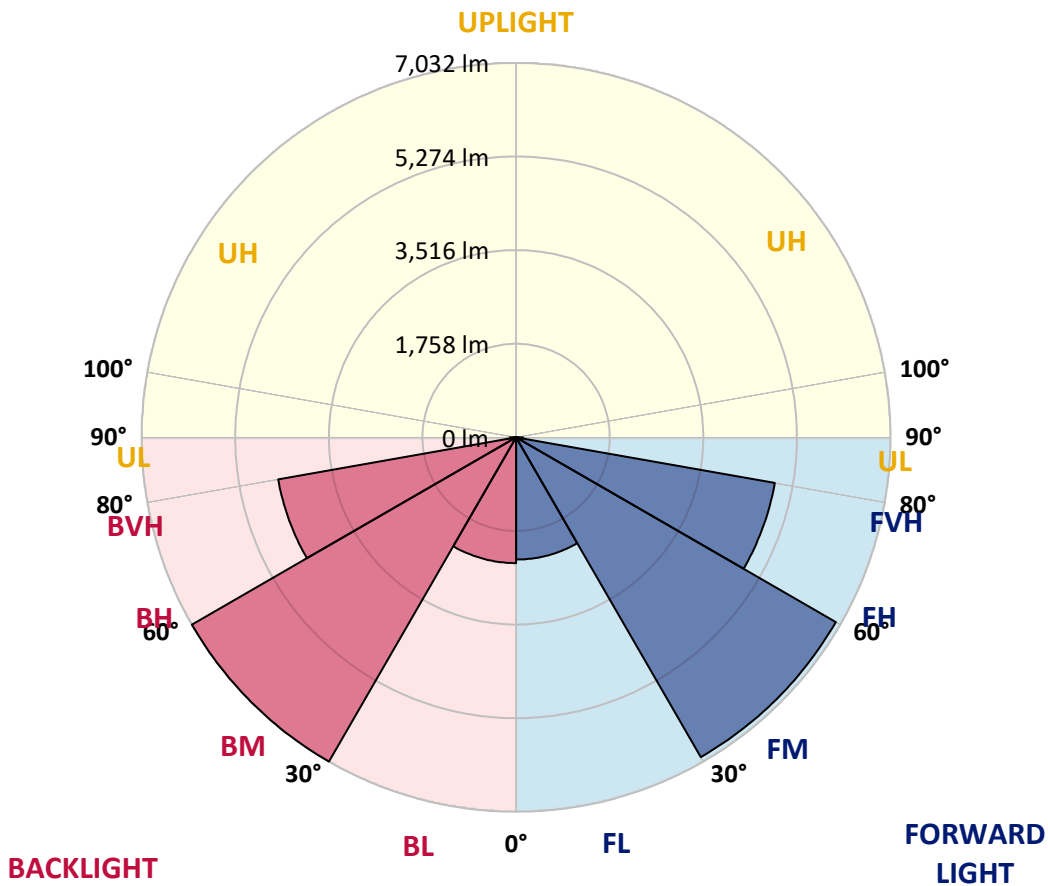
CATALOG NUMBER: GWS-SA6C-740-U-T1-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2295.5	8.1			
FM (30°-60°)	6936.0	24.5			
FH (60°-80°)	4934.9	17.4			G2/5000
FVH (80°-90°)	129.1	0.5			G2/225
BL (0°-30°)	2361.9	8.3	B3/2500		
BM (30°-60°)	7032.4	24.8	B4/8500		
BH (60°-80°)	4537.2	16.0	B4/5000		G4/5000
BVH (80°-90°)	115.6	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Medium





REPORT NUMBER: P642227
 CATALOG NUMBER: GWS-SA6C-740-U-T1-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	4757.1	4757.1	4757.1	4757.1	4757.1	4757.1	4757.1	4757.1	4757.1	4757.1	4757.1
2.5°	4771.4	4767.3	4757.1	4787.6	4781.5	4783.6	4795.8	4787.6	4773.4	4749.0	4783.6
5°	4905.7	4903.7	4881.3	4899.6	4879.2	4865.0	4863.0	4842.6	4826.3	4799.9	4836.5
7.5°	5036.0	5033.9	5015.6	5048.2	5031.9	5015.6	4997.3	4956.6	4917.9	4879.2	4920.0
10°	5135.7	5133.7	5129.6	5176.4	5180.5	5186.6	5178.5	5109.3	5042.1	4995.3	5036.0
12.5°	5192.7	5198.8	5209.0	5294.5	5337.2	5378.0	5388.1	5331.1	5219.2	5152.0	5200.9
15°	5154.0	5166.3	5217.1	5371.9	5489.9	5581.5	5620.2	5573.4	5428.8	5316.9	5371.9
17.5°	4968.8	4979.0	5078.7	5314.9	5575.4	5787.1	5850.2	5821.7	5660.9	5524.5	5577.4
20°	4712.3	4734.7	4842.6	5172.4	5561.2	5929.6	6098.5	6088.4	5913.3	5703.6	5766.7
22.5°	4480.3	4506.7	4620.7	4985.1	5465.5	5966.2	6348.9	6375.4	6143.3	5882.8	5933.7
25°	4219.7	4244.1	4390.7	4763.2	5300.6	5937.7	6562.7	6682.8	6403.9	6088.4	6135.2
27.5°	3953.1	3971.4	4115.9	4512.8	5084.8	5884.8	6731.6	7020.7	6660.4	6230.9	6263.4
30°	3719.0	3743.4	3875.7	4262.5	4848.7	5779.0	6870.0	7381.0	6955.5	6391.7	6418.1
32.5°	3493.0	3513.4	3657.9	4016.2	4598.3	5616.1	6994.2	7804.3	7393.2	6690.9	6690.9
35°	3208.0	3244.7	3407.5	3780.0	4362.2	5400.3	7083.8	8297.0	7991.6	7132.6	7134.6
37.5°	2945.5	2965.8	3136.8	3513.4	4113.9	5156.1	7091.9	8807.9	8748.8	7694.4	7698.5
40°	2646.2	2672.7	2855.9	3228.4	3828.9	4899.6	7014.5	9284.2	9542.7	8272.5	8250.1
42.5°	2342.9	2381.6	2556.7	2921.0	3521.5	4586.1	6809.0	9738.1	10550.3	8942.2	8887.3
45°	2049.8	2074.2	2249.3	2593.3	3169.4	4211.6	6479.2	10173.7	11747.2	9960.0	9880.6
47.5°	1720.1	1730.2	1911.4	2241.2	2805.0	3794.3	6006.9	10562.5	13062.2	11307.6	11171.2
50°	1426.9	1441.2	1583.7	1866.6	2359.2	3299.6	5418.7	10790.5	14737.5	13145.7	12909.5
52.5°	1154.2	1168.4	1282.4	1508.4	1950.1	2735.8	4689.9	10737.6	16437.2	15427.5	15083.5
55°	932.3	942.5	1019.8	1196.9	1534.8	2176.0	3828.9	10263.3	18324.1	18407.6	17666.7
57.5°	787.8	791.8	844.8	952.6	1198.9	1677.3	2955.6	9143.7	20302.7	22210.0	20992.8
60°	704.3	706.3	730.8	797.9	946.5	1280.4	2165.8	7360.6	22352.5	26967.1	25298.0
62.5°	651.4	651.4	671.7	710.4	785.7	985.2	1591.8	5286.4	23824.2	32143.6	30484.6
65°	600.5	600.5	614.7	647.3	688.0	804.0	1194.9	3409.6	24546.9	36471.2	36102.7
67.5°	535.4	537.4	547.6	582.2	618.8	671.7	905.8	2306.3	23046.6	37668.1	39532.7
70°	474.3	476.3	490.6	513.0	543.5	580.1	708.4	1589.8	16775.1	31372.1	35347.6
72.5°	407.1	415.3	425.4	449.9	468.2	494.6	578.1	1030.0	9760.5	20180.6	23366.2
75°	333.8	344.0	356.2	380.7	392.9	403.0	476.3	734.8	4696.0	10226.7	11645.5
77.5°	258.5	268.7	282.9	305.3	313.5	325.7	364.4	531.3	2249.3	4533.2	4887.4
80°	173.0	177.1	189.3	215.8	230.0	238.2	268.7	362.3	977.1	1819.8	1803.5
82.5°	105.8	107.9	112.0	128.2	134.3	142.5	175.1	221.9	466.1	2068.1	2371.4
85°	38.7	36.6	34.6	44.8	52.9	61.1	81.4	112.0	203.6	1420.8	1589.8
87.5°	0.0	0.0	0.0	2.0	4.1	4.1	8.1	16.3	48.9	531.3	364.4
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: P642227
 CATALOG NUMBER: GWS-SA6C-740-U-T1-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4757.1	4757.1	4757.1	4757.1	4757.1	4757.1	4757.1	4757.1	4757.1	4757.1	4757.1
2.5°	4773.4	4751.0	4779.5	4799.9	4844.6	4860.9	4865.0	4850.7	4850.7	4826.3	4830.4
5°	4828.4	4814.1	4860.9	4895.5	4960.7	4985.1	5001.4	4991.2	4997.3	4981.0	4985.1
7.5°	4911.8	4899.6	4981.0	5048.2	5115.4	5143.9	5158.1	5150.0	5152.0	5131.7	5137.8
10°	5027.8	5031.9	5129.6	5217.1	5306.7	5335.2	5341.3	5316.9	5296.5	5259.9	5261.9
12.5°	5186.6	5207.0	5345.4	5443.1	5534.7	5575.4	5530.6	5441.1	5357.6	5294.5	5286.4
15°	5359.6	5396.3	5595.8	5719.9	5819.7	5799.3	5667.0	5465.5	5300.6	5207.0	5188.7
17.5°	5567.3	5622.2	5872.6	6021.2	6106.7	5976.4	5699.6	5398.3	5168.3	5042.1	5017.7
20°	5762.7	5850.2	6165.7	6359.1	6369.3	6076.2	5685.3	5261.9	4972.9	4818.2	4785.6
22.5°	5941.8	6053.8	6473.1	6719.4	6587.1	6120.9	5597.8	5068.6	4736.8	4555.6	4527.1
25°	6137.2	6296.0	6831.3	7061.4	6804.9	6102.6	5414.6	4828.4	4451.8	4266.5	4246.2
27.5°	6271.6	6471.1	7191.6	7411.5	6984.0	5998.8	5178.5	4565.8	4191.2	4016.2	3987.7
30°	6426.3	6680.7	7588.6	7792.1	7093.9	5846.1	4926.1	4321.5	3949.0	3759.7	3739.3
32.5°	6707.2	7026.8	8081.2	8195.2	7128.5	5656.8	4683.8	4085.4	3696.6	3507.3	3478.8
35°	7159.1	7533.6	8773.3	8645.0	7102.1	5449.2	4453.8	3808.5	3438.1	3261.0	3232.5
37.5°	7729.0	8195.2	9544.8	9050.1	7028.8	5221.2	4181.0	3576.5	3206.0	3026.9	3010.6
40°	8260.3	8834.3	10409.9	9400.2	6880.2	4940.3	3918.5	3334.3	2955.6	2766.3	2729.7
42.5°	8925.9	9689.3	11411.4	9703.5	6635.9	4604.4	3623.3	3035.0	2642.2	2471.2	2426.4
45°	9937.6	10886.2	12575.7	9994.6	6271.6	4191.2	3252.8	2670.7	2298.2	2123.1	2088.5
47.5°	11199.7	12382.3	13837.8	10167.6	5717.9	3755.6	2833.5	2285.9	1913.4	1716.0	1699.7
50°	12972.6	14558.3	15191.4	10137.1	5099.1	3238.6	2361.3	1827.9	1516.5	1374.0	1351.6
52.5°	15132.4	17290.1	16655.0	9770.7	4441.6	2650.3	1840.1	1435.1	1203.0	1101.2	1082.9
55°	17841.7	20561.2	18195.9	8985.0	3611.1	2029.5	1445.2	1131.8	973.0	911.9	903.8
57.5°	21196.3	24797.2	19679.8	7661.9	2715.4	1549.1	1113.5	934.3	859.0	822.4	820.3
60°	25623.7	29293.8	20968.3	5954.0	1944.0	1184.7	920.1	834.6	775.5	751.1	749.1
62.5°	30887.6	33377.1	21770.3	4054.8	1461.5	944.5	810.2	757.2	722.6	708.4	706.3
65°	36298.2	35958.2	21387.7	2656.4	1109.4	802.0	726.7	698.2	667.7	653.4	653.4
67.5°	39494.0	35412.7	18450.3	1844.2	879.4	704.3	655.5	629.0	578.1	565.9	565.9
70°	34981.1	28695.3	12093.3	1349.6	712.4	616.8	570.0	533.3	513.0	500.7	498.7
72.5°	23136.2	18672.2	6430.3	936.4	594.4	525.2	482.4	468.2	443.8	431.5	429.5
75°	11515.2	9807.3	3295.6	675.8	494.6	421.4	403.0	396.9	376.6	360.3	356.2
77.5°	4799.9	4366.3	1536.9	490.6	376.6	339.9	323.7	323.7	301.3	282.9	274.8
80°	1809.6	1612.2	726.7	335.9	278.9	252.4	242.2	234.1	215.8	193.4	181.2
82.5°	2420.3	1581.6	356.2	209.7	183.2	162.8	148.6	142.5	132.3	122.1	114.0
85°	1567.4	1123.6	160.8	107.9	91.6	69.2	61.1	57.0	50.9	44.8	40.7
87.5°	319.6	376.6	48.9	20.4	12.2	6.1	6.1	2.0	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)