

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: P642357

Luminaire Tested: GWS-SA6C-760-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642357
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-760-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28401.9 lumens
Efficiency: N/A
Efficacy: 150.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

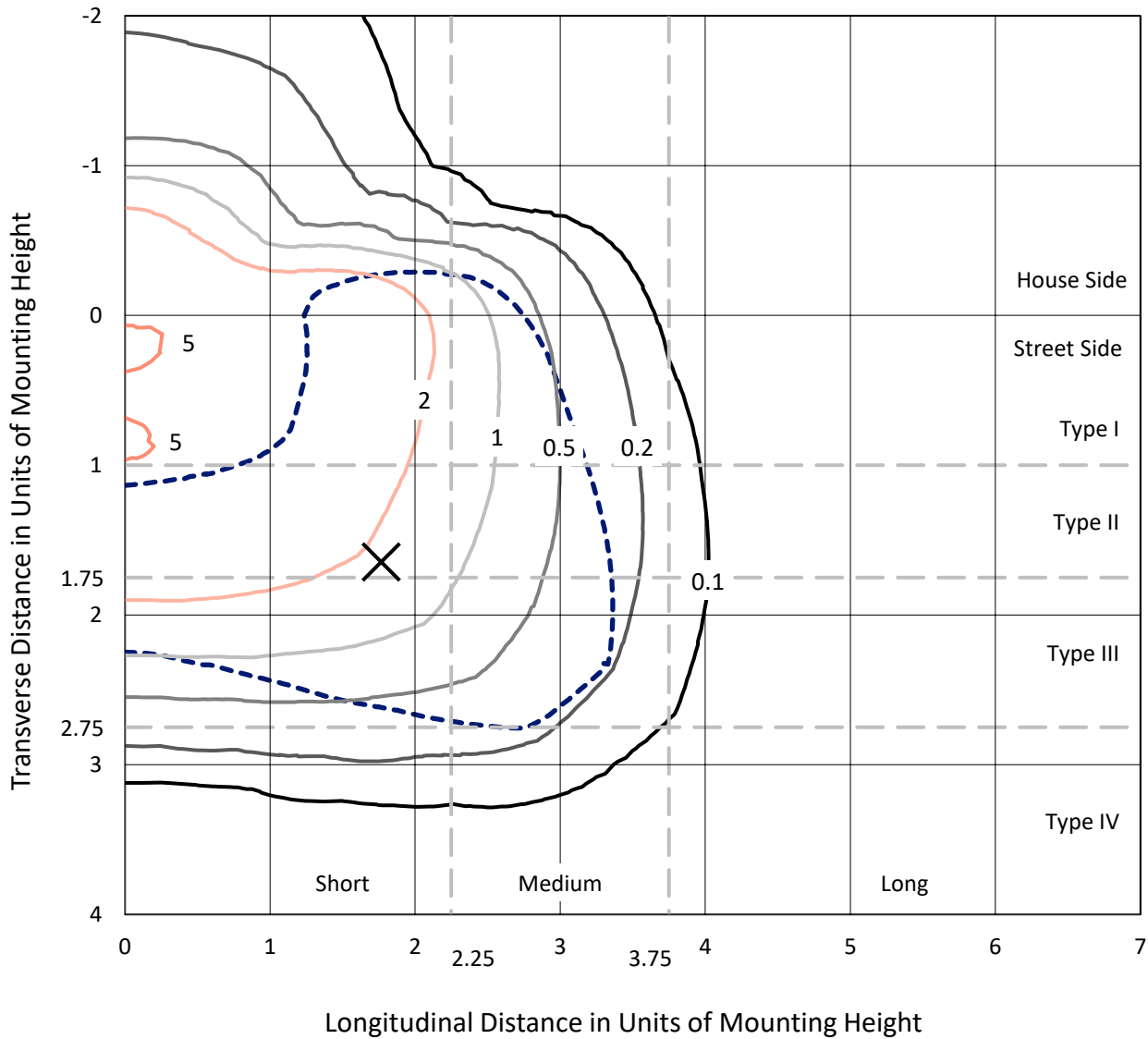
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

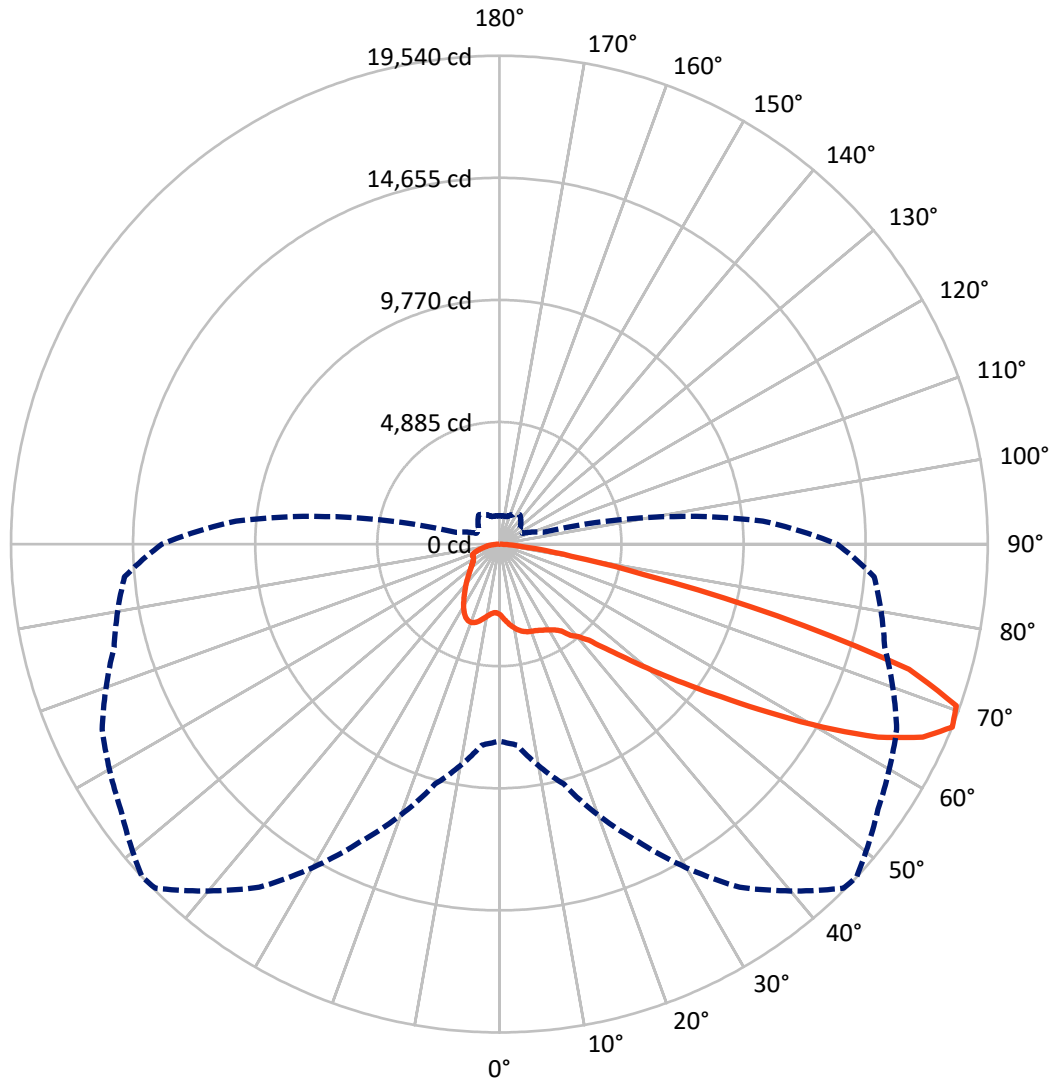
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6473.0	0.0	6473.0
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	21928.9	0.0	21928.9
	% Fixture	77.2	0.0	77.2
Total	Lumens	28401.9	0.0	28401.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.8	1.0
10°-20°	958.7	3.4
20°-30°	1629.5	5.7
30°-40°	2387.0	8.4
40°-50°	3636.9	12.8
50°-60°	6507.3	22.9
60°-70°	8683.2	30.6
70°-80°	3926.8	13.8
80°-90°	384.7	1.4
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°	28401.9	100.0
0°-180°	28401.9	100.0

Coefficient of Utilization



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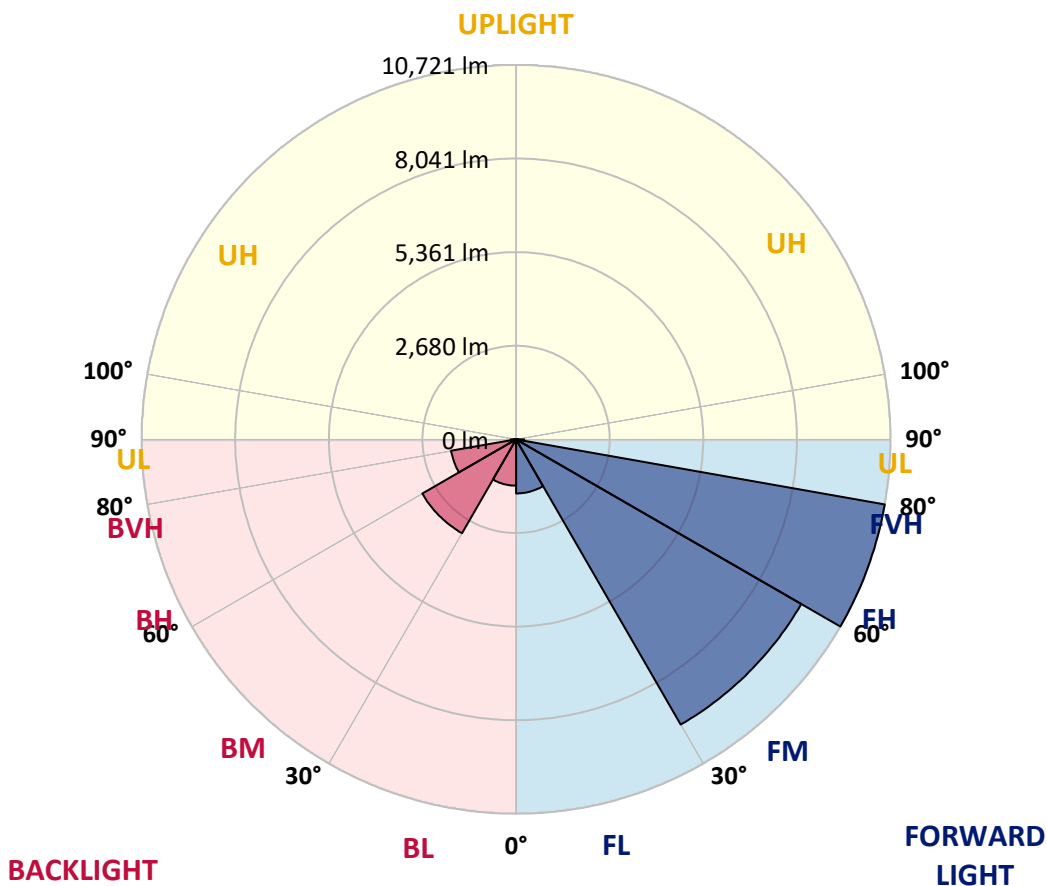
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1548.9	5.5			
FM (30°-60°)	9429.7	33.2			
FH (60°-80°)	10721.4	37.7			G4/12000
FVH (80°-90°)	228.8	0.8			G3/500
BL (0°-30°)	1327.0	4.7	B3/2500		
BM (30°-60°)	3101.5	10.9	B3/5000		
BH (60°-80°)	1888.6	6.6	B3/2500		G3/2500
BVH (80°-90°)	155.9	0.5			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2815.5	2815.5	2815.5	2815.5	2815.5	2815.5	2815.5	2815.5	2815.5	2815.5	2815.5
2.5°	3002.4	3012.7	3010.6	2994.2	2983.9	2965.4	2967.5	2938.7	2895.6	2866.9	2834.0
5°	3267.3	3283.8	3263.2	3236.5	3195.4	3135.9	3129.7	3064.0	2981.9	2924.4	2864.8
7.5°	3497.3	3507.6	3483.0	3437.8	3378.2	3298.1	3283.8	3205.7	3103.0	3012.7	2926.4
10°	3676.0	3688.3	3655.5	3595.9	3517.9	3437.8	3427.5	3347.4	3238.6	3131.8	3022.9
12.5°	3828.0	3832.1	3797.2	3717.1	3632.9	3550.7	3540.5	3466.5	3365.9	3257.1	3137.9
15°	3916.3	3918.3	3875.2	3786.9	3706.8	3634.9	3628.8	3565.1	3472.7	3370.0	3242.7
17.5°	3910.1	3914.2	3883.4	3805.4	3735.6	3692.4	3686.3	3645.2	3573.3	3480.9	3353.6
20°	3834.1	3838.2	3817.7	3766.4	3729.4	3717.1	3719.1	3706.8	3663.7	3587.7	3458.3
22.5°	3774.6	3780.7	3762.3	3725.3	3721.2	3749.9	3756.1	3762.3	3741.7	3673.9	3548.7
25°	3803.3	3813.6	3784.8	3733.5	3741.7	3805.4	3817.7	3838.2	3821.8	3764.3	3655.5
27.5°	4002.5	4008.7	3934.8	3830.0	3805.4	3873.1	3891.6	3924.5	3912.2	3858.8	3774.6
30°	4464.6	4460.5	4302.4	4045.7	3943.0	3969.7	3984.0	4031.3	4035.4	4000.5	3920.4
32.5°	5115.6	5095.1	4850.7	4442.0	4144.2	4078.5	4094.9	4158.6	4205.8	4168.9	4060.0
35°	5803.6	5785.1	5516.1	5037.6	4515.9	4288.0	4269.5	4318.8	4390.7	4288.0	4131.9
37.5°	6458.7	6429.9	6154.7	5563.3	4973.9	4655.6	4628.9	4579.6	4536.5	4339.3	4220.2
40°	7185.7	7152.8	6912.5	6243.0	5479.1	4936.9	4869.2	4674.1	4635.0	4509.8	4450.2
42.5°	7961.9	7961.9	7762.7	7103.5	6089.0	5339.4	5251.1	4957.5	4998.5	4916.4	4846.6
45°	8738.2	8760.8	8602.7	7970.1	6904.3	6099.3	5957.6	5540.7	5639.3	5602.3	5567.4
47.5°	9399.5	9442.6	9411.8	8855.3	7902.4	7023.4	6807.8	6374.5	6586.0	6674.3	6772.9
50°	10112.1	10159.3	10128.5	9908.8	9070.9	8142.6	7949.6	7501.9	7865.4	8130.3	8452.7
52.5°	11169.7	11237.5	10980.8	10896.6	10489.9	9413.8	9241.3	8732.0	9391.3	9830.7	10549.5
55°	12063.0	12061.0	11970.6	12163.7	12013.7	10968.4	10777.5	10315.4	11157.4	11623.5	12675.0
57.5°	12477.9	12527.1	12837.2	13383.5	13683.3	12868.0	12685.3	12212.9	13052.9	13295.2	14430.9
60°	12691.4	12753.0	13352.7	14432.9	15240.0	14942.2	14870.3	14268.6	14741.0	14712.2	15911.5
62.5°	12391.6	12514.8	13478.0	14913.5	16351.0	17026.6	17004.1	16094.3	16176.4	15895.1	16829.5
65°	11015.7	11149.2	12660.6	14673.2	16985.6	18612.1	18618.2	17747.5	17279.2	16470.1	16675.5
67.5°	7877.7	8068.7	9937.5	13128.9	16761.7	19468.4	19540.3	18497.0	17538.0	15960.8	15057.2
70°	4294.1	4433.8	5898.0	9543.2	14745.1	19263.1	19396.5	18135.6	16396.2	13806.6	11590.7
72.5°	1950.9	1996.1	2743.7	5236.8	10073.1	16581.0	17139.6	16184.7	13465.7	10198.3	7370.5
75°	893.3	913.9	1195.2	2505.4	5263.5	11095.8	11488.0	12054.8	9370.7	6440.2	3842.3
77.5°	560.6	566.8	679.8	1145.9	2624.5	5538.6	5951.4	7177.4	5487.3	3187.2	1605.9
80°	330.6	336.8	423.0	620.2	1232.2	2534.2	2926.4	2838.1	2579.4	1375.9	731.1
82.5°	166.3	172.5	244.4	353.2	671.5	1008.3	1187.0	1193.2	961.1	745.5	412.8
85°	59.6	61.6	80.1	139.6	285.5	332.7	371.7	453.9	470.3	433.3	199.2
87.5°	0.0	0.0	2.1	4.1	8.2	32.9	34.9	65.7	137.6	154.0	80.1
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°	2815.5	2815.5	2815.5	2815.5	2815.5	2815.5	2815.5	2815.5	2815.5	2815.5	2815.5
2.5°	2823.7	2792.9	2782.7	2772.4	2756.0	2749.8	2737.5	2725.2	2725.2	2712.8	2706.7
5°	2838.1	2797.0	2770.3	2758.0	2747.8	2753.9	2753.9	2758.0	2772.4	2764.2	2768.3
7.5°	2889.5	2842.2	2805.3	2795.0	2795.0	2819.6	2836.1	2856.6	2883.3	2887.4	2887.4
10°	2979.8	2924.4	2885.4	2879.2	2889.5	2924.4	2949.0	2973.7	3006.5	3008.6	3012.7
12.5°	3078.4	3022.9	2983.9	2992.1	3002.4	3047.6	3074.3	3094.8	3127.7	3127.7	3125.6
15°	3181.1	3119.5	3086.6	3103.0	3133.8	3185.2	3189.3	3191.3	3207.8	3203.7	3201.6
17.5°	3287.9	3222.1	3197.5	3222.1	3255.0	3279.6	3259.1	3230.4	3224.2	3216.0	3211.9
20°	3392.6	3324.8	3314.6	3333.0	3343.3	3322.8	3259.1	3205.7	3181.1	3168.8	3164.6
22.5°	3483.0	3425.5	3419.3	3419.3	3368.0	3296.1	3201.6	3129.7	3096.9	3080.4	3076.3
25°	3589.7	3536.4	3526.1	3470.6	3339.2	3207.8	3080.4	3014.7	2988.0	2979.8	2981.9
27.5°	3715.0	3678.1	3645.2	3487.1	3257.1	3051.7	2907.9	2879.2	2868.9	2879.2	2885.4
30°	3869.0	3832.1	3758.1	3466.5	3125.6	2848.4	2710.8	2708.7	2739.5	2766.2	2770.3
32.5°	3994.3	3977.9	3856.7	3400.8	2940.8	2624.5	2507.5	2515.7	2571.1	2608.1	2614.3
35°	4092.9	4119.6	3938.9	3292.0	2721.1	2413.0	2320.6	2324.7	2355.5	2406.9	2408.9
37.5°	4232.5	4322.9	4012.8	3125.6	2468.5	2230.2	2146.0	2115.2	2111.1	2125.5	2129.6
40°	4513.9	4649.4	4066.2	2883.3	2224.1	2066.0	1971.5	1911.9	1860.6	1821.6	1809.2
42.5°	4939.0	5095.1	4097.0	2589.6	2006.4	1903.7	1796.9	1720.9	1630.6	1548.4	1519.7
45°	5719.4	5770.7	4097.0	2277.5	1813.4	1751.7	1645.0	1554.6	1439.6	1343.1	1322.5
47.5°	6968.0	6803.7	4101.1	1975.6	1642.9	1618.3	1525.8	1423.2	1295.8	1215.7	1203.4
50°	8849.1	8272.0	4185.3	1725.0	1501.2	1505.3	1437.5	1324.6	1209.6	1150.0	1139.8
52.5°	10980.8	10081.3	4411.2	1540.2	1382.1	1412.9	1375.9	1267.1	1164.4	1113.1	1102.8
55°	12985.1	11744.7	4604.2	1408.8	1281.5	1334.9	1332.8	1232.2	1139.8	1088.4	1082.3
57.5°	14689.6	12884.5	4575.5	1302.0	1195.2	1263.0	1293.8	1209.6	1123.3	1080.2	1074.0
60°	15749.3	13488.2	4166.8	1203.4	1129.5	1211.6	1271.2	1203.4	1131.6	1121.3	1123.3
62.5°	16209.3	13377.3	3382.3	1129.5	1086.4	1187.0	1295.8	1246.6	1207.5	1232.2	1246.6
65°	15494.6	12424.5	2489.0	1074.0	1045.3	1193.2	1353.3	1314.3	1207.5	1224.0	1230.1
67.5°	13510.8	10576.2	1799.0	1018.6	994.0	1211.6	1435.5	1304.1	1137.7	1137.7	1125.4
70°	9736.3	7606.6	1306.1	963.2	942.6	1184.9	1439.6	1234.2	1057.6	1051.5	1020.7
72.5°	5859.0	4487.2	1018.6	901.5	864.6	1051.5	1349.2	1152.1	979.6	928.2	891.3
75°	3043.5	2248.7	854.3	833.8	741.4	891.3	1234.2	1024.8	837.9	792.7	772.2
77.5°	1304.1	1051.5	733.1	743.4	616.1	749.6	996.0	887.2	743.4	685.9	667.4
80°	642.8	597.6	579.1	595.6	492.9	579.1	858.4	776.3	630.5	564.7	538.1
82.5°	367.6	349.1	416.9	423.0	351.2	484.7	724.9	657.2	521.6	449.7	406.6
85°	170.5	182.8	252.6	254.7	217.7	332.7	474.4	369.7	277.2	230.0	219.7
87.5°	67.8	80.1	110.9	108.8	63.7	61.6	41.1	22.6	18.5	16.4	14.4
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)