

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: P642302

Luminaire Tested: GWS-SA6C-750-U-T4W-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642302  
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-750-U-T4W-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

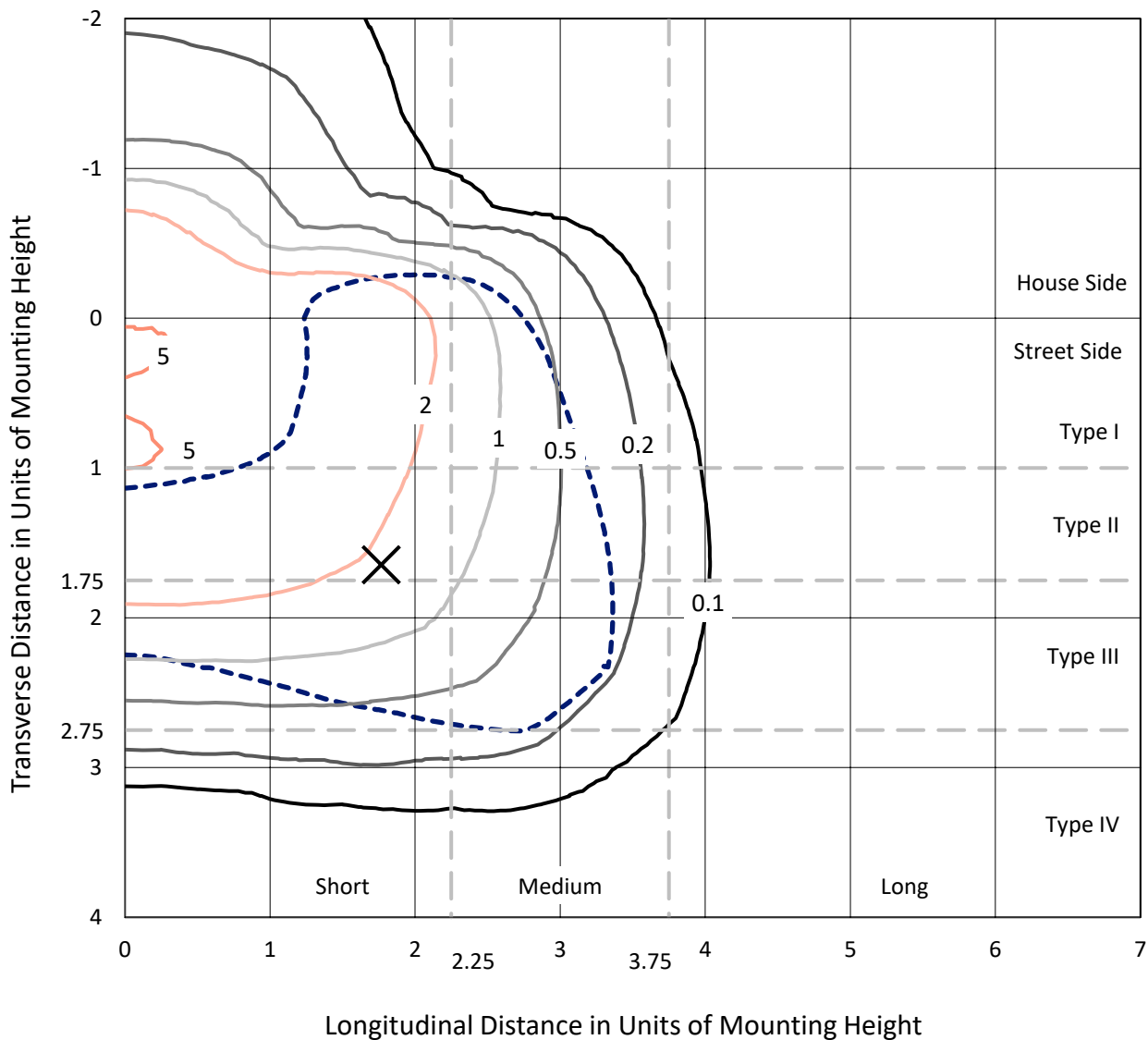
Lumens per Lamp: N/A  
Luminaire Lumens: 28796.6 lumens  
Efficiency: N/A  
Efficacy: 152.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): 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

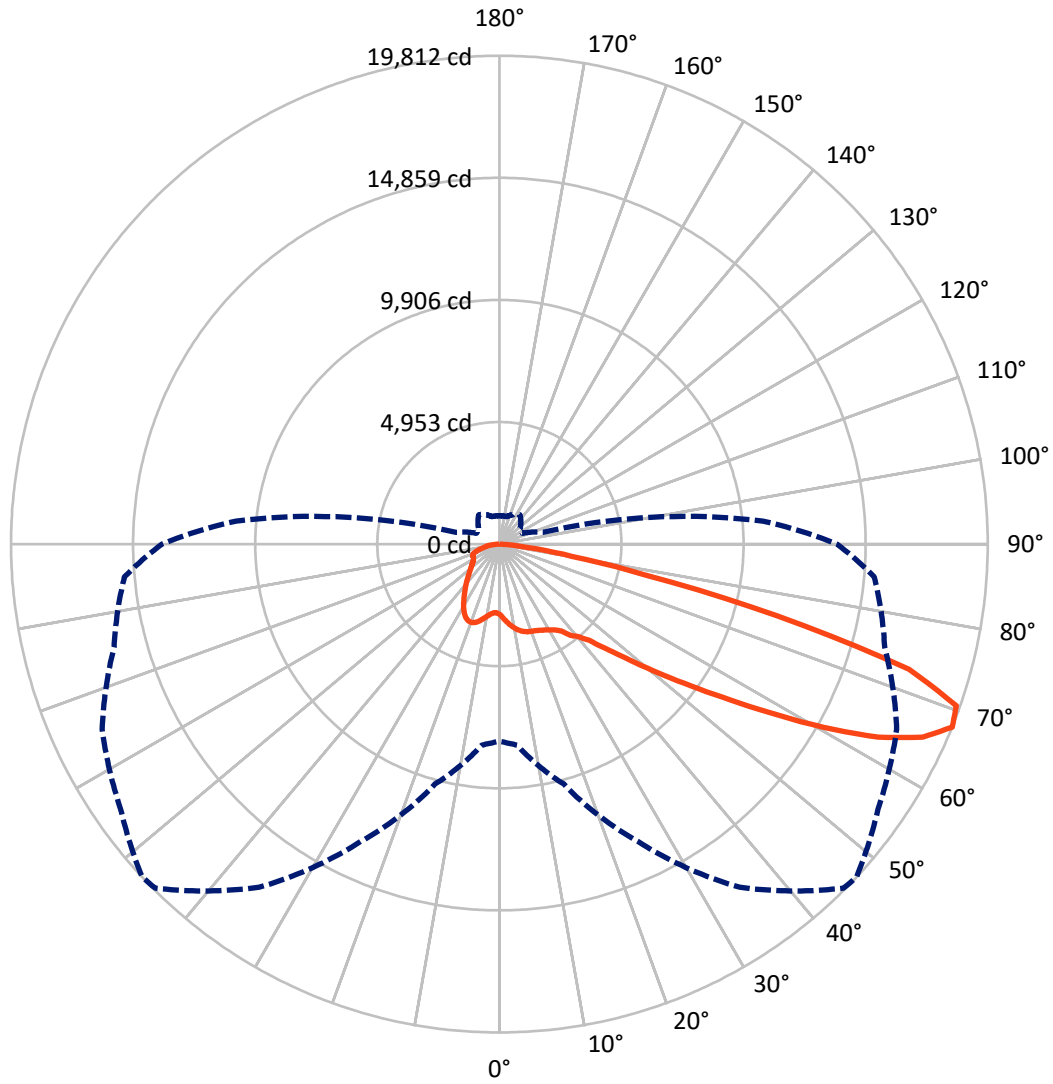
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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
<b>House Side</b>	Lumens	6563.0	0.0	6563.0
	% Fixture	22.8	0.0	22.8
<b>Street Side</b>	Lumens	22233.6	0.0	22233.6
	% Fixture	77.2	0.0	77.2
<b>Total</b>	Lumens	28796.6	0.0	28796.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	291.8	1.0
10°-20°	972.0	3.4
20°-30°	1652.1	5.7
30°-40°	2420.2	8.4
40°-50°	3687.5	12.8
50°-60°	6597.7	22.9
60°-70°	8803.9	30.6
70°-80°	3981.3	13.8
80°-90°	390.1	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°	28796.6	100.0
0°-180°	28796.6	100.0

**Coefficient of Utilization**



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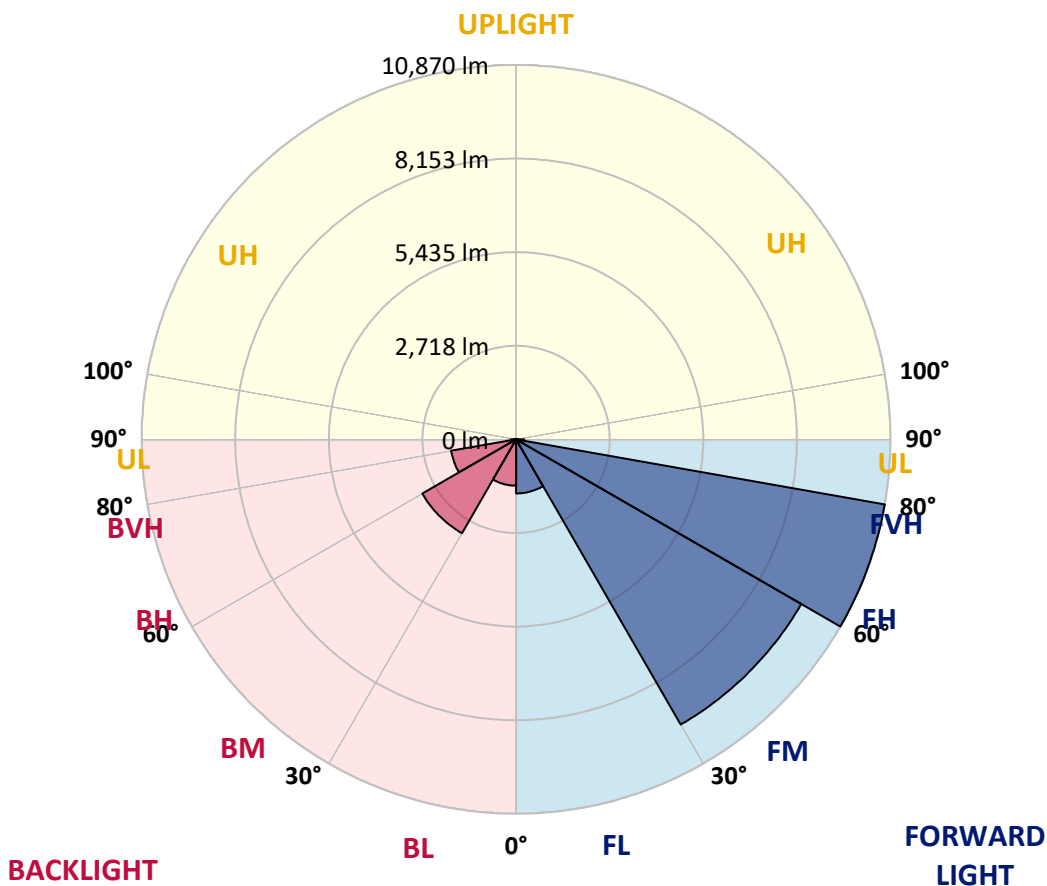
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1570.5	5.5			
FM (30°-60°)	9560.8	33.2			
FH (60°-80°)	10870.4	37.7			G4/12000
FVH (80°-90°)	232.0	0.8			G3/500
BL (0°-30°)	1345.4	4.7	B3/2500		
BM (30°-60°)	3144.6	10.9	B3/5000		
BH (60°-80°)	1914.9	6.6	B3/2500		G3/2500
BVH (80°-90°)	158.0	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°	2854.7	2854.7	2854.7	2854.7	2854.7	2854.7	2854.7	2854.7	2854.7	2854.7	2854.7
2.5°	3044.1	3054.5	3052.5	3035.8	3025.4	3006.7	3008.7	2979.6	2935.9	2906.7	2873.4
5°	3312.7	3329.4	3308.6	3281.5	3239.9	3179.5	3173.2	3106.6	3023.3	2965.0	2904.6
7.5°	3545.9	3556.3	3531.4	3485.6	3425.2	3344.0	3329.4	3250.3	3146.2	3054.5	2967.1
10°	3727.1	3739.6	3706.3	3645.9	3566.8	3485.6	3475.1	3393.9	3283.6	3175.3	3065.0
12.5°	3881.2	3885.3	3849.9	3768.7	3683.4	3600.1	3589.7	3514.7	3412.7	3302.3	3181.6
15°	3970.7	3972.8	3929.1	3839.5	3758.3	3685.4	3679.2	3614.6	3520.9	3416.8	3287.7
17.5°	3964.5	3968.6	3937.4	3858.3	3787.5	3743.7	3737.5	3695.9	3623.0	3529.3	3400.2
20°	3887.4	3891.6	3870.8	3818.7	3781.2	3768.7	3770.8	3758.3	3714.6	3637.6	3506.4
22.5°	3827.0	3833.3	3814.5	3777.1	3772.9	3802.0	3808.3	3814.5	3793.7	3725.0	3598.0
25°	3856.2	3866.6	3837.4	3785.4	3793.7	3858.3	3870.8	3891.6	3874.9	3816.6	3706.3
27.5°	4058.1	4064.4	3989.4	3883.2	3858.3	3927.0	3945.7	3979.0	3966.5	3912.4	3827.0
30°	4526.6	4522.5	4362.1	4101.9	3997.8	4024.8	4039.4	4087.3	4091.5	4056.1	3974.9
32.5°	5186.7	5165.9	4918.1	4503.7	4201.8	4135.2	4151.8	4216.4	4264.3	4226.8	4116.4
35°	5884.2	5865.5	5592.7	5107.6	4578.7	4347.6	4328.8	4378.8	4451.7	4347.6	4189.3
37.5°	6548.4	6519.3	6240.3	5640.6	5043.0	4720.3	4693.2	4643.2	4599.5	4399.6	4278.9
40°	7285.5	7252.2	7008.6	6329.8	5555.2	5005.5	4936.8	4739.0	4699.5	4572.4	4512.1
42.5°	8072.6	8072.6	7870.6	7202.2	6173.6	5413.6	5324.1	5026.4	5068.0	4984.7	4913.9
45°	8859.6	8882.5	8722.2	8080.9	7000.3	6184.0	6040.4	5617.7	5717.6	5680.2	5644.8
47.5°	9530.1	9573.8	9542.6	8978.3	8012.2	7121.0	6902.4	6463.1	6677.5	6767.1	6867.0
50°	10252.6	10300.5	10269.3	10046.5	9196.9	8255.8	8060.1	7606.2	7974.7	8243.3	8570.2
52.5°	11324.9	11393.6	11133.4	11048.0	10635.7	9544.7	9369.8	8853.4	9521.8	9967.3	10696.1
55°	12230.7	12228.6	12137.0	12332.7	12180.7	11120.9	10927.2	10458.7	11312.4	11785.1	12851.2
57.5°	12651.3	12701.2	13015.6	13569.5	13873.5	13046.9	12861.6	12382.7	13234.3	13480.0	14631.4
60°	12867.8	12930.3	13538.3	14633.5	15451.8	15149.9	15077.0	14466.9	14945.8	14916.7	16132.6
62.5°	12563.8	12688.7	13665.3	15120.7	16578.2	17263.3	17240.4	16318.0	16401.2	16116.0	17063.4
65°	11168.8	11304.1	12836.6	14877.1	17221.6	18870.7	18876.9	17994.1	17519.4	16699.0	16907.2
67.5°	7987.2	8180.8	10075.6	13311.3	16994.7	19739.0	19811.8	18754.1	17781.7	16182.6	15266.5
70°	4353.8	4495.4	5980.0	9675.8	14950.0	19530.7	19666.1	18387.6	16624.0	13998.4	11751.8
72.5°	1978.1	2023.9	2781.8	5309.5	10213.0	16811.4	17377.8	16409.6	13652.8	10340.1	7472.9
75°	905.7	926.6	1211.8	2540.2	5336.6	11250.0	11647.7	12222.3	9500.9	6529.7	3895.7
77.5°	568.4	574.7	689.2	1161.9	2661.0	5615.6	6034.1	7277.2	5563.6	3231.5	1628.3
80°	335.2	341.5	428.9	628.8	1249.3	2569.4	2967.1	2877.6	2615.2	1395.1	741.3
82.5°	168.7	174.9	247.8	358.1	680.9	1022.3	1203.5	1209.7	974.5	755.8	418.5
85°	60.4	62.5	81.2	141.6	289.4	337.3	376.9	460.2	476.8	439.3	202.0
87.5°	0.0	0.0	2.1	4.2	8.3	33.3	35.4	66.6	139.5	156.2	81.2
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°	2854.7	2854.7	2854.7	2854.7	2854.7	2854.7	2854.7	2854.7	2854.7	2854.7	2854.7
2.5°	2863.0	2831.8	2821.3	2810.9	2794.3	2788.0	2775.5	2763.0	2763.0	2750.5	2744.3
5°	2877.6	2835.9	2808.8	2796.4	2785.9	2792.2	2792.2	2796.4	2810.9	2802.6	2806.8
7.5°	2929.6	2881.7	2844.2	2833.8	2833.8	2858.8	2875.5	2896.3	2923.4	2927.5	2927.5
10°	3021.2	2965.0	2925.4	2919.2	2929.6	2965.0	2990.0	3015.0	3048.3	3050.4	3054.5
12.5°	3121.2	3065.0	3025.4	3033.7	3044.1	3089.9	3117.0	3137.8	3171.1	3171.1	3169.1
15°	3225.3	3162.8	3129.5	3146.2	3177.4	3229.4	3233.6	3235.7	3252.3	3248.2	3246.1
17.5°	3333.6	3266.9	3241.9	3266.9	3300.2	3325.2	3304.4	3275.3	3269.0	3260.7	3256.5
20°	3439.7	3371.0	3360.6	3379.4	3389.8	3369.0	3304.4	3250.3	3225.3	3212.8	3208.6
22.5°	3531.4	3473.1	3466.8	3466.8	3414.8	3341.9	3246.1	3173.2	3139.9	3123.3	3119.1
25°	3639.6	3585.5	3575.1	3518.9	3385.6	3252.3	3123.3	3056.6	3029.6	3021.2	3023.3
27.5°	3766.6	3729.2	3695.9	3535.5	3302.3	3094.1	2948.4	2919.2	2908.8	2919.2	2925.4
30°	3922.8	3885.3	3810.4	3514.7	3169.1	2888.0	2748.5	2746.4	2777.6	2804.7	2808.8
32.5°	4049.8	4033.2	3910.3	3448.1	2981.7	2661.0	2542.3	2550.7	2606.9	2644.4	2650.6
35°	4149.8	4176.8	3993.6	3337.7	2758.9	2446.5	2352.9	2357.0	2388.2	2440.3	2442.4
37.5°	4291.4	4383.0	4068.6	3169.1	2502.8	2261.2	2175.9	2144.6	2140.5	2155.0	2159.2
40°	4576.6	4714.0	4122.7	2923.4	2255.0	2094.7	1998.9	1938.5	1886.4	1846.9	1834.4
42.5°	5007.6	5165.9	4153.9	2625.6	2034.3	1930.2	1821.9	1744.9	1653.2	1570.0	1540.8
45°	5798.8	5850.9	4153.9	2309.1	1838.6	1776.1	1667.8	1576.2	1459.6	1361.7	1340.9
47.5°	7064.8	6898.2	4158.1	2003.0	1665.7	1640.7	1547.1	1442.9	1313.8	1232.6	1220.2
50°	8972.1	8387.0	4243.5	1749.0	1522.1	1526.2	1457.5	1343.0	1226.4	1166.0	1155.6
52.5°	11133.4	10221.4	4472.5	1561.6	1401.3	1432.5	1395.1	1284.7	1180.6	1128.5	1118.1
55°	13165.6	11907.9	4668.2	1428.4	1299.3	1353.4	1351.3	1249.3	1155.6	1103.5	1097.3
57.5°	14893.8	13063.5	4639.1	1320.1	1211.8	1280.5	1311.8	1226.4	1138.9	1095.2	1089.0
60°	15968.2	13675.7	4224.7	1220.2	1145.2	1228.5	1288.9	1220.2	1147.3	1136.9	1138.9
62.5°	16434.6	13563.3	3429.3	1145.2	1101.5	1203.5	1313.8	1263.9	1224.3	1249.3	1263.9
65°	15710.0	12597.1	2523.6	1089.0	1059.8	1209.7	1372.1	1332.6	1224.3	1241.0	1247.2
67.5°	13698.6	10723.2	1824.0	1032.8	1007.8	1228.5	1455.4	1322.2	1153.5	1153.5	1141.0
70°	9871.6	7712.4	1324.3	976.5	955.7	1201.4	1459.6	1251.4	1072.3	1066.1	1034.8
72.5°	5940.4	4549.5	1032.8	914.1	876.6	1066.1	1368.0	1168.1	993.2	941.1	903.7
75°	3085.8	2280.0	866.2	845.4	751.7	903.7	1251.4	1039.0	849.5	803.7	782.9
77.5°	1322.2	1066.1	743.3	753.7	624.7	760.0	1009.9	899.5	753.7	695.4	676.7
80°	651.7	605.9	587.2	603.8	499.7	587.2	870.3	787.1	639.2	572.6	545.5
82.5°	372.7	354.0	422.7	428.9	356.1	491.4	735.0	666.3	528.9	456.0	412.3
85°	172.8	185.3	256.1	258.2	220.7	337.3	481.0	374.8	281.1	233.2	222.8
87.5°	68.7	81.2	112.4	110.4	64.5	62.5	41.6	22.9	18.7	16.7	14.6
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)