

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: P642514

Luminaire Tested: GWS-SA6D-722-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642514  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6D-722-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

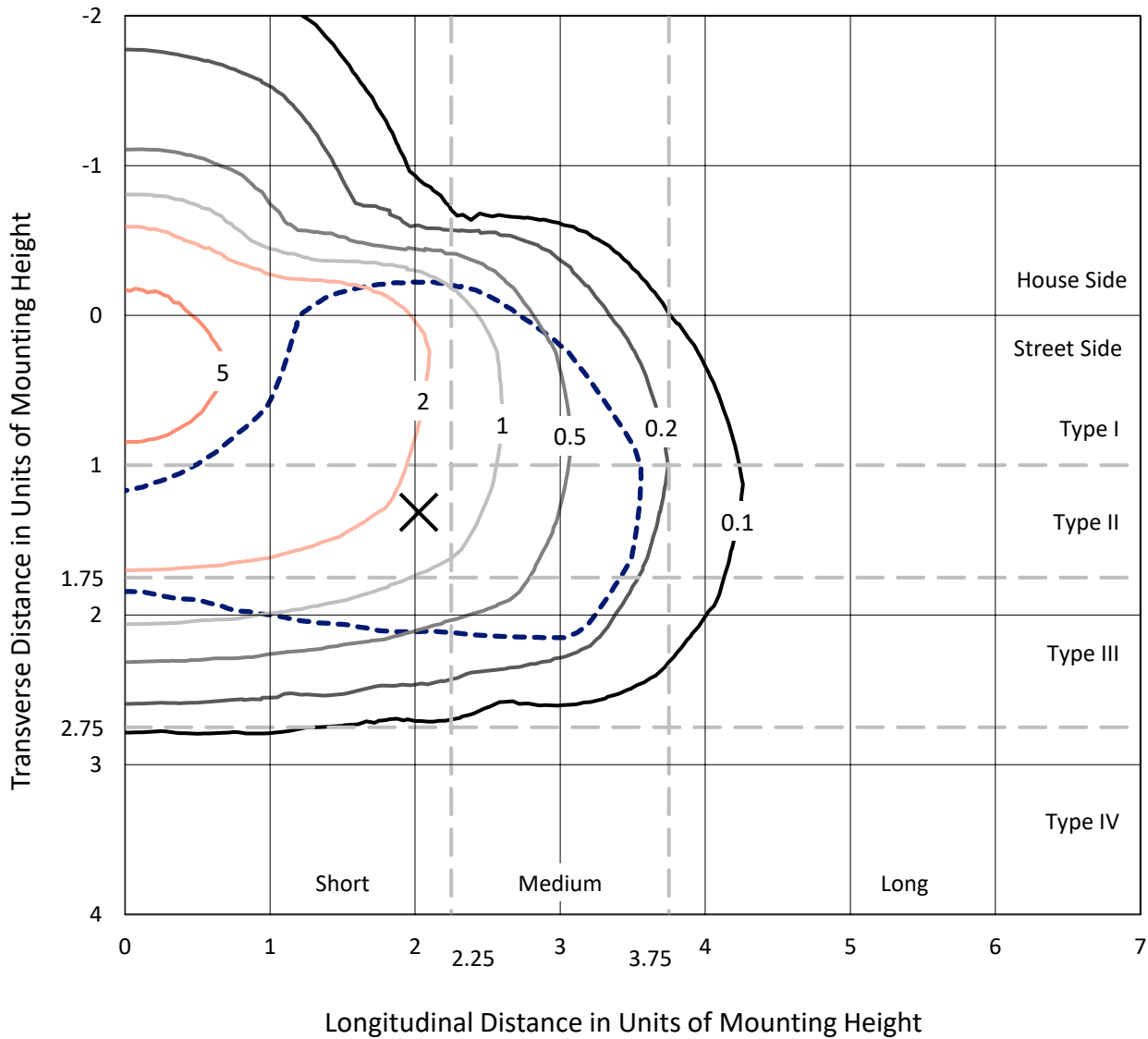
Lumens per Lamp: N/A  
Luminaire Lumens: 26404 lumens  
Efficiency: N/A  
Efficacy: 107.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

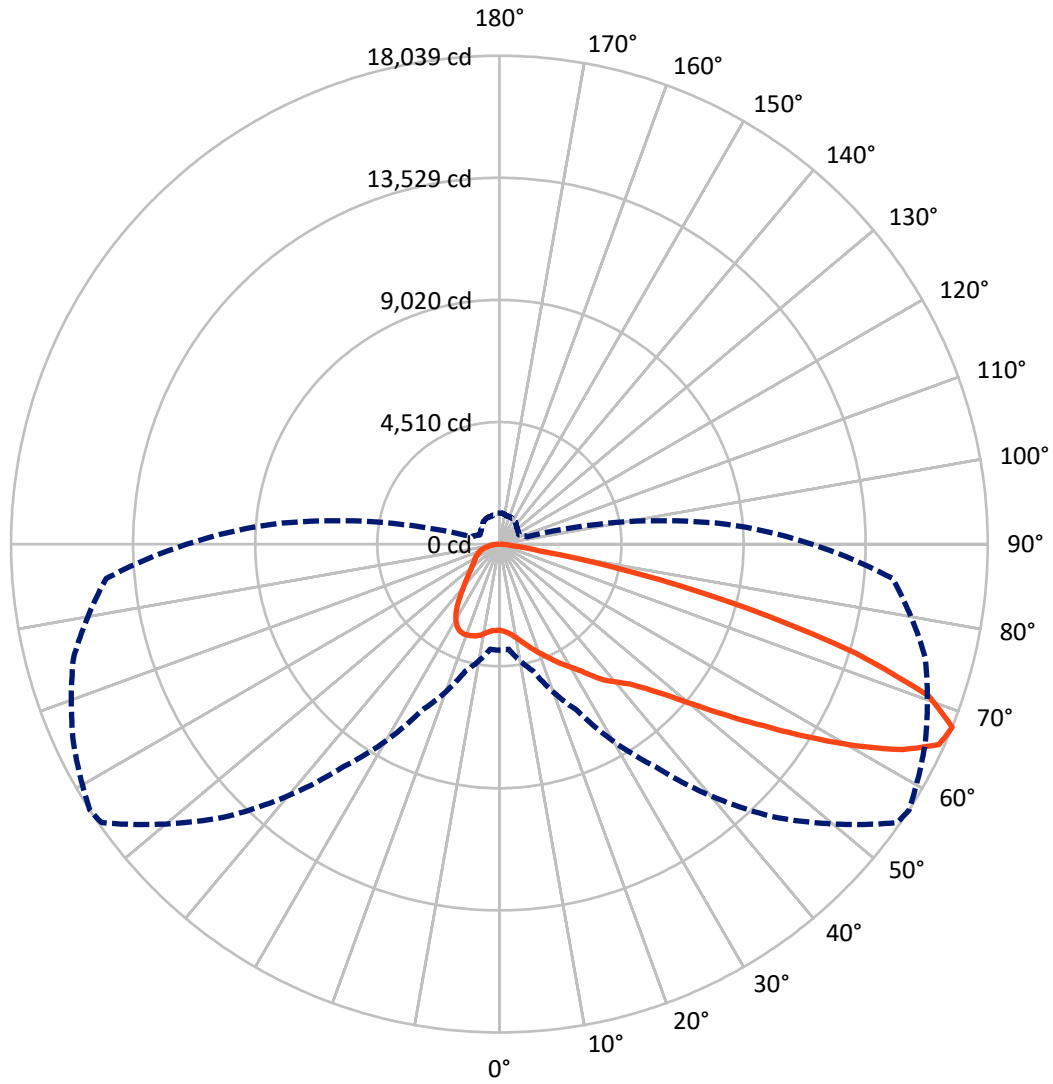
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5805.2	0.0	5805.2
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	20598.8	0.0	20598.8
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	26404.0	0.0	26404.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	315.5	1.2
10°-20°	1044.6	4.0
20°-30°	1862.3	7.1
30°-40°	2707.6	10.3
40°-50°	3918.8	14.8
50°-60°	6132.7	23.2
60°-70°	7154.2	27.1
70°-80°	2986.5	11.3
80°-90°	281.8	1.1
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°	26404.0	100.0
0°-180°	26404.0	100.0

**Coefficient of Utilization**



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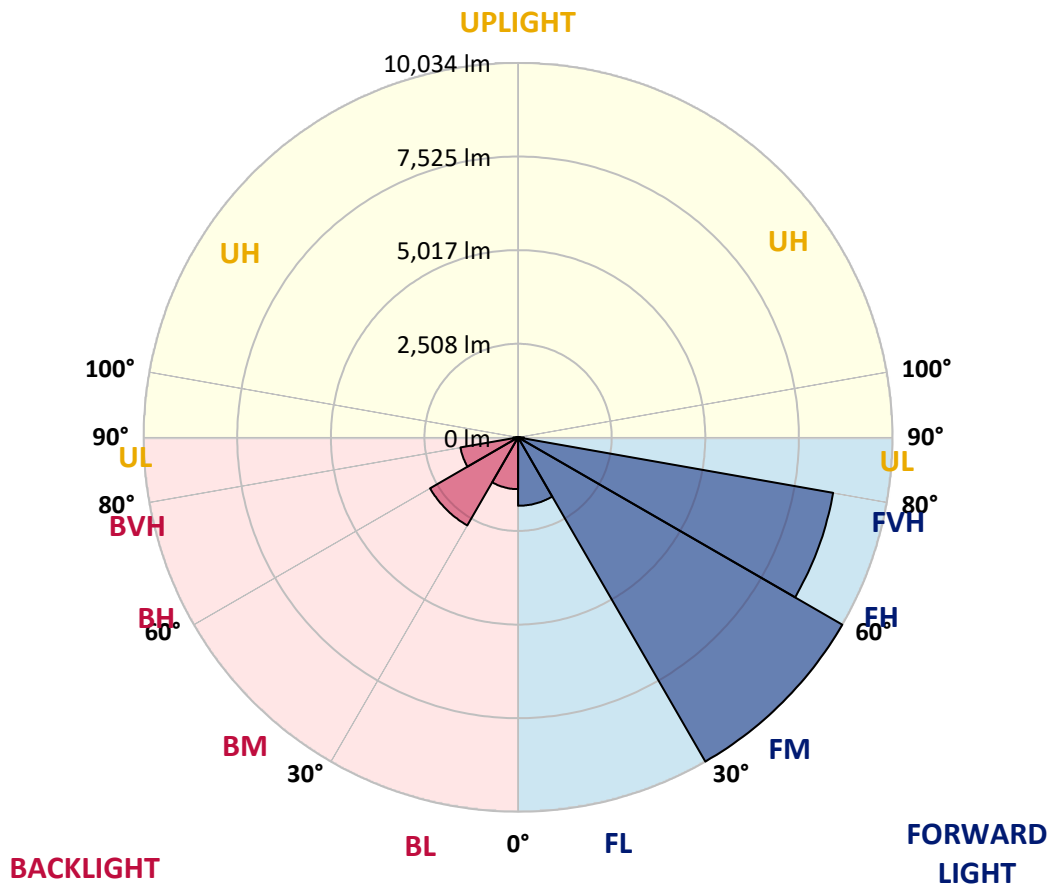
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1834.0	6.9			
FM (30°-60°)	10033.9	38.0			
FH (60°-80°)	8573.8	32.5			G4/12000
FVH (80°-90°)	157.0	0.6			G2/225
BL (0°-30°)	1388.4	5.3	B3/2500		
BM (30°-60°)	2725.1	10.3	B3/5000		
BH (60°-80°)	1566.8	5.9	B3/2500		G3/2500
BVH (80°-90°)	124.8	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°	55°	57°	65°	75°	85°
0°	3181.5	3181.5	3181.5	3181.5	3181.5	3181.5	3181.5	3181.5	3181.5	3181.5	3181.5
2.5°	3226.9	3223.1	3221.2	3232.6	3228.8	3226.9	3226.9	3225.0	3221.2	3206.1	3185.3
5°	3315.8	3308.2	3300.7	3310.1	3302.6	3295.0	3293.1	3289.3	3276.1	3253.4	3221.2
7.5°	3408.5	3400.9	3402.8	3408.5	3402.8	3399.0	3393.4	3389.6	3368.8	3332.8	3289.3
10°	3539.0	3539.0	3542.8	3548.5	3550.3	3544.7	3533.3	3527.6	3503.1	3457.7	3397.1
12.5°	3728.1	3724.4	3724.4	3720.6	3726.3	3720.6	3709.2	3699.8	3669.5	3610.9	3523.9
15°	3977.8	3962.7	3949.5	3924.9	3917.3	3896.5	3900.3	3894.6	3866.2	3786.8	3677.1
17.5°	4244.5	4242.6	4221.8	4172.6	4123.5	4089.4	4097.0	4095.1	4080.0	3972.1	3832.2
20°	4479.1	4488.5	4469.6	4431.8	4365.6	4301.3	4297.5	4306.9	4288.0	4180.2	3985.4
22.5°	4742.0	4734.4	4715.5	4666.3	4617.2	4549.1	4526.4	4518.8	4511.2	4388.3	4142.4
25°	4991.7	5014.4	4989.8	4944.4	4868.7	4795.0	4776.0	4783.6	4762.8	4600.1	4310.7
27.5°	5307.5	5317.0	5301.9	5239.5	5175.1	5071.1	5035.2	5035.2	5027.6	4798.7	4443.1
30°	5644.2	5670.7	5644.2	5593.2	5527.0	5377.5	5300.0	5292.4	5269.7	5003.0	4598.2
32.5°	5982.8	6001.7	5982.8	5933.6	5858.0	5727.5	5615.9	5598.8	5568.6	5226.2	4757.1
35°	6283.6	6300.6	6296.8	6308.2	6245.7	6081.2	6013.1	6005.5	5926.1	5517.5	4972.8
37.5°	6612.7	6633.5	6605.1	6627.8	6603.2	6448.1	6427.3	6389.5	6276.0	5791.8	5199.7
40°	6987.2	7006.1	6960.7	6970.2	6941.8	6854.8	6748.9	6697.8	6529.5	6088.7	5557.2
42.5°	7388.2	7431.7	7452.5	7435.5	7369.3	7320.1	7134.7	7070.4	6930.5	6624.0	6145.5
45°	7968.9	8033.2	8063.5	8020.0	7991.6	7921.6	7694.6	7617.1	7543.3	7378.7	6966.4
47.5°	8595.0	8653.6	8750.1	8769.0	8791.7	8738.7	8419.1	8343.4	8356.6	8337.7	7976.5
50°	9094.3	9143.5	9361.0	9593.7	9786.6	9801.8	9393.2	9311.9	9383.7	9444.3	9192.7
52.5°	9457.5	9501.0	9788.5	10269.0	10705.9	11029.3	10588.6	10495.9	10554.6	10690.8	10575.4
55°	9752.6	9813.1	10113.8	10851.5	11734.9	12245.6	11963.7	11846.5	11821.9	11990.2	12056.4
57.5°	9907.7	9926.6	10348.4	11307.4	12489.6	13439.1	13562.1	13429.6	13195.1	13287.8	13632.0
60°	9554.0	9586.1	10163.0	11424.7	13085.4	14623.2	15239.8	15130.1	14630.7	14681.8	15062.0
62.5°	8576.1	8621.5	9315.6	10866.7	13134.6	15413.8	16788.9	16719.0	16049.4	15773.2	15886.7
65°	6879.4	6894.5	7613.3	9485.9	12156.7	15512.2	17869.0	17852.0	17040.5	16393.6	15907.5
67.5°	3923.0	3896.5	4857.4	6765.9	10032.5	14233.5	17939.0	18039.2	17362.1	16291.5	14583.5
70°	1700.5	1704.2	2146.9	3338.5	6493.5	11504.1	16662.2	16834.3	16431.5	14591.0	11602.5
72.5°	786.9	798.2	989.3	1445.1	2772.9	7136.6	13586.6	13741.7	13395.6	11678.1	8441.8
75°	556.1	565.6	660.1	828.5	1274.9	2780.5	9088.7	9414.0	9582.3	8734.9	5562.9
77.5°	421.8	435.0	482.3	575.0	786.9	985.5	4348.6	5124.1	6103.9	5434.3	2865.6
80°	268.6	268.6	319.7	384.0	480.4	512.6	1256.0	1488.6	2986.7	2239.5	1125.4
82.5°	181.6	187.3	217.5	244.0	276.2	291.3	539.1	575.0	862.5	762.3	463.4
85°	96.5	100.2	113.5	111.6	132.4	115.4	227.0	225.1	315.9	346.1	175.9
87.5°	0.0	0.0	1.9	1.9	3.8	5.7	24.6	26.5	66.2	105.9	58.6
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°	3181.5	3181.5	3181.5	3181.5	3181.5	3181.5	3181.5	3181.5	3181.5	3181.5	3181.5
2.5°	3196.6	3173.9	3185.3	3181.5	3192.9	3192.9	3172.0	3166.4	3168.3	3145.6	3138.0
5°	3225.0	3198.5	3204.2	3196.6	3208.0	3217.4	3208.0	3208.0	3219.3	3202.3	3192.9
7.5°	3289.3	3259.1	3259.1	3249.6	3262.8	3270.4	3262.8	3274.2	3295.0	3278.0	3268.5
10°	3391.5	3355.5	3357.4	3346.1	3351.7	3348.0	3317.7	3308.2	3313.9	3298.8	3291.2
12.5°	3523.9	3474.7	3474.7	3452.0	3438.7	3399.0	3336.6	3313.9	3317.7	3304.4	3298.8
15°	3650.6	3605.2	3595.7	3550.3	3489.8	3416.0	3359.3	3344.2	3348.0	3334.7	3325.3
17.5°	3800.0	3741.4	3707.3	3624.1	3512.5	3436.9	3380.1	3344.2	3313.9	3283.6	3276.1
20°	3938.1	3864.3	3801.9	3673.3	3537.1	3433.1	3327.1	3238.2	3164.5	3124.8	3115.3
22.5°	4080.0	3985.4	3875.7	3707.3	3535.2	3365.0	3170.2	3035.9	2926.1	2867.5	2878.9
25°	4214.3	4095.1	3945.7	3739.5	3474.7	3213.7	2948.8	2748.3	2623.5	2578.1	2564.9
27.5°	4325.9	4178.3	4010.0	3724.4	3349.8	2996.1	2646.2	2423.0	2302.0	2250.9	2237.6
30°	4450.7	4284.2	4102.7	3654.4	3153.1	2691.6	2303.8	2122.3	2035.3	1986.1	1988.0
32.5°	4594.5	4420.4	4233.2	3520.1	2901.6	2362.5	2022.0	1897.2	1827.2	1778.0	1770.4
35°	4787.4	4615.3	4320.2	3317.7	2581.9	2059.8	1829.1	1726.9	1639.9	1575.6	1562.4
37.5°	5025.7	4908.4	4329.6	3047.2	2239.5	1851.8	1691.0	1581.3	1475.4	1390.3	1380.8
40°	5434.3	5300.0	4252.1	2708.6	1948.2	1717.5	1575.6	1448.9	1325.9	1231.4	1218.1
42.5°	6016.9	5740.7	4085.6	2326.5	1728.8	1611.6	1465.9	1305.1	1180.3	1114.1	1104.6
45°	6758.3	6232.5	3836.0	1967.2	1566.2	1507.5	1350.5	1182.2	1116.0	1068.7	1059.2
47.5°	7666.2	6805.6	3548.5	1687.2	1439.4	1413.0	1233.3	1140.6	1081.9	1042.2	1032.8
50°	8752.0	7535.7	3312.0	1467.8	1325.9	1303.2	1195.4	1116.0	1068.7	1036.5	1029.0
52.5°	9990.9	8347.2	3196.6	1310.8	1227.6	1204.9	1182.2	1110.3	1070.6	1046.0	1036.5
55°	11277.1	9202.1	3088.8	1189.8	1144.4	1157.6	1184.1	1129.2	1099.0	1066.8	1057.3
57.5°	12519.8	10004.1	2824.0	1095.2	1083.8	1134.9	1193.5	1148.1	1112.2	1080.0	1068.7
60°	13376.7	10443.0	2375.7	1019.5	1038.4	1106.5	1168.9	1119.8	1074.4	1061.1	1055.5
62.5°	13607.4	10390.0	1844.2	942.0	983.6	1044.1	1104.6	1072.5	1025.2	1046.0	1047.9
65°	13068.4	9822.6	1384.6	866.3	911.7	962.8	1038.4	1025.2	1008.2	1064.9	1066.8
67.5°	11541.9	8428.5	1055.5	800.1	837.9	900.4	1017.6	1072.5	1076.3	1148.1	1140.6
70°	8733.1	6296.8	826.6	737.7	781.2	900.4	1083.8	1108.4	1063.0	1129.2	1114.1
72.5°	6037.7	4155.6	703.6	682.8	711.2	858.7	1081.9	1081.9	1032.8	1032.8	1004.4
75°	3750.8	2443.8	612.8	612.8	612.8	750.9	1051.7	996.8	909.8	870.1	847.4
77.5°	1851.8	1187.9	514.5	533.4	512.6	628.0	858.7	815.2	762.3	720.7	705.5
80°	790.6	593.9	416.1	436.9	412.3	472.9	680.9	671.5	620.4	565.6	548.5
82.5°	363.2	306.4	332.9	342.4	300.7	355.6	497.5	497.5	469.1	393.4	365.1
85°	155.1	162.7	230.8	230.8	189.1	200.5	266.7	253.5	227.0	185.4	170.2
87.5°	53.0	79.4	117.3	102.1	39.7	17.0	9.5	3.8	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)