

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: P634846

Luminaire Tested: GWS-SA3C-750-U-SL3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634846  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-750-U-SL3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

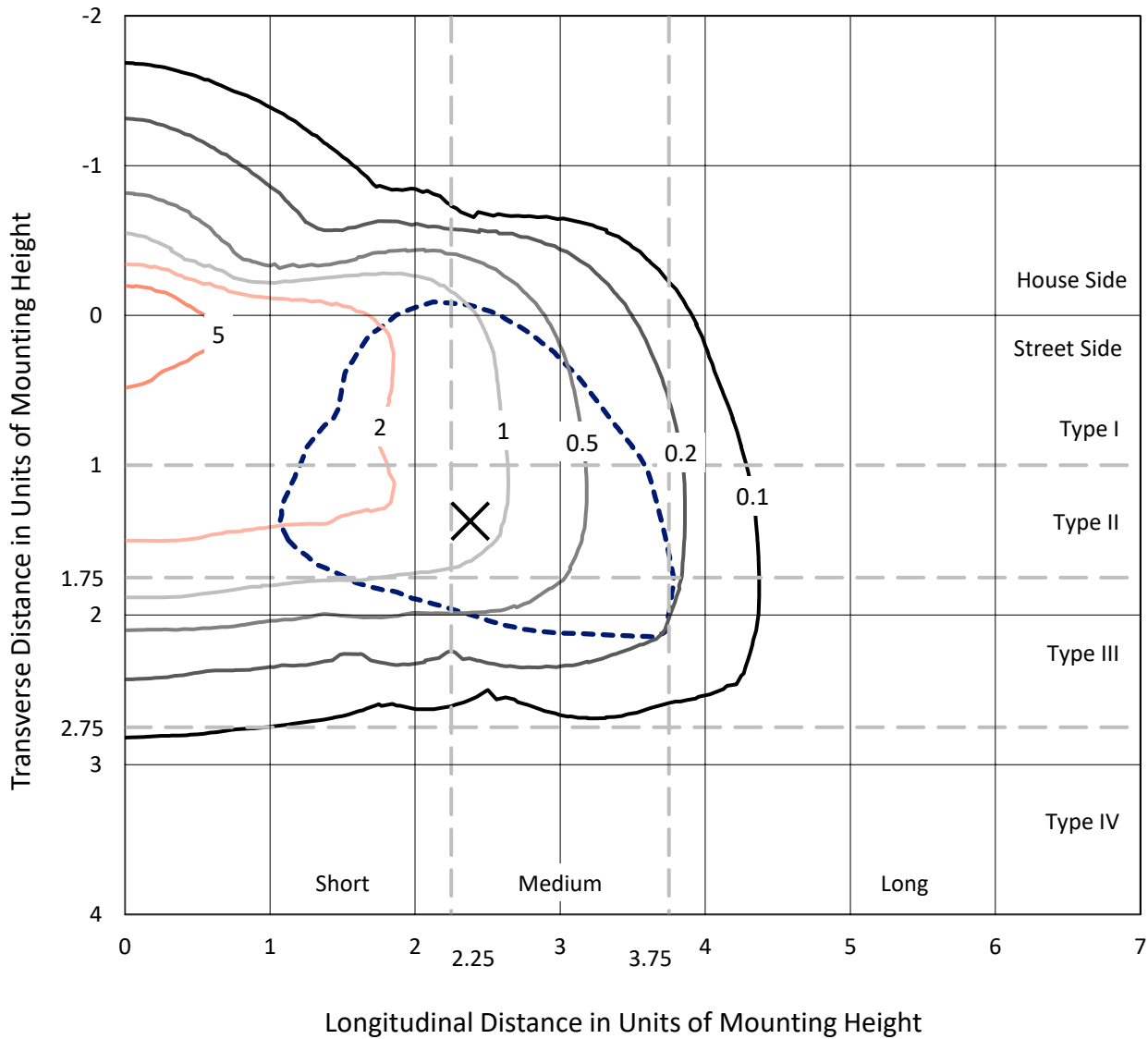
Lumens per Lamp: N/A  
Luminaire Lumens: 13981.2 lumens  
Efficiency: N/A  
Efficacy: 150.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): 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

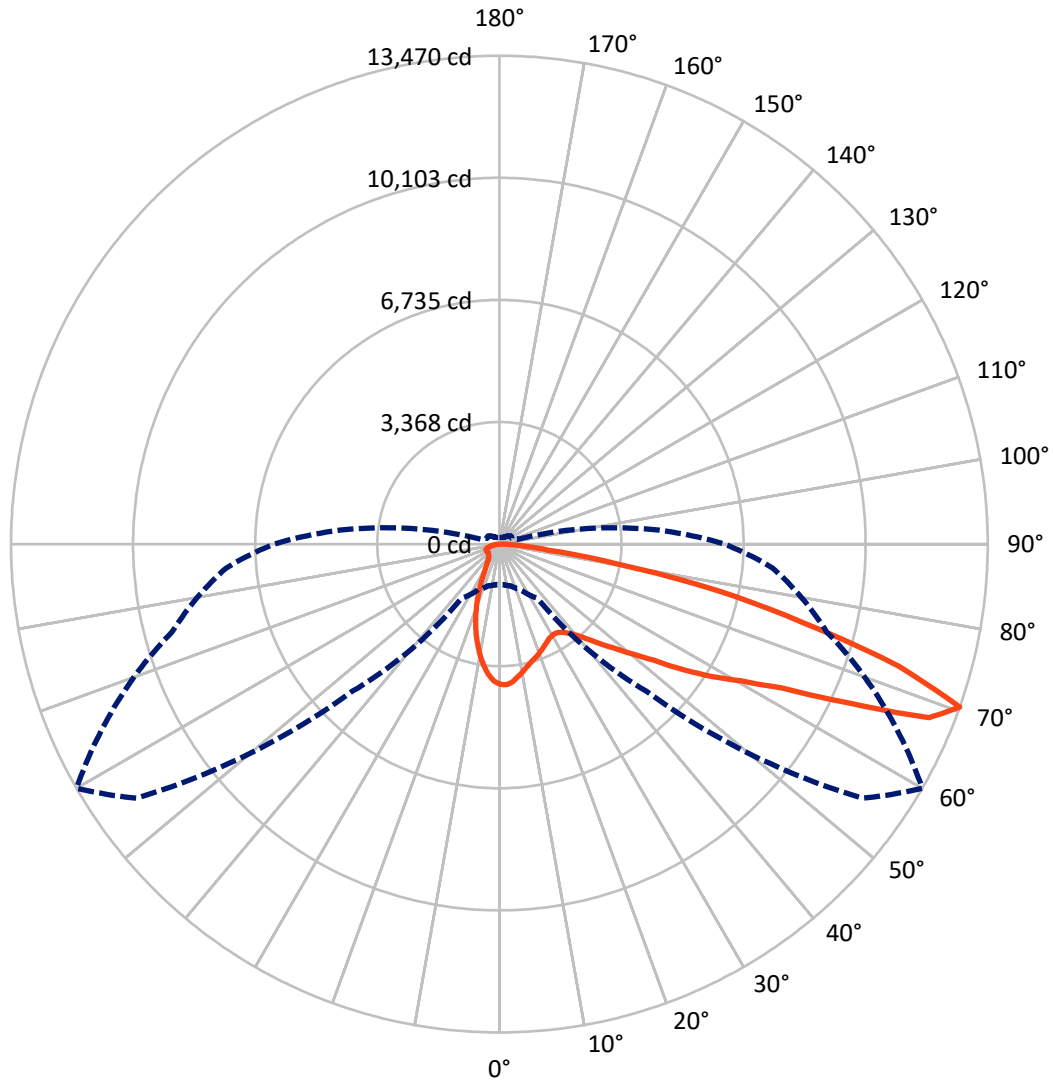
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.7 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2391.1	0.0	2391.1
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	11590.1	0.0	11590.1
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	13981.2	0.0	13981.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	333.5	2.4
10°-20°	747.1	5.3
20°-30°	956.8	6.8
30°-40°	1257.4	9.0
40°-50°	1824.3	13.0
50°-60°	2846.4	20.4
60°-70°	3726.5	26.7
70°-80°	2060.6	14.7
80°-90°	228.7	1.6
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°	13981.2	100.0
0°-180°	13981.2	100.0

**Coefficient of Utilization**



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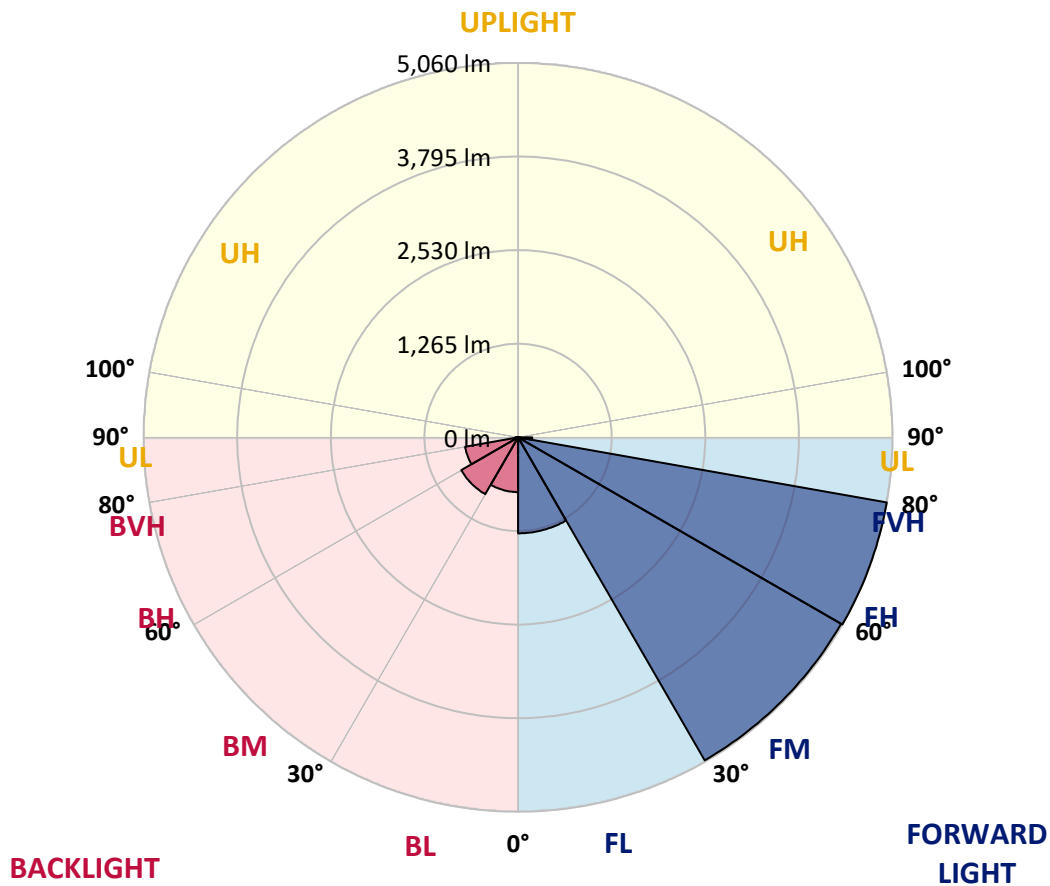
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1297.5	9.3			
FM (30°-60°)	5041.6	36.1			
FH (60°-80°)	5060.4	36.2			G3/7500
FVH (80°-90°)	190.5	1.4			G2/225
BL (0°-30°)	739.8	5.3	B2/1000		
BM (30°-60°)	886.6	6.3	B1/1000		
BH (60°-80°)	726.6	5.2	B2/1000		G2/1000
BVH (80°-90°)	38.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3868.8	3868.8	3868.8	3868.8	3868.8	3868.8	3868.8	3868.8	3868.8	3868.8	3868.8
2.5°	3814.6	3818.7	3829.9	3846.3	3862.6	3870.8	3891.3	3885.1	3881.1	3872.9	3862.6
5°	3645.8	3654.0	3664.2	3695.9	3731.7	3760.3	3806.4	3811.5	3813.5	3817.6	3801.3
7.5°	3431.0	3433.0	3457.6	3499.5	3546.6	3595.7	3672.4	3693.9	3712.3	3732.7	3719.4
10°	3193.6	3198.7	3217.2	3277.5	3358.3	3431.0	3534.3	3570.1	3609.0	3654.0	3635.5
12.5°	2999.3	3000.3	3030.0	3094.4	3182.4	3280.6	3409.5	3452.4	3503.6	3574.2	3557.8
15°	2844.8	2844.8	2872.4	2927.7	3028.9	3144.5	3298.0	3353.2	3422.8	3517.9	3489.3
17.5°	2722.1	2723.1	2740.5	2798.8	2888.8	3016.7	3198.7	3273.4	3350.1	3476.0	3433.0
20°	2657.6	2652.5	2655.6	2691.4	2768.1	2891.9	3099.5	3186.5	3289.8	3447.3	3381.9
22.5°	2654.5	2645.3	2632.0	2635.1	2680.1	2782.4	2993.1	3098.5	3228.4	3423.8	3329.7
25°	2706.7	2696.5	2673.0	2646.4	2642.3	2703.6	2892.9	3012.6	3165.0	3413.6	3279.6
27.5°	2794.7	2787.5	2756.8	2716.9	2675.0	2673.0	2817.2	2942.0	3119.0	3423.8	3243.8
30°	2911.3	2899.0	2879.6	2828.4	2765.0	2699.6	2787.5	2904.1	3088.3	3456.5	3228.4
32.5°	3043.3	3036.1	3017.7	2966.5	2899.0	2794.7	2811.1	2912.3	3088.3	3513.8	3231.5
35°	3183.4	3182.4	3182.4	3148.6	3074.0	2944.0	2904.1	2981.9	3135.3	3605.9	3264.2
37.5°	3319.5	3318.4	3351.2	3363.4	3278.5	3138.4	3062.7	3121.0	3238.6	3741.9	3345.0
40°	3429.9	3434.0	3505.6	3567.0	3520.0	3390.0	3283.7	3313.3	3406.4	3935.3	3486.2
42.5°	3541.4	3552.7	3660.1	3768.5	3786.9	3674.4	3567.0	3584.4	3646.8	4191.0	3696.9
45°	3663.2	3668.3	3818.7	3970.1	4059.0	3992.6	3904.6	3928.1	3942.4	4507.1	4011.0
47.5°	3780.8	3794.1	3988.5	4196.1	4364.9	4358.8	4309.7	4302.5	4305.6	4891.7	4382.3
50°	3941.4	3960.8	4189.0	4439.6	4687.1	4800.7	4815.0	4760.8	4738.3	5319.3	4844.7
52.5°	4246.2	4246.2	4450.8	4697.4	5029.8	5311.1	5407.3	5318.3	5246.7	5771.5	5335.7
55°	4627.8	4644.2	4806.8	5006.3	5427.7	5848.2	6173.5	6075.3	5872.7	6263.5	5850.2
57.5°	4797.6	4818.1	5075.9	5385.8	5948.4	6458.9	6910.0	6875.2	6579.6	6775.0	6384.2
60°	4490.7	4533.7	4888.7	5408.3	6420.0	7444.0	7762.1	7660.8	7238.4	7312.0	6963.2
62.5°	3746.0	3793.1	4186.9	4912.2	6354.5	8508.9	9105.2	8731.9	8060.8	7990.2	7734.5
65°	2235.1	2233.1	2706.7	3668.3	5547.4	8804.5	11230.9	10534.3	9331.3	8921.1	8528.3
67.5°	1420.9	1417.8	1517.0	1943.6	3691.8	8080.2	12597.6	12778.6	11057.0	9605.5	8593.8
70°	1121.1	1120.1	1191.7	1386.1	1826.0	5750.0	12217.0	13470.1	12099.4	9344.6	7566.7
72.5°	817.3	819.4	929.9	1161.0	1408.6	2886.8	9892.9	11525.5	11128.6	8249.0	6142.8
75°	587.2	590.2	656.7	888.9	1299.1	1578.4	6578.6	8666.4	8466.9	6612.3	4225.8
77.5°	373.4	377.5	435.8	623.0	1049.5	1274.6	3988.5	6118.2	5633.4	3725.6	1502.7
80°	228.1	241.4	290.5	464.4	838.8	956.5	1993.7	3223.3	2821.3	1021.9	505.3
82.5°	117.6	127.9	174.9	287.4	578.0	839.8	1128.3	1354.4	873.6	427.6	269.0
85°	36.8	43.0	61.4	116.6	275.2	520.7	746.8	673.1	401.0	201.5	124.8
87.5°	9.2	9.2	10.2	10.2	11.3	23.5	144.2	152.4	106.4	63.4	51.1
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°	3868.8	3868.8	3868.8	3868.8	3868.8	3868.8	3868.8	3868.8	3868.8	3868.8	3868.8
2.5°	3842.2	3817.6	3807.4	3806.4	3780.8	3744.0	3719.4	3702.0	3691.8	3689.8	3689.8
5°	3773.6	3741.9	3700.0	3668.3	3599.7	3530.2	3471.9	3439.1	3401.3	3396.2	3395.2
7.5°	3682.6	3636.6	3556.8	3467.8	3348.1	3232.5	3134.3	3067.8	3001.3	2989.0	2985.0
10°	3584.4	3522.0	3385.9	3229.4	3050.4	2877.5	2727.2	2609.5	2531.8	2476.6	2466.3
12.5°	3487.2	3404.4	3204.9	2971.7	2726.1	2489.8	2263.8	2071.5	1932.3	1851.5	1837.2
15°	3396.2	3280.6	3007.5	2709.8	2390.6	2067.4	1747.2	1497.6	1302.2	1232.6	1216.3
17.5°	3313.3	3169.1	2816.2	2438.7	2040.8	1618.3	1254.1	1032.2	917.6	882.8	874.6
20°	3230.5	3054.5	2621.8	2153.3	1669.4	1195.8	916.6	812.2	769.3	756.0	751.9
22.5°	3141.5	2928.7	2410.1	1872.0	1294.0	895.1	749.8	703.8	690.5	691.5	690.5
25°	3052.5	2800.8	2188.1	1566.1	963.6	726.3	654.7	637.3	640.4	649.6	651.6
27.5°	2978.8	2687.3	1970.2	1230.6	752.9	625.0	591.3	590.2	601.5	613.8	615.8
30°	2925.6	2586.0	1755.4	946.2	619.9	555.5	542.2	548.3	561.6	570.8	573.9
32.5°	2887.8	2499.1	1526.2	743.7	543.2	506.4	500.2	506.4	514.5	523.7	525.8
35°	2874.5	2435.6	1301.2	606.6	491.0	470.6	466.5	469.5	473.6	478.7	480.8
37.5°	2904.1	2403.9	1065.9	527.8	459.3	447.0	440.9	438.8	439.9	441.9	442.9
40°	2992.1	2418.2	873.6	481.8	438.8	427.6	417.4	413.3	412.2	414.3	413.3
42.5°	3143.5	2478.6	734.5	455.2	422.5	406.1	394.9	390.8	390.8	395.9	395.9
45°	3365.5	2597.3	634.2	435.8	408.2	387.7	375.4	373.4	377.5	385.7	386.7
47.5°	3690.8	2771.2	573.9	421.5	394.9	371.3	359.1	358.0	366.2	379.5	380.5
50°	4076.4	3021.8	541.1	411.2	385.7	358.0	345.8	346.8	356.0	370.3	373.4
52.5°	4540.9	3363.4	543.2	407.1	380.5	349.8	337.6	335.5	344.7	359.1	362.1
55°	5020.6	3778.8	583.1	408.2	373.4	345.8	329.4	322.2	330.4	340.6	341.7
57.5°	5548.5	4247.3	682.3	406.1	364.2	341.7	322.2	305.9	311.0	317.1	320.2
60°	6143.8	4798.6	896.1	410.2	360.1	332.5	307.9	286.4	285.4	289.5	290.5
62.5°	6939.7	5548.5	1136.5	417.4	369.3	321.2	286.4	263.9	259.8	261.9	262.9
65°	7548.3	5906.5	1060.8	411.2	388.7	313.0	266.0	242.4	234.3	232.2	232.2
67.5°	7300.8	5432.9	738.6	394.9	397.9	314.0	249.6	219.9	209.7	204.6	203.6
70°	6212.3	4413.0	513.5	378.5	387.7	312.0	232.2	201.5	188.2	181.1	180.0
72.5°	4908.1	3369.6	415.3	345.8	351.9	281.3	206.6	181.1	169.8	160.6	160.6
75°	3158.9	2056.1	346.8	307.9	287.4	218.9	179.0	161.6	150.4	141.2	141.2
77.5°	1062.8	763.1	269.0	260.9	214.8	164.7	150.4	139.1	129.9	121.7	120.7
80°	431.7	362.1	197.4	197.4	150.4	125.8	117.6	112.5	106.4	96.2	96.2
82.5°	250.6	219.9	138.1	119.7	100.2	87.0	81.8	76.7	76.7	69.6	69.6
85°	120.7	121.7	82.9	73.7	57.3	50.1	48.1	45.0	44.0	39.9	38.9
87.5°	65.5	66.5	41.9	32.7	22.5	19.4	16.4	15.3	14.3	13.3	13.3
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)