

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: P641665

Luminaire Tested: GWS-SA6B-735-U-SL3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641665  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-735-U-SL3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (96) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

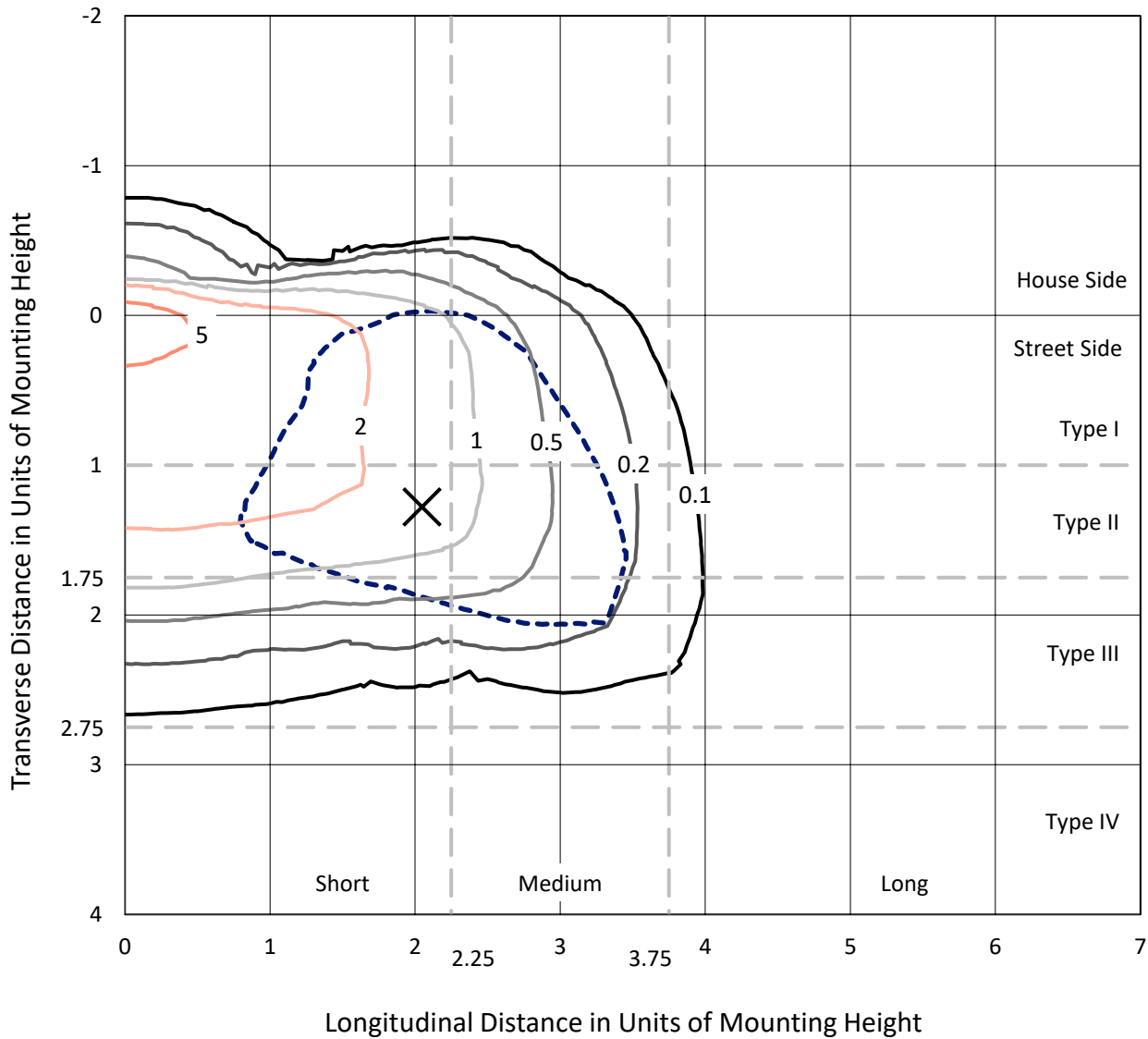
Lumens per Lamp: N/A  
Luminaire Lumens: 16913.1 lumens  
Efficiency: N/A  
Efficacy: 121.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): 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

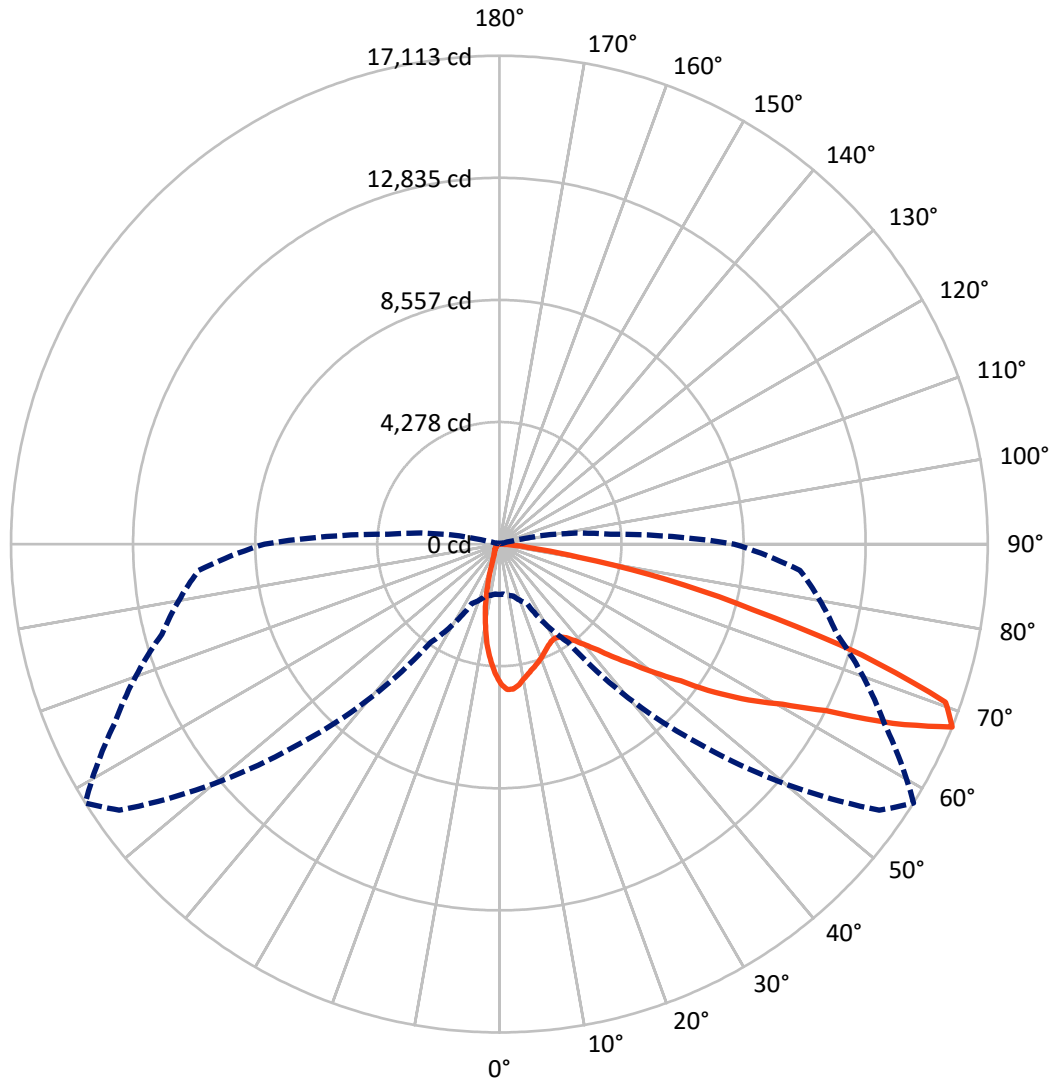
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1652.3	0.0	1652.3
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	15260.8	0.0	15260.8
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	16913.1	0.0	16913.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	396.4	2.3
10°-20°	825.2	4.9
20°-30°	1112.9	6.6
30°-40°	1563.8	9.2
40°-50°	2415.1	14.3
50°-60°	3862.1	22.8
60°-70°	4573.1	27.0
70°-80°	2023.0	12.0
80°-90°	141.4	0.8
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°	16913.1	100.0
0°-180°	16913.1	100.0

**Coefficient of Utilization**

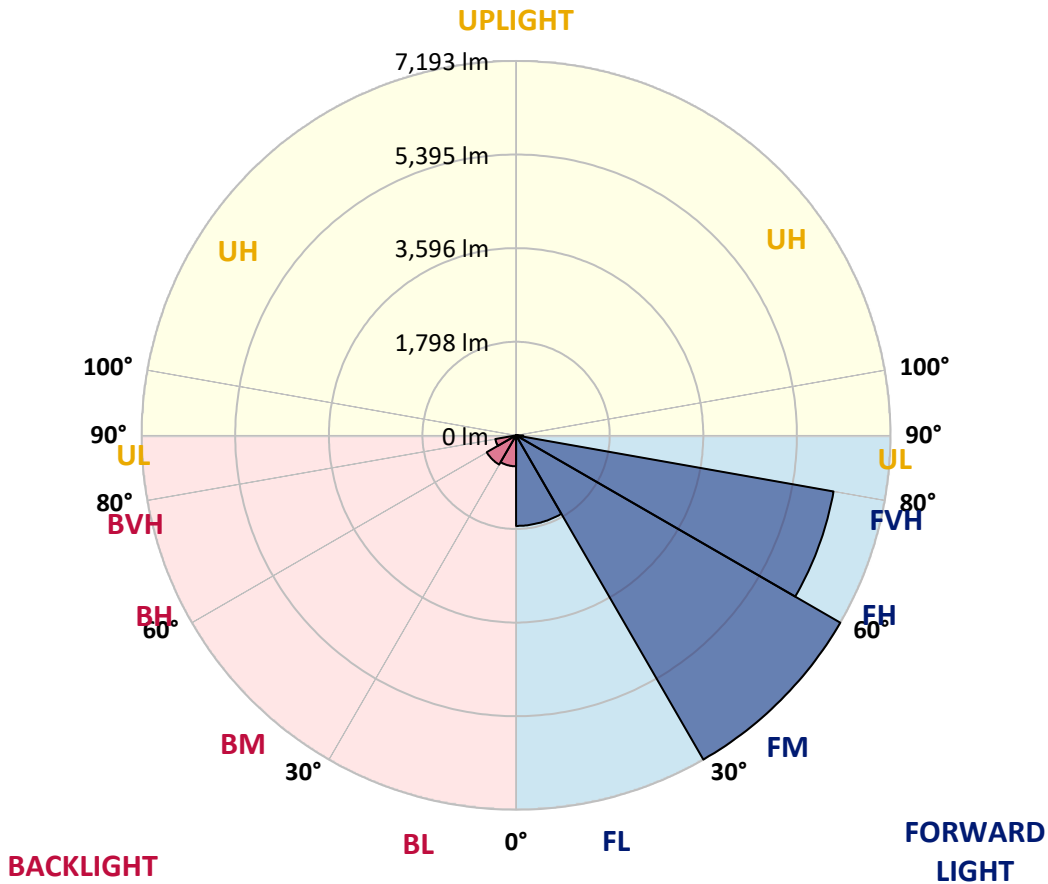


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1739.9	10.3			
FM (30°-60°)	7192.8	42.5			
FH (60°-80°)	6192.7	36.6			G3/7500
FVH (80°-90°)	135.4	0.8			G2/225
BL (0°-30°)	594.6	3.5	B2/1000		
BM (30°-60°)	648.3	3.8	B1/1000		
BH (60°-80°)	403.4	2.4	B1/500		G1/500
BVH (80°-90°)	6.0	0.0			G0/10
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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	4878.5	4878.5	4878.5	4878.5	4878.5	4878.5	4878.5	4878.5	4878.5	4878.5	4878.5
2.5°	5131.5	5140.5	5152.5	5167.4	5164.4	5151.0	5134.5	5097.1	5073.1	4998.3	4907.0
5°	4966.9	4965.4	4995.3	5023.7	5074.6	5101.6	5139.0	5104.6	5092.6	5002.8	4854.6
7.5°	4645.0	4661.5	4695.9	4740.8	4814.2	4893.5	4983.3	4972.8	5008.8	4948.9	4764.8
10°	4329.2	4320.2	4374.1	4441.4	4553.7	4655.5	4785.7	4784.2	4878.5	4872.5	4663.0
12.5°	4052.2	4050.7	4092.6	4169.0	4300.7	4442.9	4619.6	4624.1	4740.8	4788.7	4576.1
15°	3818.7	3821.7	3862.1	3941.4	4077.7	4251.3	4456.4	4493.8	4625.5	4722.8	4490.8
17.5°	3652.5	3654.0	3678.0	3746.8	3880.1	4065.7	4312.7	4363.6	4532.7	4673.5	4422.0
20°	3576.2	3570.2	3574.7	3609.1	3712.4	3881.6	4166.0	4231.9	4447.4	4639.0	4359.1
22.5°	3586.7	3577.7	3556.7	3552.2	3598.6	3727.4	4010.3	4091.1	4354.6	4618.1	4302.2
25°	3679.5	3660.0	3630.1	3585.2	3567.2	3631.6	3874.1	3957.9	4267.8	4619.6	4258.8
27.5°	3821.7	3800.7	3763.3	3703.4	3633.1	3606.1	3781.3	3860.6	4206.4	4654.0	4237.8
30°	4002.8	3986.4	3950.4	3878.6	3784.3	3673.5	3761.8	3827.7	4176.5	4724.3	4246.8
32.5°	4216.9	4204.9	4175.0	4109.1	4001.3	3832.2	3827.7	3878.6	4200.4	4826.1	4281.3
35°	4423.5	4428.0	4429.4	4393.5	4278.3	4073.2	4008.8	4026.8	4299.2	4978.8	4359.1
37.5°	4646.5	4636.0	4689.9	4715.4	4604.6	4386.0	4288.7	4290.2	4487.8	5204.9	4505.8
40°	4815.7	4818.7	4935.4	5040.2	4993.8	4782.7	4643.5	4642.0	4778.2	5514.7	4742.3
42.5°	4974.3	4993.8	5165.9	5345.6	5409.9	5222.8	5122.5	5085.1	5185.4	5933.9	5097.1
45°	5143.5	5171.9	5412.9	5668.9	5838.1	5727.3	5648.0	5662.9	5674.9	6421.9	5574.6
47.5°	5341.1	5359.1	5656.9	6017.7	6333.6	6305.1	6309.6	6291.6	6285.7	7037.1	6206.3
50°	5580.6	5622.5	5965.3	6396.4	6827.5	7016.2	7079.0	7086.5	6989.2	7707.8	6860.5
52.5°	6089.6	6140.5	6433.9	6811.1	7366.4	7763.1	8019.1	7968.2	7818.5	8357.4	7577.5
55°	6689.8	6728.8	7011.7	7402.4	8025.1	8582.0	9189.7	9168.8	8802.0	9041.5	8167.3
57.5°	6746.7	6790.1	7228.7	7827.5	8870.9	9593.9	10233.1	10300.5	9763.1	9526.5	8694.2
60°	6107.5	6195.8	6794.6	7600.0	9194.2	10954.6	11376.8	11390.2	10468.1	10019.0	9337.9
62.5°	4895.0	4936.9	5540.2	6591.0	8695.7	11748.0	13123.7	12839.3	11373.8	10781.0	10357.3
65°	2565.8	2736.4	3261.8	4425.0	7052.1	11471.1	15225.4	15147.5	13002.4	11872.2	11150.7
67.5°	1760.4	1758.9	1883.2	2306.8	4204.9	9876.8	16256.8	17113.0	14885.6	12246.5	10575.9
70°	1339.8	1344.3	1455.0	1730.5	2178.0	6574.6	15125.1	16589.1	15235.9	11119.3	8553.5
72.5°	889.2	898.2	1082.3	1398.1	1739.4	3222.9	11754.0	13273.4	12819.8	8930.8	6020.7
75°	531.4	538.9	670.6	1016.4	1546.3	1803.8	7468.2	9176.3	8824.5	6155.4	3227.4
77.5°	218.6	224.5	344.3	633.2	1131.7	1401.1	4130.1	6004.2	5285.7	2447.5	881.7
80°	91.3	94.3	166.2	443.1	815.8	878.7	1913.1	2821.7	2166.1	526.9	269.4
82.5°	32.9	34.4	61.4	244.0	507.5	661.6	965.5	1115.2	610.8	172.1	145.2
85°	1.5	1.5	15.0	82.3	193.1	187.1	552.4	534.4	202.1	71.9	86.8
87.5°	0.0	0.0	1.5	1.5	3.0	7.5	52.4	92.8	43.4	18.0	37.4
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°	4878.5	4878.5	4878.5	4878.5	4878.5	4878.5	4878.5	4878.5	4878.5	4878.5	4878.5
2.5°	4847.1	4767.8	4680.9	4600.1	4471.4	4395.0	4300.7	4258.8	4198.9	4184.0	4192.9
5°	4748.3	4612.1	4404.0	4215.4	3971.4	3775.3	3577.7	3493.9	3386.1	3314.2	3284.3
7.5°	4609.1	4430.9	4106.1	3763.3	3428.0	3070.2	2797.8	2618.2	2455.0	2365.2	2347.2
10°	4468.4	4236.3	3770.8	3279.8	2760.4	2332.2	1964.0	1691.5	1470.0	1369.7	1291.9
12.5°	4323.2	4034.3	3429.5	2788.8	2185.5	1601.7	1146.7	881.7	723.0	660.2	670.6
15°	4189.9	3839.7	3091.2	2297.8	1538.9	967.0	633.2	534.4	497.0	485.0	483.5
17.5°	4062.7	3655.5	2754.4	1820.3	1014.9	592.8	485.0	461.1	450.6	444.6	444.6
20°	3947.4	3478.9	2425.0	1371.2	655.7	470.0	438.6	426.6	417.6	413.2	413.2
22.5°	3839.7	3308.2	2103.2	970.0	483.5	422.1	402.7	390.7	380.2	374.2	374.2
25°	3742.4	3154.1	1796.3	667.6	416.1	386.2	365.3	351.8	333.8	323.3	323.3
27.5°	3672.0	3016.3	1501.4	486.5	375.7	347.3	323.3	305.4	285.9	273.9	270.9
30°	3630.1	2899.6	1203.5	399.7	338.3	309.9	282.9	260.5	238.0	226.0	224.5
32.5°	3606.1	2791.8	931.1	348.8	306.9	273.9	244.0	220.1	197.6	184.1	182.6
35°	3615.1	2708.0	697.6	314.4	276.9	242.5	209.6	185.6	166.2	154.2	151.2
37.5°	3693.0	2670.5	523.9	287.4	251.5	215.6	181.1	158.7	140.7	131.7	130.2
40°	3844.1	2678.0	411.7	266.5	230.5	188.6	155.7	134.7	121.3	113.8	112.3
42.5°	4079.2	2740.9	339.8	248.5	208.1	164.7	134.7	118.3	104.8	97.3	95.8
45°	4429.4	2871.1	296.4	227.5	184.1	142.2	116.8	101.8	89.8	80.8	79.3
47.5°	4936.9	3097.2	268.0	208.1	163.2	122.7	100.3	85.3	74.8	67.4	65.9
50°	5477.3	3368.1	244.0	188.6	145.2	106.3	85.3	70.4	61.4	53.9	52.4
52.5°	6053.6	3660.0	226.0	170.7	128.7	91.3	71.9	58.4	49.4	41.9	40.4
55°	6607.5	3953.4	205.1	158.7	109.3	77.8	59.9	47.9	38.9	32.9	32.9
57.5°	7146.4	4222.9	182.6	139.2	89.8	65.9	49.4	38.9	31.4	26.9	25.4
60°	7790.1	4595.6	157.2	118.3	74.8	55.4	40.4	31.4	25.4	21.0	21.0
62.5°	8746.6	4983.3	134.7	98.8	62.9	46.4	32.9	25.4	21.0	18.0	16.5
65°	9059.5	4773.7	113.8	80.8	50.9	37.4	26.9	22.5	18.0	16.5	15.0
67.5°	8224.2	3913.0	94.3	65.9	41.9	31.4	24.0	19.5	16.5	15.0	13.5
70°	6417.4	2776.8	73.4	49.4	34.4	25.4	21.0	18.0	15.0	13.5	13.5
72.5°	4365.1	1642.1	58.4	37.4	28.4	22.5	18.0	16.5	15.0	13.5	12.0
75°	2149.6	583.8	44.9	28.4	22.5	19.5	16.5	15.0	13.5	12.0	12.0
77.5°	579.3	161.7	34.4	22.5	18.0	15.0	15.0	15.0	13.5	10.5	10.5
80°	196.1	67.4	25.4	16.5	15.0	12.0	10.5	13.5	12.0	10.5	9.0
82.5°	107.8	32.9	18.0	13.5	10.5	9.0	9.0	9.0	9.0	7.5	7.5
85°	68.9	18.0	12.0	10.5	10.5	7.5	6.0	6.0	4.5	4.5	4.5
87.5°	31.4	10.5	10.5	9.0	9.0	7.5	4.5	3.0	1.5	1.5	1.5
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)