

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: P641995

Luminaire Tested: GWS-SA6C-722-U-SL3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641995  
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-SA6C-722-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) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

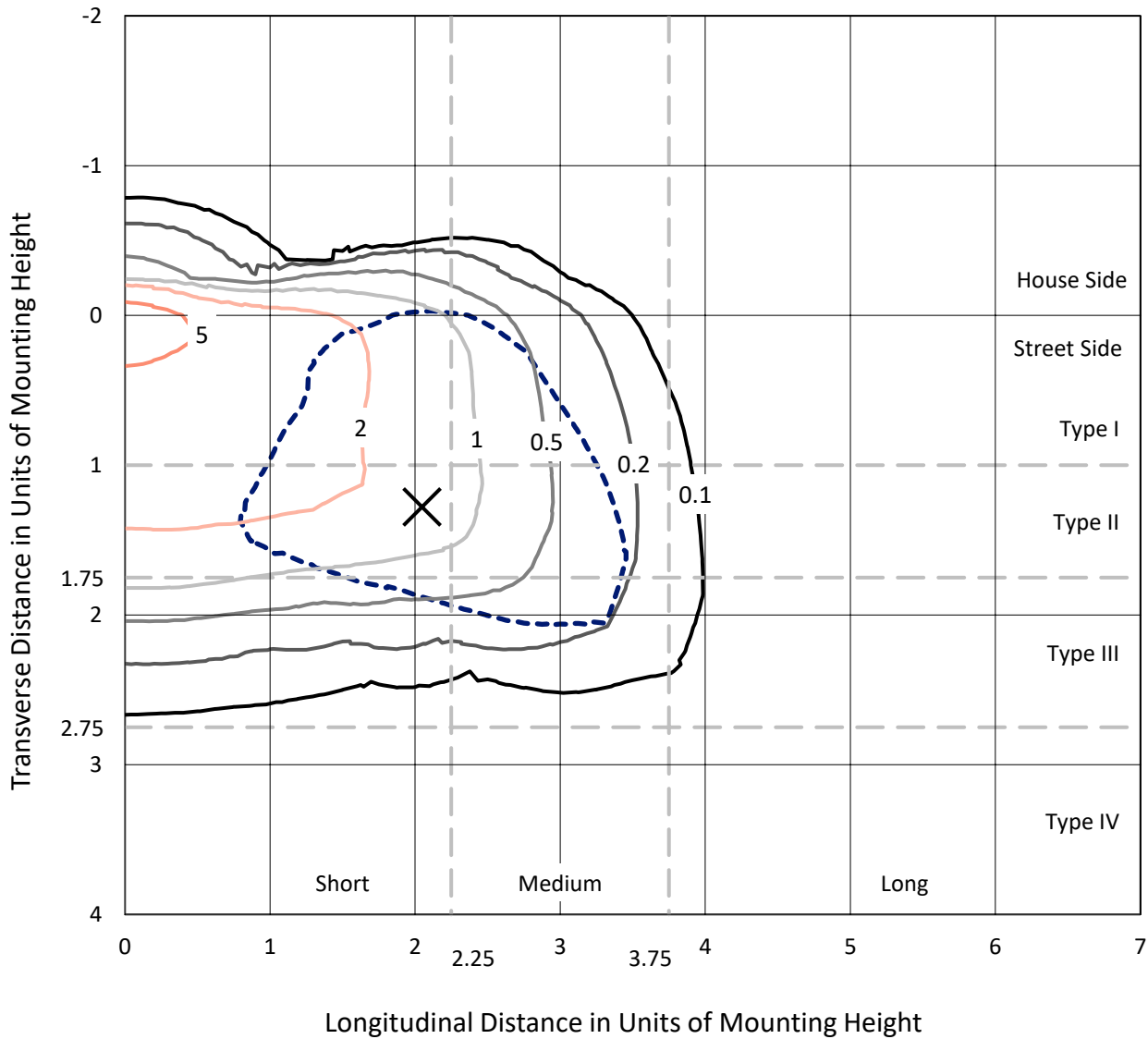
Lumens per Lamp: N/A  
Luminaire Lumens: 16939.8 lumens  
Efficiency: N/A  
Efficacy: 89.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

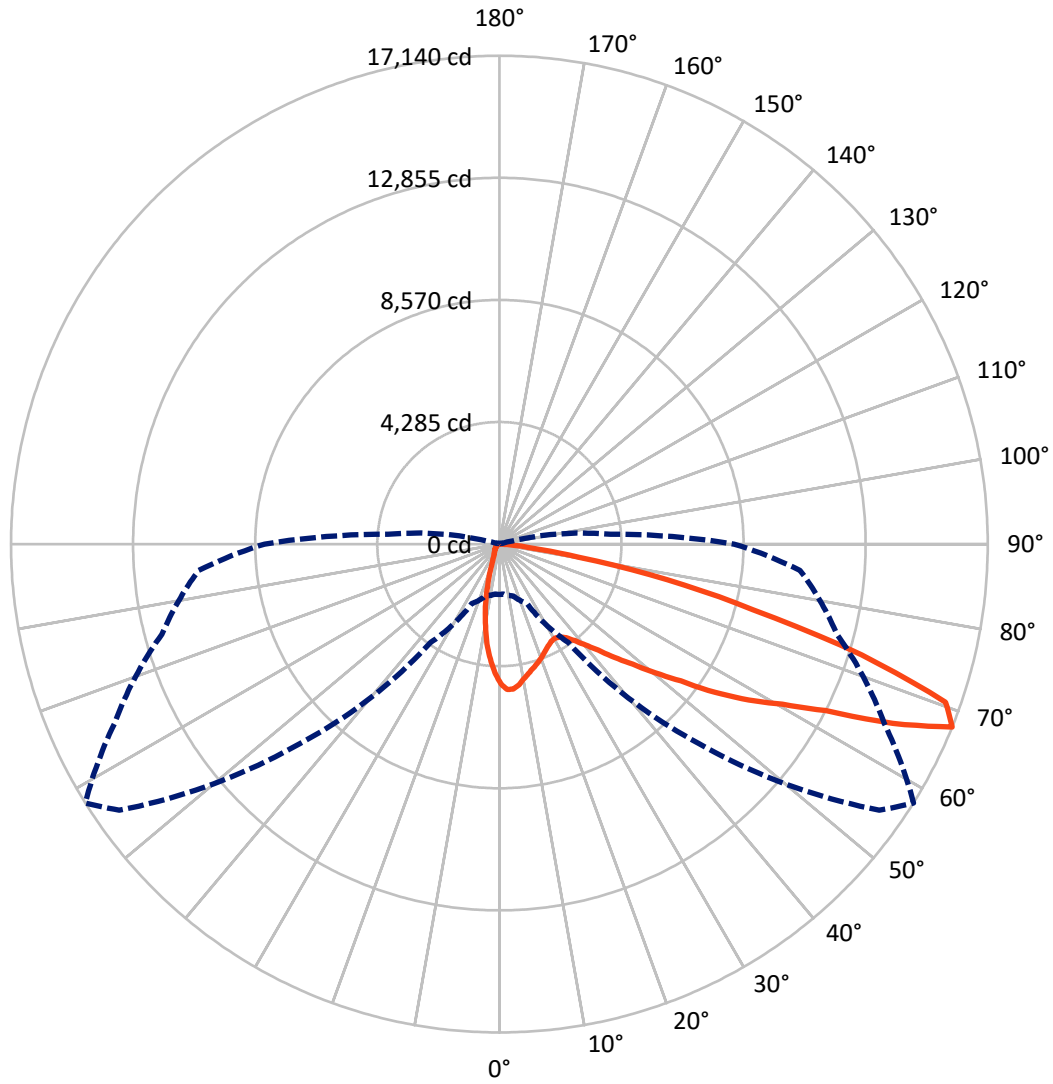
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	1654.9	0.0	1654.9
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	15284.9	0.0	15284.9
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	16939.8	0.0	16939.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	397.1	2.3
10°-20°	826.5	4.9
20°-30°	1114.6	6.6
30°-40°	1566.3	9.2
40°-50°	2419.0	14.3
50°-60°	3868.2	22.8
60°-70°	4580.3	27.0
70°-80°	2026.2	12.0
80°-90°	141.7	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°	16939.8	100.0
0°-180°	16939.8	100.0

**Coefficient of Utilization**



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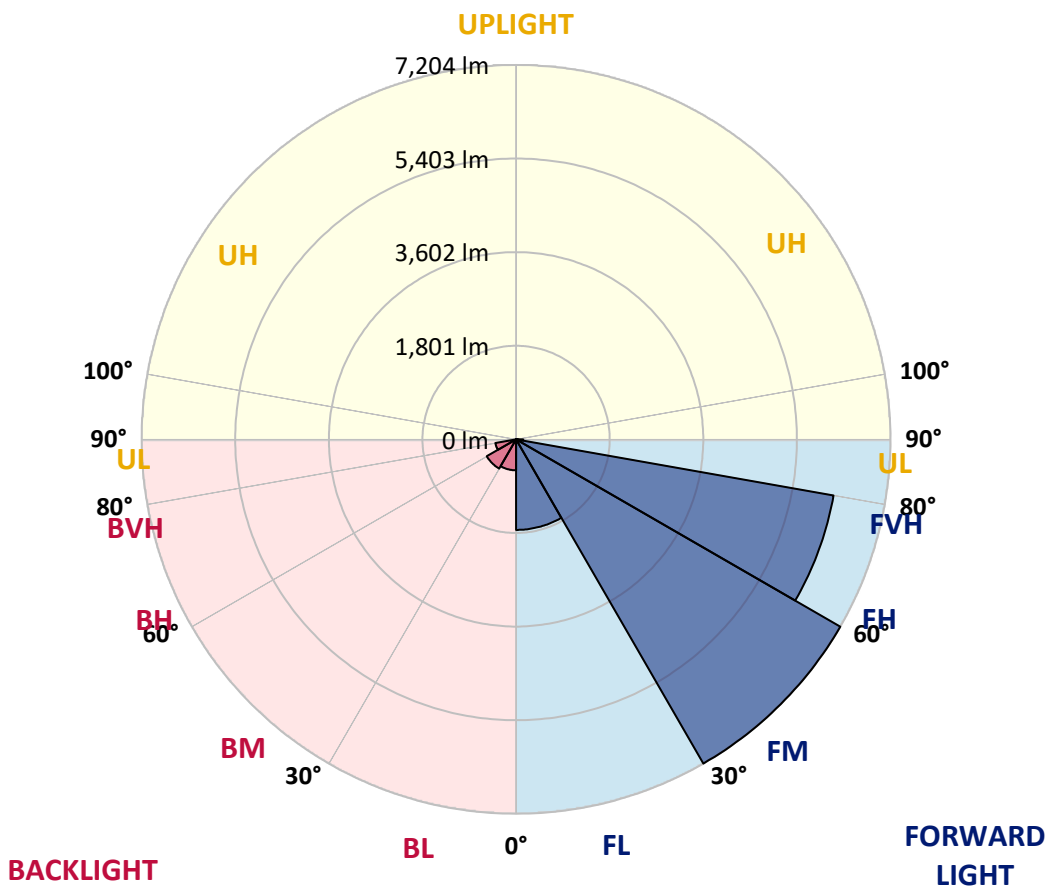
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1742.7	10.3			
FM (30°-60°)	7204.1	42.5			
FH (60°-80°)	6202.5	36.6			G3/7500
FVH (80°-90°)	135.6	0.8			G2/225
BL (0°-30°)	595.5	3.5	B2/1000		
BM (30°-60°)	649.3	3.8	B1/1000		
BH (60°-80°)	404.0	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°	4886.2	4886.2	4886.2	4886.2	4886.2	4886.2	4886.2	4886.2	4886.2	4886.2	4886.2
2.5°	5139.6	5148.6	5160.6	5175.6	5172.6	5159.1	5142.6	5105.1	5081.1	5006.2	4914.7
5°	4974.7	4973.2	5003.2	5031.7	5082.6	5109.6	5147.1	5112.6	5100.6	5010.7	4862.2
7.5°	4652.3	4668.8	4703.3	4748.3	4821.8	4901.2	4991.2	4980.7	5016.7	4956.7	4772.3
10°	4336.0	4327.0	4381.0	4448.4	4560.9	4662.8	4793.3	4791.8	4886.2	4880.2	4670.3
12.5°	4058.6	4057.1	4099.1	4175.6	4307.5	4449.9	4626.9	4631.4	4748.3	4796.3	4583.4
15°	3824.7	3827.7	3868.2	3947.7	4084.1	4258.0	4463.4	4500.9	4632.9	4730.3	4497.9
17.5°	3658.3	3659.8	3683.8	3752.8	3886.2	4072.1	4319.5	4370.5	4539.9	4680.8	4428.9
20°	3581.8	3575.8	3580.3	3614.8	3718.3	3887.7	4172.6	4238.5	4454.4	4646.3	4366.0
22.5°	3592.3	3583.3	3562.3	3557.8	3604.3	3733.3	4016.6	4097.6	4361.5	4625.4	4309.0
25°	3685.3	3665.8	3635.8	3590.8	3572.8	3637.3	3880.2	3964.2	4274.5	4626.9	4265.5
27.5°	3827.7	3806.7	3769.3	3709.3	3638.8	3611.8	3787.2	3866.7	4213.0	4661.3	4244.5
30°	4009.1	3992.6	3956.7	3884.7	3790.2	3679.3	3767.8	3833.7	4183.1	4731.8	4253.5
32.5°	4223.5	4211.5	4181.6	4115.6	4007.6	3838.2	3833.7	3884.7	4207.0	4833.8	4288.0
35°	4430.4	4434.9	4436.4	4400.5	4285.0	4079.6	4015.1	4033.1	4306.0	4986.7	4366.0
37.5°	4653.8	4643.3	4697.3	4722.8	4611.9	4393.0	4295.5	4297.0	4494.9	5213.1	4512.9
40°	4823.3	4826.3	4943.2	5048.2	5001.7	4790.3	4650.8	4649.3	4785.8	5523.4	4749.8
42.5°	4982.2	5001.7	5174.1	5354.0	5418.5	5231.1	5130.6	5093.1	5193.6	5943.2	5105.1
45°	5151.6	5180.1	5421.5	5677.9	5847.3	5736.3	5656.9	5671.9	5683.9	6432.0	5583.4
47.5°	5349.5	5367.5	5665.9	6027.2	6343.6	6315.1	6319.6	6301.6	6295.6	7048.2	6216.1
50°	5589.4	5631.4	5974.7	6406.5	6838.3	7027.2	7090.2	7097.7	7000.3	7719.9	6871.3
52.5°	6099.2	6150.1	6444.0	6821.8	7378.1	7775.4	8031.8	7980.8	7830.9	8370.6	7589.5
55°	6700.4	6739.4	7022.7	7414.1	8037.8	8595.5	9204.2	9183.2	8815.9	9055.8	8180.2
57.5°	6757.4	6800.8	7240.1	7839.9	8884.9	9609.0	10249.2	10316.7	9778.5	9541.6	8708.0
60°	6117.2	6205.6	6805.3	7612.0	9208.7	10971.9	11394.7	11408.2	10484.6	10034.8	9352.7
62.5°	4902.7	4944.7	5548.9	6601.4	8709.5	11766.5	13144.4	12859.5	11391.7	10798.0	10373.7
65°	2569.8	2740.7	3267.0	4431.9	7063.2	11489.2	15249.4	15171.5	13023.0	11891.0	11168.3
67.5°	1763.2	1761.7	1886.1	2310.4	4211.5	9892.4	16282.4	17140.0	14909.1	12265.8	10592.6
70°	1341.9	1346.4	1457.3	1733.2	2181.5	6584.9	15149.0	16615.3	15259.9	11136.8	8567.0
72.5°	890.6	899.6	1084.0	1400.4	1742.2	3228.0	11772.5	13294.3	12840.0	8944.9	6030.2
75°	532.3	539.7	671.7	1018.0	1548.8	1806.7	7480.0	9190.7	8838.4	6165.1	3232.5
77.5°	218.9	224.9	344.8	634.2	1133.5	1403.3	4136.6	6013.7	5294.0	2451.4	883.1
80°	91.5	94.5	166.4	443.8	817.1	880.1	1916.1	2826.2	2169.5	527.8	269.9
82.5°	33.0	34.5	61.5	244.4	508.3	662.7	967.1	1117.0	611.7	172.4	145.4
85°	1.5	1.5	15.0	82.5	193.4	187.4	553.2	535.3	202.4	72.0	87.0
87.5°	0.0	0.0	1.5	1.5	3.0	7.5	52.5	93.0	43.5	18.0	37.5
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°	4886.2	4886.2	4886.2	4886.2	4886.2	4886.2	4886.2	4886.2	4886.2	4886.2	4886.2
2.5°	4854.7	4775.3	4688.3	4607.4	4478.4	4402.0	4307.5	4265.5	4205.5	4190.6	4199.6
5°	4755.8	4619.4	4411.0	4222.0	3977.7	3781.2	3583.3	3499.4	3391.4	3319.5	3289.5
7.5°	4616.4	4437.9	4112.6	3769.3	3433.4	3075.1	2802.2	2622.3	2458.9	2368.9	2350.9
10°	4475.4	4243.0	3776.7	3285.0	2764.7	2335.9	1967.1	1694.2	1472.3	1371.9	1293.9
12.5°	4330.0	4040.6	3434.9	2793.2	2189.0	1604.3	1148.5	883.1	724.2	661.2	671.7
15°	4196.6	3845.7	3096.1	2301.4	1541.3	968.6	634.2	535.3	497.8	485.8	484.3
17.5°	4069.1	3661.3	2758.7	1823.2	1016.5	593.7	485.8	461.8	451.3	445.3	445.3
20°	3953.7	3484.4	2428.9	1373.4	656.7	470.8	439.3	427.3	418.3	413.8	413.8
22.5°	3845.7	3313.5	2106.5	971.5	484.3	422.8	403.3	391.3	380.8	374.8	374.8
25°	3748.3	3159.0	1799.2	668.7	416.8	386.8	365.8	352.3	334.3	323.8	323.8
27.5°	3677.8	3021.1	1503.8	487.3	376.3	347.8	323.8	305.9	286.4	274.4	271.4
30°	3635.8	2904.2	1205.4	400.3	338.8	310.4	283.4	260.9	238.4	226.4	224.9
32.5°	3611.8	2796.2	932.6	349.3	307.4	274.4	244.4	220.4	197.9	184.4	182.9
35°	3620.8	2712.2	698.7	314.9	277.4	242.9	209.9	185.9	166.4	154.4	151.4
37.5°	3698.8	2674.8	524.8	287.9	251.9	215.9	181.4	158.9	140.9	131.9	130.4
40°	3850.2	2682.3	412.3	266.9	230.9	188.9	155.9	134.9	121.4	113.9	112.4
42.5°	4085.6	2745.2	340.3	248.9	208.4	164.9	134.9	118.4	105.0	97.5	96.0
45°	4436.4	2875.7	296.9	227.9	184.4	142.4	116.9	102.0	90.0	81.0	79.5
47.5°	4944.7	3102.1	268.4	208.4	163.4	122.9	100.5	85.5	75.0	67.5	66.0
50°	5486.0	3373.4	244.4	188.9	145.4	106.5	85.5	70.5	61.5	54.0	52.5
52.5°	6063.2	3665.8	226.4	170.9	128.9	91.5	72.0	58.5	49.5	42.0	40.5
55°	6617.9	3959.7	205.4	158.9	109.4	78.0	60.0	48.0	39.0	33.0	33.0
57.5°	7157.7	4229.5	182.9	139.4	90.0	66.0	49.5	39.0	31.5	27.0	25.5
60°	7802.4	4602.9	157.4	118.4	75.0	55.5	40.5	31.5	25.5	21.0	21.0
62.5°	8760.4	4991.2	134.9	99.0	63.0	46.5	33.0	25.5	21.0	18.0	16.5
65°	9073.8	4781.3	113.9	81.0	51.0	37.5	27.0	22.5	18.0	16.5	15.0
67.5°	8237.2	3919.2	94.5	66.0	42.0	31.5	24.0	19.5	16.5	15.0	13.5
70°	6427.5	2781.2	73.5	49.5	34.5	25.5	21.0	18.0	15.0	13.5	13.5
72.5°	4372.0	1644.7	58.5	37.5	28.5	22.5	18.0	16.5	15.0	13.5	12.0
75°	2153.0	584.7	45.0	28.5	22.5	19.5	16.5	15.0	13.5	12.0	12.0
77.5°	580.2	161.9	34.5	22.5	18.0	15.0	15.0	15.0	13.5	10.5	10.5
80°	196.4	67.5	25.5	16.5	15.0	12.0	10.5	13.5	12.0	10.5	9.0
82.5°	107.9	33.0	18.0	13.5	10.5	9.0	9.0	9.0	9.0	7.5	7.5
85°	69.0	18.0	12.0	10.5	10.5	7.5	6.0	6.0	4.5	4.5	4.5
87.5°	31.5	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)