

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: P642484

Luminaire Tested: GWS-SA6D-722-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642484  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6D-722-U-SL2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

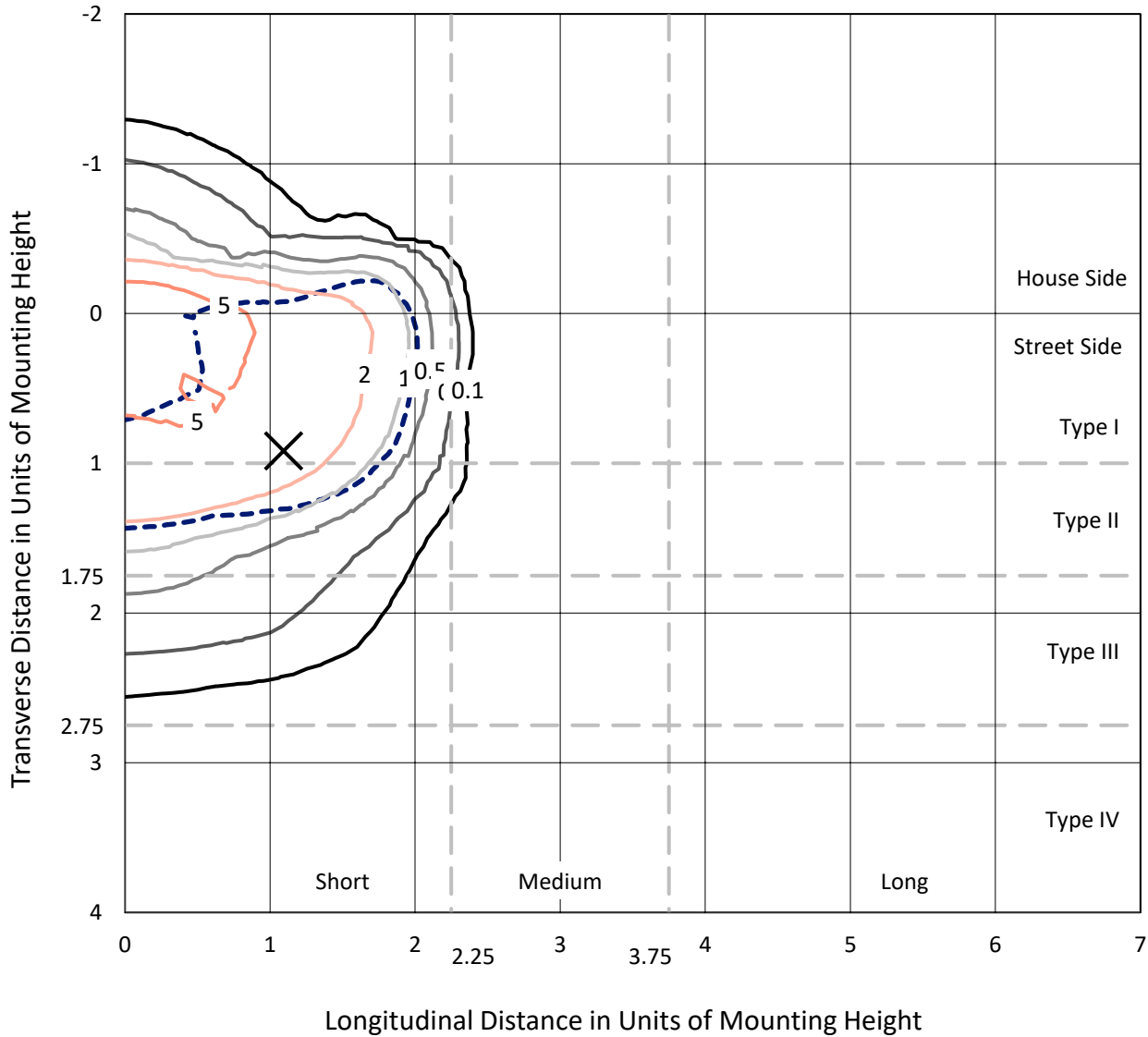
Lumens per Lamp: N/A  
Luminaire Lumens: 15493.6 lumens  
Efficiency: N/A  
Efficacy: 63.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

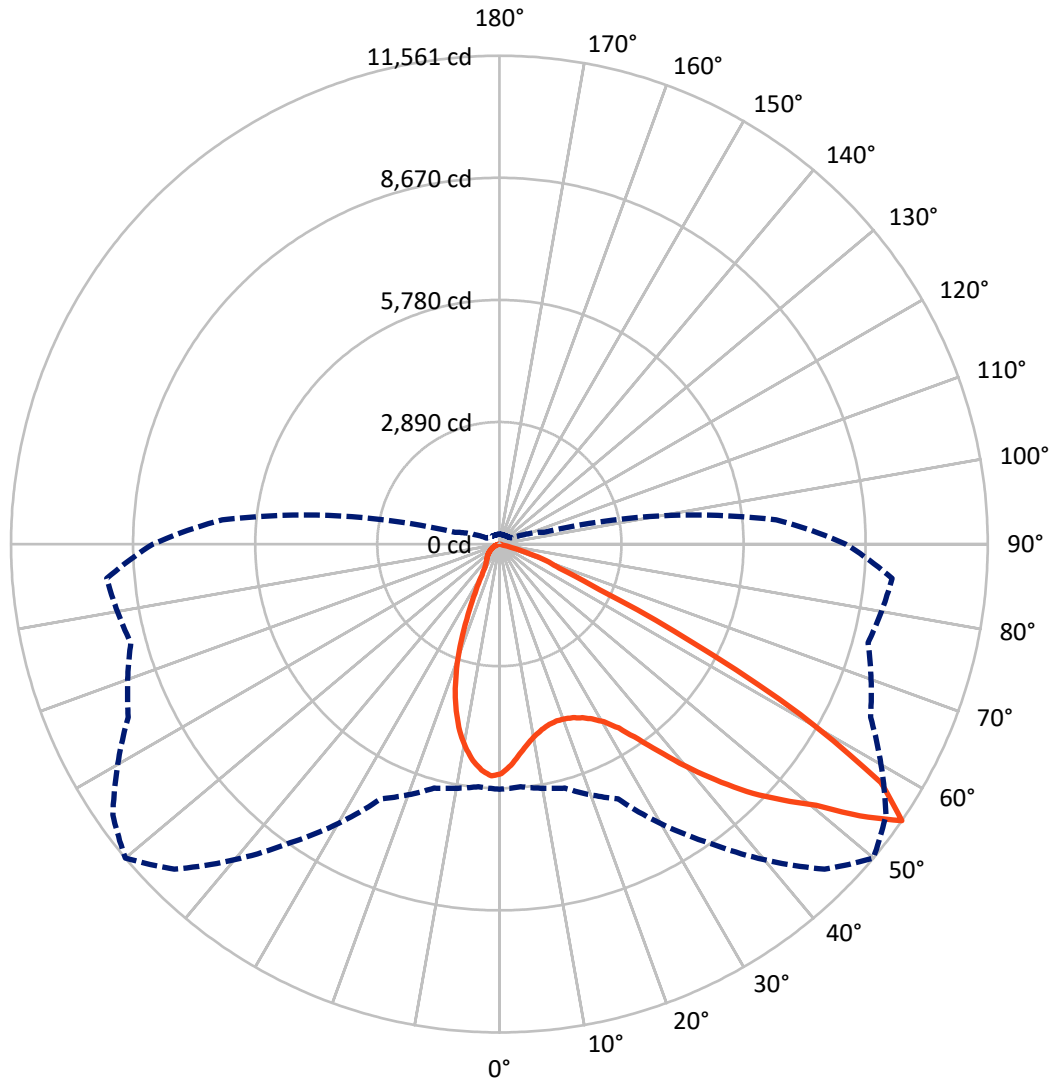
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3053.0	0.0	3053.0
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	12440.6	0.0	12440.6
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	15493.6	0.0	15493.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	477.4	3.1
10°-20°	1174.8	7.6
20°-30°	1657.1	10.7
30°-40°	2452.2	15.8
40°-50°	3537.7	22.8
50°-60°	4172.9	26.9
60°-70°	1861.5	12.0
70°-80°	160.0	1.0
80°-90°	0.1	0.0
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°	15493.6	100.0
0°-180°	15493.6	100.0

**Coefficient of Utilization**



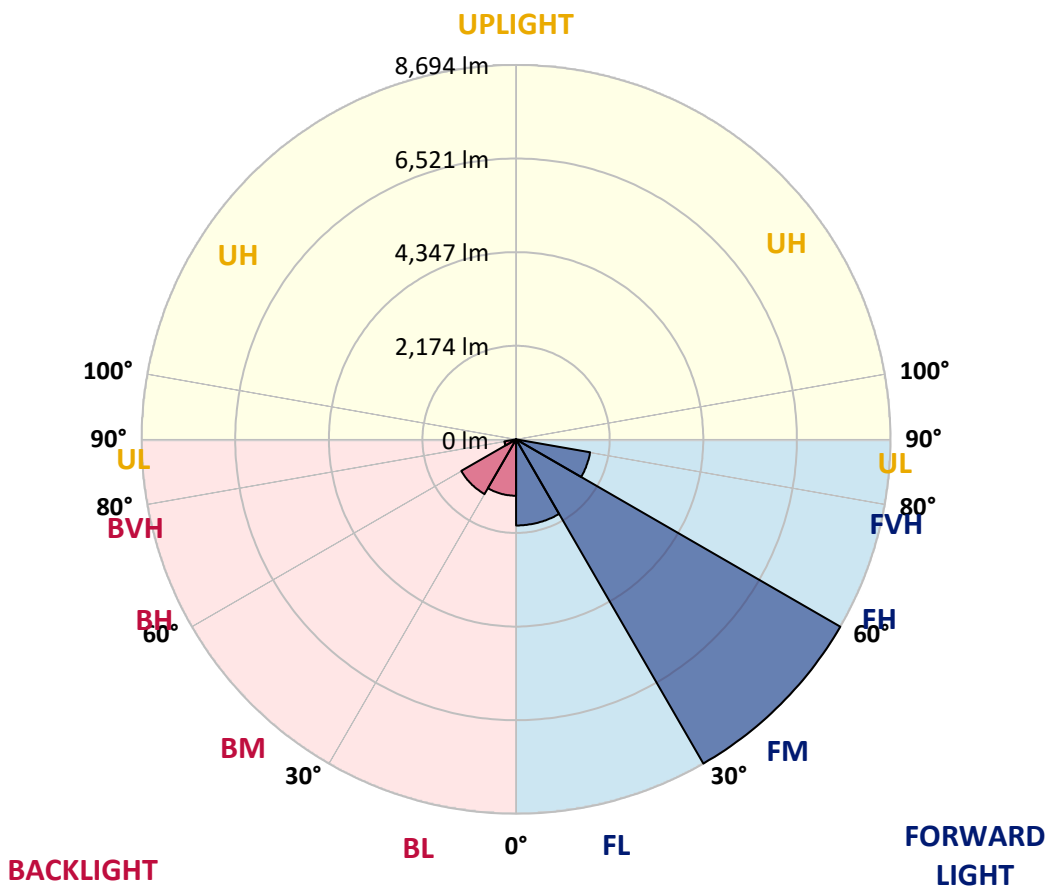
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2000.3	12.9			
FM (30°-60°)	8694.5	56.1			
FH (60°-80°)	1745.8	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1309.0	8.4	B3/2500		
BM (30°-60°)	1468.3	9.5	B2/2500		
BH (60°-80°)	275.7	1.8	B1/500		G1/500
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	5436.0	5436.0	5436.0	5436.0	5436.0	5436.0	5436.0	5436.0	5436.0	5436.0	5436.0
2.5°	5050.2	5053.9	5055.8	5106.9	5125.8	5201.5	5241.2	5262.0	5316.9	5381.2	5434.1
5°	4711.6	4705.9	4715.4	4779.7	4821.3	4932.9	4993.4	5035.0	5156.1	5307.4	5434.1
7.5°	4416.5	4427.9	4439.2	4509.2	4571.6	4692.7	4779.7	4842.1	5010.4	5235.5	5449.3
10°	4208.5	4208.5	4225.5	4304.9	4378.7	4528.1	4615.1	4694.6	4895.1	5171.2	5466.3
12.5°	4055.3	4057.2	4078.0	4168.7	4253.9	4409.0	4499.8	4577.3	4798.6	5106.9	5470.1
15°	3983.4	3977.7	3994.7	4091.2	4185.8	4331.4	4426.0	4501.6	4730.5	5071.0	5489.0
17.5°	3964.5	3960.7	3973.9	4068.5	4165.0	4306.8	4399.5	4475.2	4721.0	5082.3	5545.7
20°	4019.3	4011.8	4006.1	4087.4	4178.2	4318.2	4414.6	4499.8	4766.4	5144.7	5632.7
22.5°	4149.8	4149.8	4136.6	4176.3	4236.8	4363.6	4463.8	4575.4	4885.6	5269.6	5761.3
25°	4390.0	4371.1	4346.5	4363.6	4356.0	4435.4	4554.6	4709.7	5110.7	5475.7	5918.3
27.5°	4664.3	4681.3	4639.7	4641.6	4575.4	4547.0	4685.1	4919.7	5445.5	5767.0	6151.0
30°	5036.9	5023.7	5025.6	5019.9	4866.7	4732.4	4881.8	5193.9	5867.3	6211.5	6453.6
32.5°	5328.2	5347.1	5409.5	5445.5	5245.0	5029.4	5188.2	5566.5	6347.7	6718.4	6824.3
35°	5636.5	5670.6	5797.3	5914.6	5746.2	5498.4	5668.7	6060.2	6799.7	7219.7	7249.9
37.5°	5961.8	6029.9	6181.2	6387.4	6360.9	6141.5	6296.6	6640.9	7155.3	7522.3	7601.7
40°	6334.5	6400.7	6648.4	6945.4	7007.8	6958.6	7009.7	7210.2	7389.9	7535.5	7753.0
42.5°	6743.0	6833.8	7147.8	7545.0	7779.5	7823.0	7703.9	7683.1	7492.0	7384.2	7720.9
45°	7225.3	7331.2	7686.8	8201.3	8573.9	8632.6	8426.4	8159.7	7556.3	7272.6	7624.4
47.5°	7766.3	7866.5	8220.2	8838.7	9392.9	9415.6	9056.2	8626.9	7747.4	7401.2	7698.2
50°	7947.9	8010.3	8316.7	9043.0	10064.4	10238.4	9718.3	9152.7	8131.3	7779.5	8057.6
52.5°	7323.7	7348.3	7615.0	8348.8	9928.2	11046.0	10684.8	9937.7	8814.1	8356.4	8611.8
55°	5803.0	5763.2	5978.9	6652.2	8628.8	10881.5	11560.5	11170.9	9693.7	9033.5	9332.4
57.5°	4059.0	4011.8	3962.6	4418.4	6438.5	9224.6	10652.6	11343.0	10531.6	9705.0	10109.8
60°	3336.5	3291.1	3052.8	2842.8	3892.6	6623.8	8182.4	9481.8	10463.5	9671.0	10085.2
62.5°	2882.6	2856.1	2759.6	2474.0	2290.5	3781.0	5123.9	6368.5	8029.2	7594.2	7616.9
65°	2264.1	2256.5	2322.7	2353.0	2025.7	2091.9	2614.0	3310.0	4340.9	4093.1	3881.2
67.5°	1547.2	1530.2	1655.0	2035.2	1948.2	1651.2	1530.2	1543.4	1878.2	1148.1	911.7
70°	983.6	943.8	945.7	1261.6	1585.0	1303.2	1180.3	1038.4	934.4	170.2	192.9
72.5°	629.9	605.3	520.1	569.3	733.9	635.5	641.2	552.3	368.8	90.8	105.9
75°	264.8	244.0	187.3	149.4	147.5	92.7	81.3	75.7	51.1	51.1	54.9
77.5°	1.9	0.0	0.0	1.9	3.8	1.9	1.9	3.8	7.6	11.3	13.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5436.0	5436.0	5436.0	5436.0	5436.0	5436.0	5436.0	5436.0	5436.0	5436.0	5436.0
2.5°	5466.3	5420.9	5472.0	5490.9	5489.0	5490.9	5436.0	5398.2	5396.3	5349.0	5326.3
5°	5487.1	5451.1	5489.0	5464.4	5405.8	5332.0	5233.6	5148.5	5110.7	5055.8	5029.4
7.5°	5526.8	5489.0	5483.3	5384.9	5239.3	5084.2	4910.2	4755.1	4671.9	4571.6	4577.3
10°	5555.2	5511.7	5437.9	5237.4	4995.3	4747.5	4488.4	4257.6	4112.0	3977.7	3955.0
12.5°	5566.5	5502.2	5330.1	5027.5	4687.0	4363.6	3983.4	3654.3	3427.3	3251.4	3226.8
15°	5587.3	5483.3	5192.0	4774.0	4306.8	3849.1	3364.9	2914.7	2614.0	2411.6	2428.6
17.5°	5619.5	5462.5	5036.9	4490.3	3898.3	3251.4	2597.0	2080.6	1804.4	1687.2	1689.1
20°	5664.9	5437.9	4866.7	4178.2	3408.4	2576.1	1815.8	1426.2	1348.6	1344.8	1339.1
22.5°	5725.4	5413.3	4685.1	3835.9	2827.7	1804.4	1208.6	1087.6	1119.7	1182.2	1193.5
25°	5797.3	5383.1	4482.7	3450.0	2194.1	1184.0	906.0	887.1	964.6	1047.9	1066.8
27.5°	5908.9	5367.9	4252.0	3011.2	1539.6	849.3	741.4	752.8	822.8	892.8	909.8
30°	6098.0	5396.3	4000.4	2519.4	989.2	677.1	643.1	660.1	697.9	733.9	749.0
32.5°	6355.3	5479.5	3756.4	1982.2	705.5	588.2	580.7	590.1	605.3	626.1	631.7
35°	6656.0	5623.3	3504.8	1418.6	582.6	537.2	529.6	529.6	537.2	541.0	542.8
37.5°	6903.8	5774.6	3268.4	943.8	522.0	497.5	486.1	480.4	478.5	482.3	484.2
40°	7011.6	5837.0	3011.2	686.6	478.5	461.5	444.5	427.5	427.5	440.7	442.6
42.5°	6935.9	5767.0	2714.2	567.4	448.3	423.7	397.2	382.1	389.6	402.9	406.7
45°	6775.2	5594.9	2387.0	501.2	418.0	385.9	355.6	346.1	353.7	370.7	374.5
47.5°	6748.7	5481.4	1995.5	457.7	385.9	353.7	321.5	312.1	321.5	334.8	338.6
50°	7011.6	5579.8	1560.4	419.9	355.6	319.7	293.2	283.7	289.4	297.0	300.7
52.5°	7492.0	5944.8	1259.7	384.0	319.7	285.6	268.6	257.2	257.2	264.8	266.7
55°	8201.3	6582.2	1087.6	342.4	278.0	259.1	244.0	232.6	232.6	236.4	238.3
57.5°	9018.4	7353.9	1127.3	287.5	244.0	234.5	221.3	211.8	215.6	215.6	215.6
60°	8904.9	7297.2	1206.7	242.1	215.6	211.8	200.5	196.7	206.2	198.6	194.8
62.5°	6559.5	5040.7	631.7	198.6	185.4	181.6	174.0	181.6	194.8	174.0	166.4
65°	3185.2	2440.0	253.5	162.7	157.0	153.2	149.4	160.8	168.3	136.2	128.6
67.5°	749.0	609.0	164.6	138.1	130.5	122.9	126.7	128.6	122.9	92.7	88.9
70°	194.8	191.0	128.6	115.4	104.0	96.5	96.5	94.6	81.3	58.6	54.9
72.5°	105.9	104.0	92.7	87.0	71.9	64.3	66.2	58.6	45.4	34.0	32.2
75°	53.0	56.7	53.0	49.2	39.7	35.9	35.9	32.2	22.7	13.2	13.2
77.5°	11.3	13.2	13.2	11.3	9.5	7.6	7.6	9.5	3.8	0.0	0.0
80°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)