

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: P642811

Luminaire Tested: GWS-SA6D-760-U-RW-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642811  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6D-760-U-RW-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

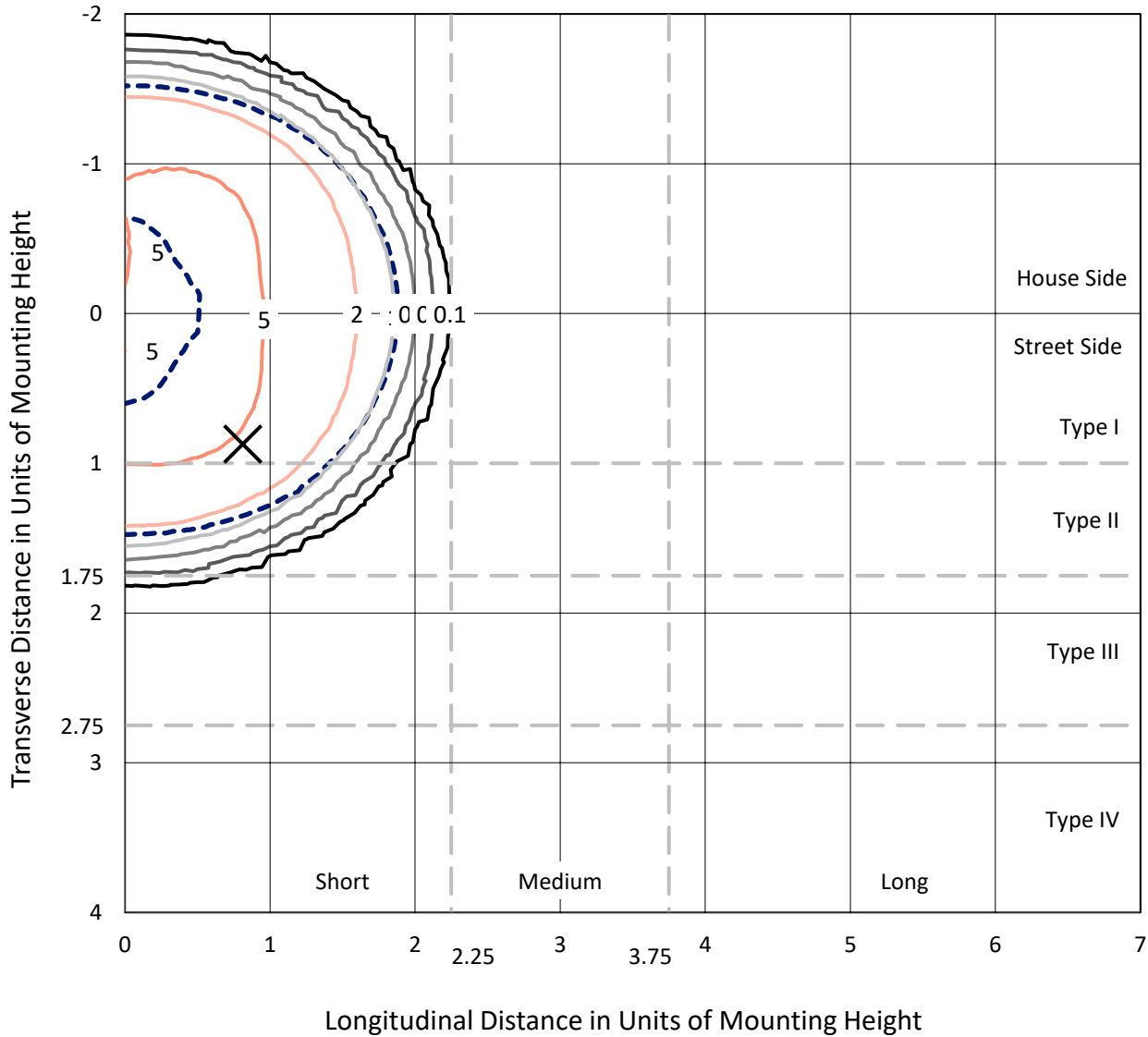
Lumens per Lamp: N/A  
Luminaire Lumens: 23423.4 lumens  
Efficiency: N/A  
Efficacy: 95.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

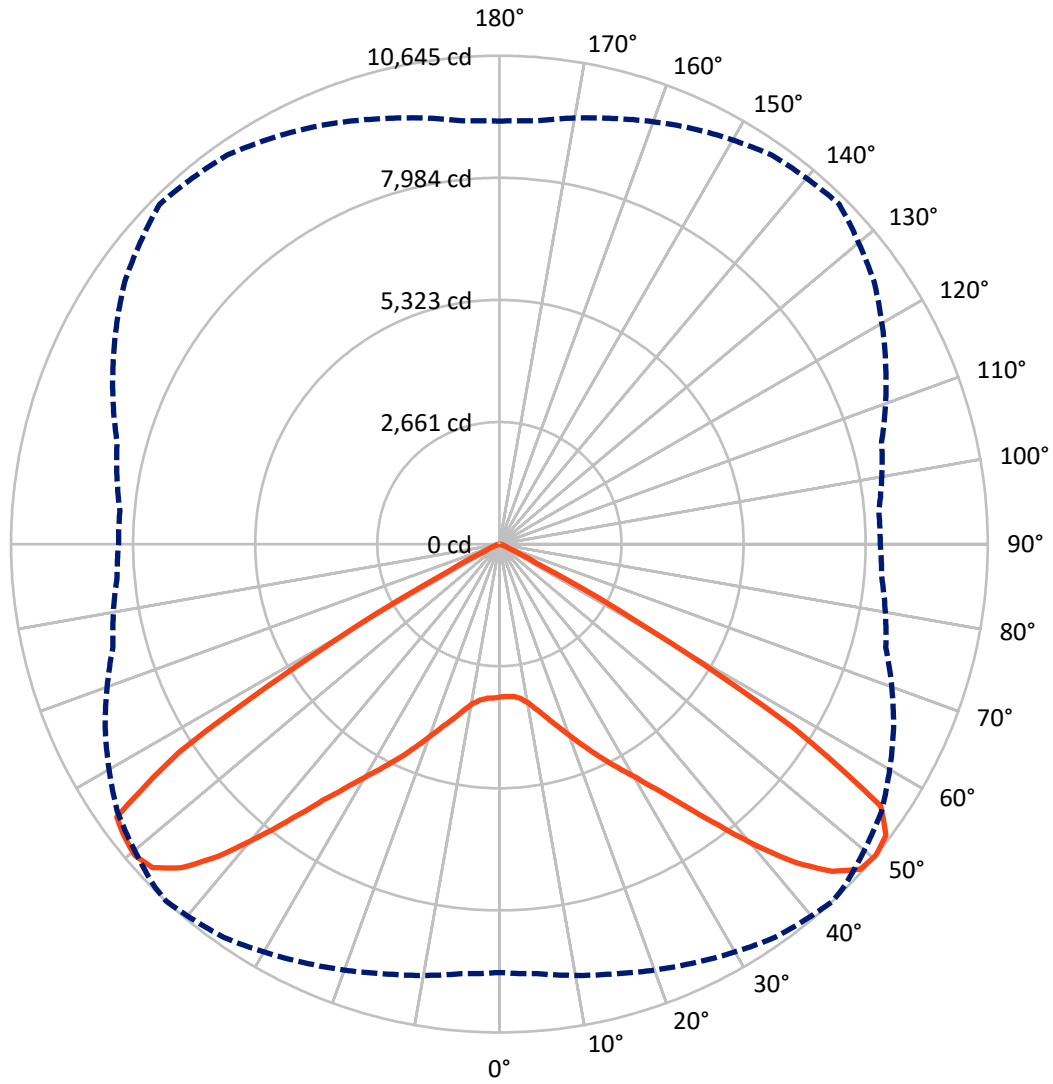
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11711.4	0.0	11711.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11712.0	0.0	11712.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23423.4	0.0	23423.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	328.1	1.4
10°-20°	1129.0	4.8
20°-30°	2284.2	9.8
30°-40°	4238.0	18.1
40°-50°	7034.9	30.0
50°-60°	7179.4	30.7
60°-70°	1177.3	5.0
70°-80°	51.6	0.2
80°-90°	0.7	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°	23423.4	100.0
0°-180°	23423.4	100.0

**Coefficient of Utilization**



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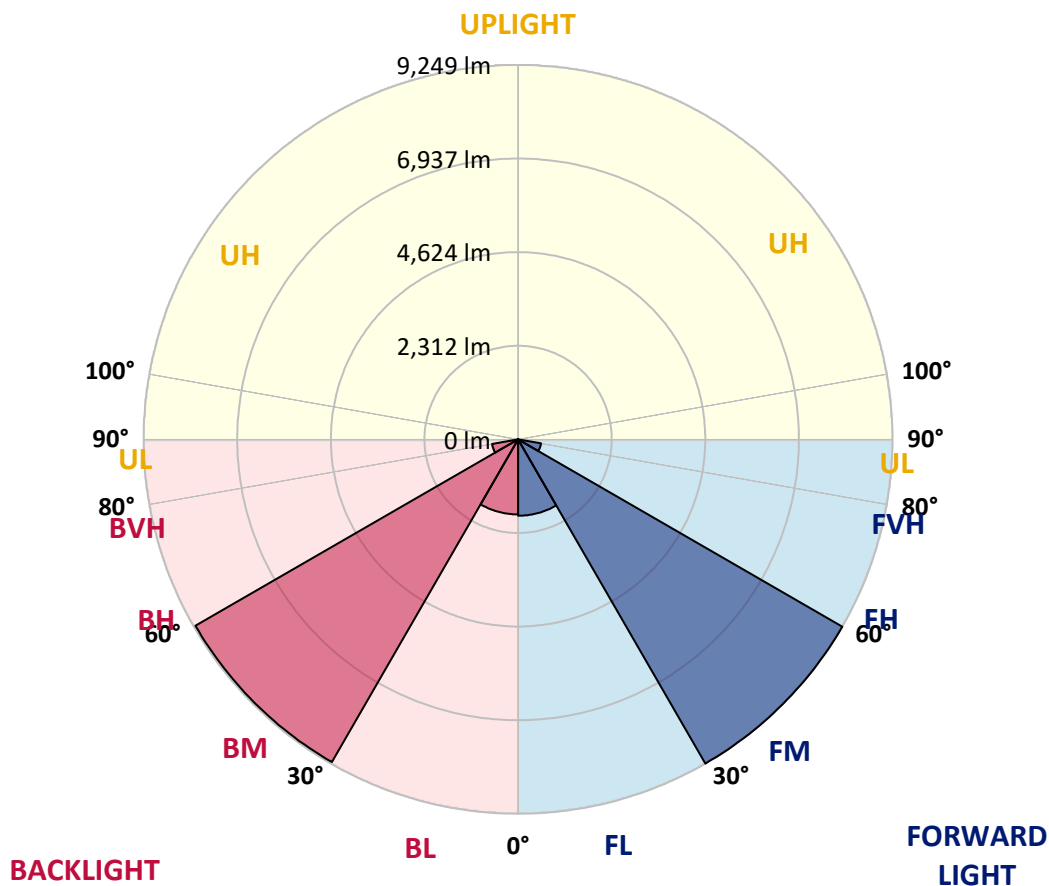
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1887.1	8.1			
FM (30°-60°)	9248.7	39.5			
FH (60°-80°)	576.0	2.5			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	1854.3	7.9	B3/2500		
BM (30°-60°)	9203.7	39.3	B5		
BH (60°-80°)	652.9	2.8	B2/1000		G0/660
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	3331.6	3331.6	3331.6	3331.6	3331.6	3331.6	3331.6	3331.6	3331.6	3331.6	3331.6
2.5°	3269.4	3277.2	3287.6	3297.9	3310.9	3323.8	3331.6	3354.9	3349.7	3370.5	3370.5
5°	3233.2	3240.9	3253.9	3277.2	3305.7	3334.2	3354.9	3401.6	3427.5	3468.9	3484.5
7.5°	3251.3	3261.7	3277.2	3313.5	3357.5	3401.6	3424.9	3500.0	3551.8	3629.5	3673.6
10°	3310.9	3321.2	3347.2	3409.3	3466.3	3528.5	3557.0	3652.9	3735.8	3842.0	3904.1
12.5°	3378.2	3391.2	3443.0	3536.3	3634.7	3717.6	3756.5	3862.7	3948.2	4067.4	4165.8
15°	3448.2	3468.9	3549.2	3686.5	3826.4	3937.8	3979.3	4093.3	4178.8	4305.7	4417.1
17.5°	3611.4	3634.7	3725.4	3873.1	4064.8	4194.3	4230.6	4349.7	4414.5	4500.0	4616.6
20°	3816.1	3860.1	3971.5	4150.3	4360.1	4484.5	4510.4	4626.9	4621.8	4658.0	4759.1
22.5°	4070.0	4101.0	4222.8	4435.2	4671.0	4808.3	4867.9	4917.1	4852.3	4821.2	4886.0
25°	4334.2	4370.5	4502.6	4735.8	5000.0	5158.0	5207.3	5246.1	5142.5	5025.9	5033.7
27.5°	4676.2	4702.1	4831.6	5080.3	5344.6	5523.3	5567.4	5634.7	5497.4	5310.9	5259.1
30°	5082.9	5108.8	5246.1	5507.8	5769.4	5922.3	5989.6	6072.5	5922.3	5689.1	5629.5
32.5°	5559.6	5585.5	5761.7	6031.1	6246.1	6411.9	6476.7	6564.8	6445.6	6183.9	6116.6
35°	6129.5	6145.1	6352.3	6645.1	6873.1	7033.7	7077.7	7181.4	7049.2	6787.6	6751.3
37.5°	6790.2	6808.3	7033.7	7373.1	7606.2	7785.0	7854.9	7883.4	7722.8	7430.1	7401.6
40°	7515.5	7575.1	7795.3	8160.6	8422.3	8647.7	8709.8	8614.0	8388.6	7989.6	7937.8
42.5°	8272.0	8323.8	8570.0	8966.3	9269.4	9500.0	9502.6	9295.3	8911.9	8360.1	8282.4
45°	8901.6	8922.3	9240.9	9639.9	10013.0	10176.2	10191.7	9816.1	9238.3	8575.1	8409.3
47.5°	9334.2	9367.9	9645.1	10028.5	10440.4	10588.1	10557.0	10088.1	9393.8	8715.0	8440.4
50°	9339.4	9396.4	9696.9	10067.4	10466.3	10645.1	10601.0	10165.8	9481.9	8720.2	8365.3
52.5°	8513.0	8606.2	9095.9	9632.1	10243.5	10549.2	10559.6	10266.8	9448.2	8637.3	8297.9
55°	6422.3	6523.3	7139.9	8054.4	9235.8	10088.1	10235.8	10147.7	9409.3	8673.6	8417.1
57.5°	3399.0	3321.2	3663.2	4570.0	6054.4	7562.2	7994.8	8699.5	8976.7	8717.6	8637.3
60°	740.9	790.2	1051.8	1417.1	2362.7	3557.0	3979.3	5186.5	6621.8	7259.1	7720.2
62.5°	318.7	313.5	326.4	370.5	541.5	901.6	1101.0	1797.9	2836.8	3896.4	4614.0
65°	261.7	264.2	274.6	274.6	256.5	259.1	272.0	411.9	663.2	930.1	1248.7
67.5°	196.9	199.5	217.6	222.8	209.8	186.5	183.9	155.4	163.2	204.7	212.4
70°	124.4	124.4	134.7	139.9	139.9	129.5	126.9	111.4	108.8	124.4	139.9
72.5°	67.4	67.4	72.5	75.1	72.5	69.9	69.9	67.4	64.8	75.1	95.9
75°	28.5	28.5	31.1	31.1	28.5	28.5	28.5	28.5	28.5	33.7	51.8
77.5°	5.2	7.8	10.4	7.8	5.2	5.2	5.2	7.8	7.8	10.4	15.5
80°	2.6	2.6	5.2	2.6	0.0	0.0	0.0	0.0	2.6	2.6	2.6
82.5°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
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°	3331.6	3331.6	3331.6	3331.6	3331.6	3331.6	3331.6	3331.6	3331.6	3331.6	3331.6
2.5°	3388.6	3360.1	3370.5	3375.6	3367.9	3362.7	3334.2	3326.4	3313.5	3292.7	3287.6
5°	3502.6	3479.3	3476.7	3461.1	3424.9	3380.8	3326.4	3303.1	3277.2	3251.3	3246.1
7.5°	3694.3	3665.8	3647.7	3595.9	3513.0	3443.0	3352.3	3303.1	3269.4	3235.8	3228.0
10°	3940.4	3906.7	3854.9	3759.1	3647.7	3546.6	3440.4	3375.6	3323.8	3277.2	3274.6
12.5°	4202.1	4165.8	4072.5	3950.8	3816.1	3722.8	3588.1	3497.4	3419.7	3349.7	3342.0
15°	4476.7	4432.6	4305.7	4160.6	4036.3	3940.4	3792.7	3647.7	3528.5	3427.5	3417.1
17.5°	4686.5	4632.1	4481.9	4373.1	4272.0	4173.6	4007.8	3816.1	3658.0	3536.3	3507.8
20°	4818.7	4766.8	4624.4	4564.8	4518.1	4448.2	4251.3	4051.8	3875.6	3725.4	3699.5
22.5°	4945.6	4883.4	4759.1	4759.1	4795.3	4766.8	4554.4	4326.4	4119.2	3945.6	3906.7
25°	5088.1	5038.9	4950.8	5023.3	5114.0	5111.4	4893.8	4608.8	4370.5	4176.2	4137.3
27.5°	5295.3	5246.1	5215.0	5352.3	5466.3	5458.6	5220.2	4911.9	4660.6	4468.9	4432.6
30°	5660.6	5614.0	5580.3	5746.1	5891.2	5836.8	5575.1	5277.2	5023.3	4805.7	4779.8
32.5°	6147.7	6098.4	6054.4	6220.2	6349.7	6279.8	6031.1	5751.3	5458.6	5246.1	5194.3
35°	6787.6	6683.9	6639.9	6836.8	6891.2	6813.5	6575.1	6329.0	6018.1	5774.6	5740.9
37.5°	7448.2	7326.4	7295.3	7466.3	7554.4	7525.9	7246.1	6989.6	6652.9	6383.4	6344.6
40°	8013.0	7901.6	7847.2	8114.0	8313.5	8331.6	8080.3	7766.8	7370.5	7090.7	7020.7
42.5°	8344.6	8248.7	8235.8	8650.3	8976.7	9209.8	8909.3	8585.5	8168.4	7852.3	7795.3
45°	8419.7	8357.5	8466.3	9010.4	9518.1	9943.0	9686.5	9344.6	8893.8	8559.6	8505.2
47.5°	8411.9	8391.2	8585.5	9196.9	9839.4	10362.7	10235.8	9849.7	9414.5	9064.8	9013.0
50°	8300.5	8303.1	8626.9	9290.2	9968.9	10476.7	10349.7	9992.2	9603.6	9259.1	9217.6
52.5°	8256.5	8240.9	8549.2	9261.7	10101.0	10424.9	10139.9	9738.3	9305.7	8880.8	8818.7
55°	8411.9	8373.1	8559.6	9238.3	10116.6	10396.4	9645.1	8774.6	7888.6	7386.0	7344.6
57.5°	8645.1	8603.6	8691.7	9067.4	9305.7	8645.1	7098.4	5694.3	4782.4	4396.4	4228.0
60°	7720.2	7691.7	7624.4	7171.0	6150.3	4639.9	3160.6	2015.5	1448.2	1171.0	1171.0
62.5°	4790.2	4751.3	4386.0	3259.1	2367.9	1370.5	753.9	471.5	357.5	334.2	331.6
65°	1344.6	1336.8	1106.2	782.4	497.4	308.3	272.0	277.2	272.0	264.2	261.7
67.5°	202.1	222.8	222.8	181.3	173.6	194.3	228.0	243.5	230.6	217.6	212.4
70°	129.5	139.9	134.7	116.6	124.4	145.1	163.2	165.8	158.0	145.1	142.5
72.5°	90.7	101.0	82.9	75.1	77.7	85.5	93.3	93.3	90.7	85.5	80.3
75°	54.4	54.4	38.9	36.3	36.3	38.9	38.9	44.0	44.0	41.5	38.9
77.5°	18.1	20.7	13.0	10.4	10.4	10.4	13.0	15.5	15.5	13.0	10.4
80°	2.6	5.2	2.6	2.6	2.6	2.6	2.6	2.6	5.2	5.2	2.6
82.5°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
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)