

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: P642786

Luminaire Tested: GWS-SA6D-750-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642786  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6D-750-U-T3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

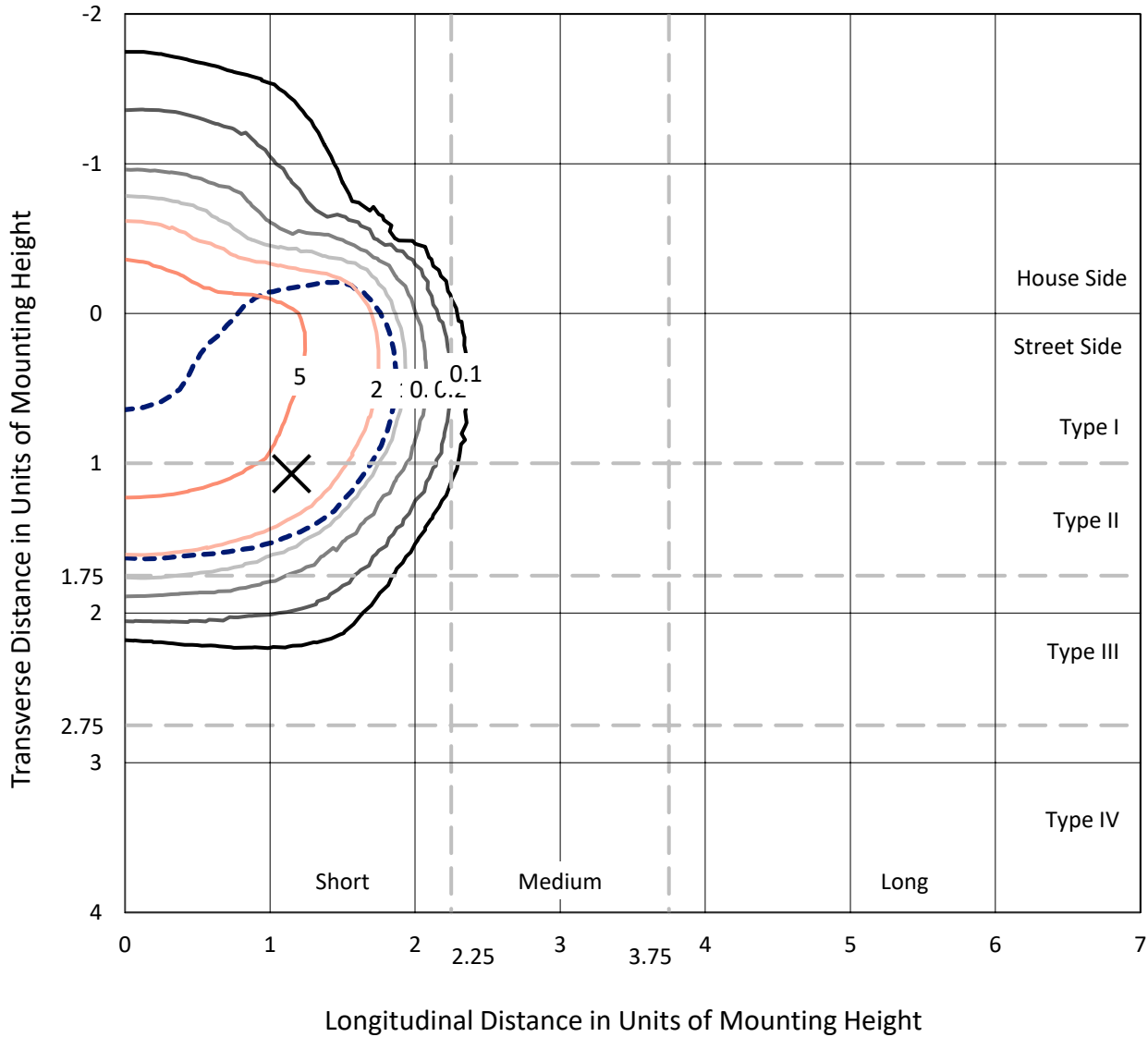
Lumens per Lamp: N/A  
Luminaire Lumens: 22627.2 lumens  
Efficiency: N/A  
Efficacy: 92.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

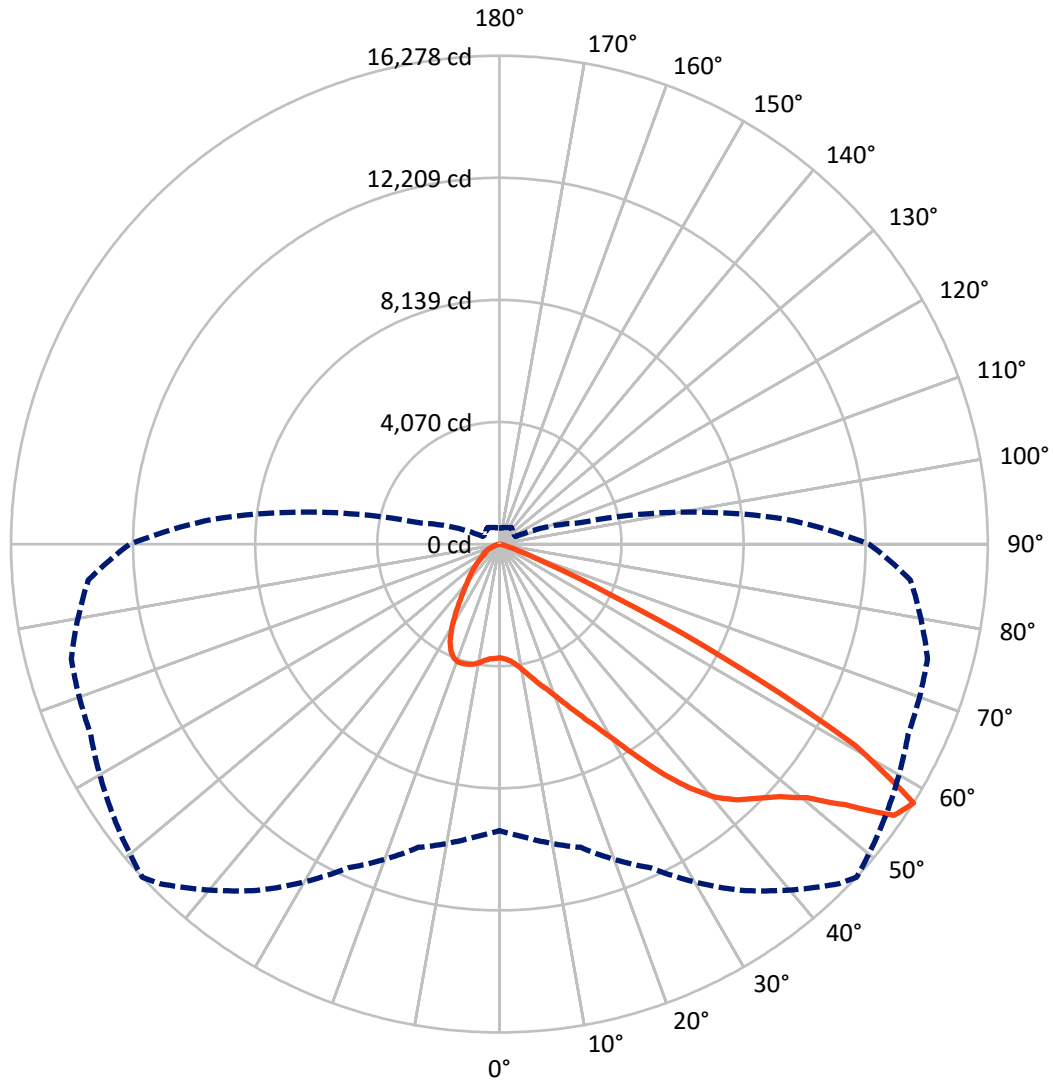
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4908.9	0.0	4908.9
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	17718.2	0.0	17718.2
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	22627.2	0.0	22627.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	376.8	1.7
10°-20°	1271.5	5.6
20°-30°	2361.0	10.4
30°-40°	3779.5	16.7
40°-50°	5524.8	24.4
50°-60°	6818.5	30.1
60°-70°	2278.4	10.1
70°-80°	212.3	0.9
80°-90°	4.4	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°	22627.2	100.0
0°-180°	22627.2	100.0

**Coefficient of Utilization**



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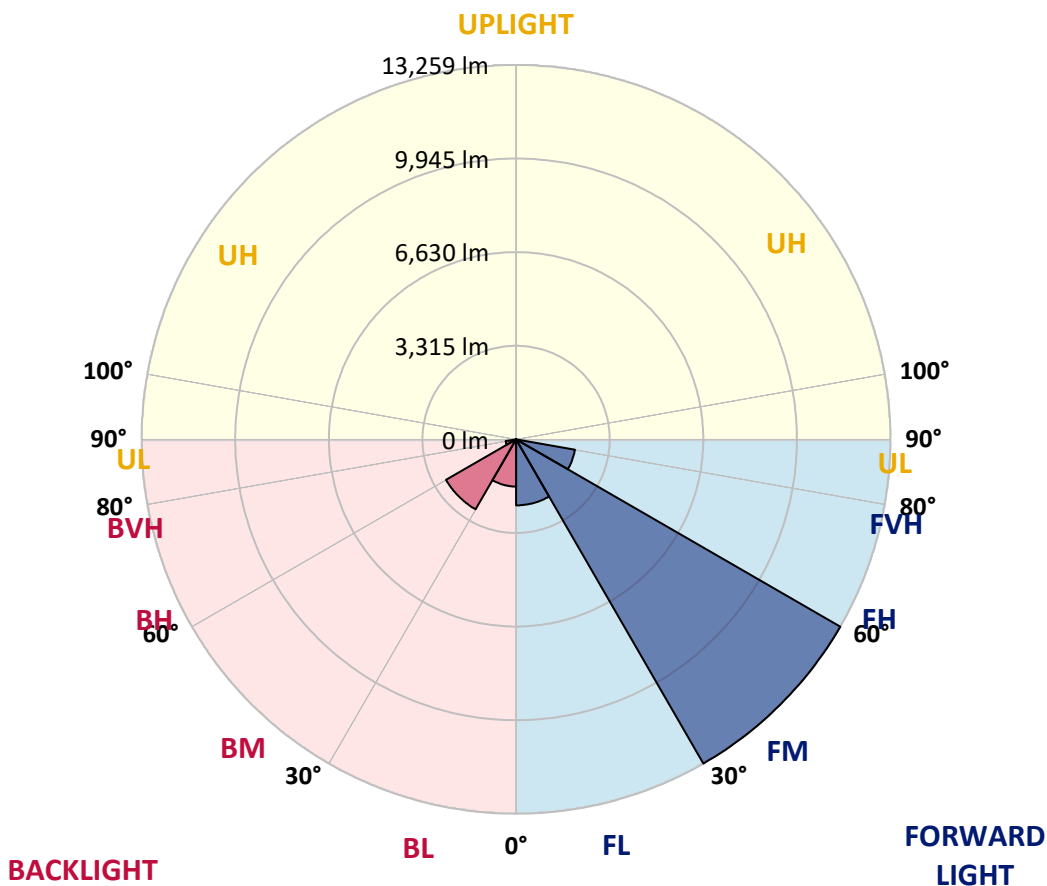
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2338.4	10.3			
FM (30°-60°)	13259.4	58.6			
FH (60°-80°)	2117.4	9.4			G2/5000
FVH (80°-90°)	3.0	0.0			G0/10
BL (0°-30°)	1670.9	7.4	B3/2500		
BM (30°-60°)	2863.4	12.7	B3/5000		
BH (60°-80°)	373.2	1.6	B1/500		G1/500
BVH (80°-90°)	1.4	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-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	3787.8	3787.8	3787.8	3787.8	3787.8	3787.8	3787.8	3787.8	3787.8	3787.8	3787.8
2.5°	3827.2	3824.6	3822.0	3837.7	3832.5	3829.8	3835.1	3835.1	3835.1	3819.3	3787.8
5°	3919.2	3919.2	3916.5	3932.3	3919.2	3911.3	3913.9	3913.9	3903.4	3874.5	3835.1
7.5°	4063.6	4058.4	4053.1	4068.9	4055.7	4053.1	4058.4	4042.6	4024.2	3976.9	3921.8
10°	4271.1	4271.1	4263.3	4279.0	4268.5	4263.3	4263.3	4252.8	4218.6	4145.1	4063.6
12.5°	4557.5	4544.3	4525.9	4512.8	4507.6	4504.9	4507.6	4491.8	4455.0	4360.5	4247.5
15°	4870.1	4859.5	4830.6	4809.6	4780.7	4775.5	4791.2	4778.1	4741.3	4612.6	4452.4
17.5°	5264.1	5277.2	5203.7	5159.0	5074.9	5069.7	5074.9	5096.0	5069.7	4904.2	4670.4
20°	5600.3	5610.8	5555.6	5524.1	5447.9	5413.8	5424.3	5458.5	5429.6	5235.2	4909.5
22.5°	5960.2	5973.3	5915.5	5849.8	5815.7	5815.7	5855.1	5902.4	5863.0	5608.2	5182.6
25°	6391.0	6401.5	6354.2	6267.5	6207.1	6283.3	6341.0	6467.1	6401.5	6054.7	5505.7
27.5°	6884.8	6887.4	6819.1	6729.8	6698.3	6840.1	6897.9	7092.3	7066.0	6556.4	5847.2
30°	7412.8	7415.4	7399.6	7339.2	7310.3	7496.8	7575.6	7856.7	7838.3	7179.0	6312.2
32.5°	7961.8	7961.8	7990.7	7985.4	8019.6	8324.3	8450.4	8770.8	8752.4	7940.8	6890.0
35°	8513.4	8516.0	8565.9	8692.0	8833.9	9238.4	9403.9	9792.6	9750.6	8852.3	7628.2
37.5°	9141.2	9114.9	9183.2	9372.4	9687.6	10155.1	10312.7	10683.1	10635.8	9784.8	8592.2
40°	9897.7	9850.4	9850.4	10071.1	10428.3	10966.8	11100.8	11284.6	11124.4	10538.6	9537.8
42.5°	10733.0	10688.4	10630.6	10825.0	11124.4	11544.7	11655.0	11605.1	11473.8	11250.5	10614.8
45°	11578.8	11510.6	11550.0	11668.2	11841.5	12041.2	12083.2	11852.0	11791.6	11854.7	11505.3
47.5°	12222.4	12175.1	12272.3	12437.8	12579.7	12608.5	12579.7	12259.2	12253.9	12477.2	12122.6
50°	12437.8	12443.1	12711.0	13073.5	13302.0	13325.7	13286.3	12918.5	12868.6	12934.3	12456.2
52.5°	12458.8	12479.8	12871.2	13562.1	14184.6	14468.3	14436.8	14040.1	13551.6	13480.6	12960.5
55°	11951.9	12075.3	12621.7	13630.4	14954.3	15860.5	15965.6	15206.4	14481.4	14421.0	14045.4
57.5°	9553.6	9805.8	10465.1	11901.9	14095.3	16005.0	16278.2	15731.8	15030.4	14773.0	13753.8
60°	5710.6	6023.2	6656.3	8418.8	10727.8	13154.9	13625.1	13701.3	13378.2	12634.8	10551.8
62.5°	2450.8	2424.5	3204.7	4554.8	6380.5	8361.0	8573.8	8904.8	9185.9	8408.3	6404.1
65°	840.6	914.1	1271.4	2054.1	3194.2	3882.4	4071.5	4368.3	4767.6	3934.9	2345.7
67.5°	520.1	551.6	732.9	1213.6	1723.2	1696.9	1612.8	1565.6	1523.5	1042.8	643.6
70°	378.3	404.5	514.8	835.3	1158.4	814.3	706.6	572.6	635.7	585.8	457.1
72.5°	254.8	275.8	354.6	507.0	593.7	396.6	367.7	417.7	504.3	480.7	373.0
75°	152.4	165.5	202.3	246.9	241.7	204.9	207.5	294.2	386.1	359.9	265.3
77.5°	105.1	110.3	134.0	160.2	118.2	63.0	57.8	81.4	131.3	131.3	89.3
80°	26.3	34.1	34.1	21.0	18.4	15.8	15.8	23.6	36.8	26.3	13.1
82.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.3	5.3	5.3	5.3
85°	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	5.3	5.3	5.3
87.5°	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.3	5.3
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°	3787.8	3787.8	3787.8	3787.8	3787.8	3787.8	3787.8	3787.8	3787.8	3787.8	3787.8
2.5°	3806.2	3774.7	3795.7	3790.4	3806.2	3811.5	3787.8	3782.6	3785.2	3753.7	3743.2
5°	3843.0	3806.2	3816.7	3806.2	3824.6	3840.4	3832.5	3843.0	3856.1	3832.5	3822.0
7.5°	3921.8	3885.0	3882.4	3866.6	3892.9	3903.4	3900.8	3929.7	3955.9	3940.2	3924.4
10°	4058.4	4008.5	4003.2	3990.1	3998.0	4005.8	3976.9	3982.2	4005.8	3987.5	3979.6
12.5°	4226.5	4166.1	4152.9	4121.4	4121.4	4082.0	4019.0	4005.8	4024.2	4011.1	3998.0
15°	4407.7	4326.3	4305.3	4250.1	4197.6	4124.0	4058.4	4042.6	4055.7	4040.0	4029.5
17.5°	4610.0	4518.1	4449.8	4352.6	4237.0	4150.3	4076.8	4042.6	4021.6	3990.1	3987.5
20°	4809.6	4688.8	4573.2	4418.2	4265.9	4134.6	4013.7	3924.4	3848.2	3801.0	3782.6
22.5°	5040.8	4862.2	4675.7	4457.6	4239.6	4040.0	3827.2	3674.9	3543.5	3498.9	3477.9
25°	5287.7	5056.6	4778.1	4494.4	4150.3	3829.8	3540.9	3315.0	3141.6	3083.8	3060.2
27.5°	5560.9	5243.1	4883.2	4486.5	3966.4	3530.4	3146.9	2865.8	2695.1	2642.5	2660.9
30°	5907.6	5484.7	5014.5	4405.1	3690.6	3110.1	2660.9	2424.5	2295.8	2245.9	2248.5
32.5°	6369.9	5831.5	5206.3	4231.7	3336.0	2632.0	2238.0	2064.6	1978.0	1912.3	1907.0
35°	7031.9	6359.4	5384.9	3953.3	2905.2	2206.5	1920.2	1783.6	1662.8	1586.6	1599.7
37.5°	7825.2	7024.0	5482.1	3577.7	2421.9	1875.5	1681.1	1541.9	1405.3	1292.4	1305.5
40°	8765.6	7893.5	5474.2	3083.8	1980.6	1649.6	1481.5	1318.6	1147.9	1045.5	1056.0
42.5°	9813.7	8715.7	5303.5	2561.1	1641.7	1465.7	1289.7	1084.9	919.4	856.3	859.0
45°	10722.5	9382.9	5004.0	2020.0	1381.7	1287.1	1090.1	880.0	806.4	761.8	759.1
47.5°	11395.0	9871.4	4575.9	1589.2	1171.5	1124.3	895.7	788.0	730.2	693.5	688.2
50°	11770.6	10042.2	4103.0	1245.1	990.3	953.5	801.2	714.5	675.1	651.4	646.2
52.5°	12274.9	10247.1	3764.2	982.4	830.1	780.2	738.1	664.6	638.3	619.9	612.0
55°	13073.5	10643.7	3470.0	780.2	690.8	680.3	696.1	635.7	619.9	591.0	580.5
57.5°	12322.2	9561.5	2695.1	604.2	583.1	622.5	672.5	606.8	567.4	541.1	530.6
60°	8671.0	6356.8	1355.4	486.0	520.1	583.1	633.1	549.0	509.6	514.8	509.6
62.5°	4780.7	3181.0	609.4	407.2	451.8	514.8	541.1	475.4	449.2	493.8	501.7
65°	1562.9	1082.2	352.0	315.2	357.2	420.3	467.6	451.8	446.6	499.1	514.8
67.5°	480.7	357.2	239.0	225.9	246.9	310.0	394.0	488.6	525.4	541.1	549.0
70°	359.9	281.1	204.9	191.8	202.3	236.4	333.6	407.2	383.5	386.1	380.9
72.5°	288.9	223.3	176.0	168.1	168.1	162.9	176.0	220.6	249.5	262.7	262.7
75°	202.3	157.6	134.0	123.5	97.2	78.8	70.9	70.9	63.0	60.4	57.8
77.5°	68.3	57.8	52.5	42.0	28.9	23.6	21.0	18.4	13.1	7.9	5.3
80°	10.5	7.9	5.3	5.3	5.3	2.6	2.6	2.6	0.0	0.0	0.0
82.5°	5.3	5.3	5.3	5.3	5.3	2.6	2.6	0.0	0.0	0.0	0.0
85°	5.3	5.3	5.3	5.3	5.3	2.6	2.6	0.0	0.0	0.0	0.0
87.5°	5.3	5.3	5.3	5.3	2.6	2.6	2.6	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)