

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: P635882

Luminaire Tested: GWS-SA3E-760-U-RW-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635882  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3E-760-U-RW-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19558.8 lumens  
Efficiency: N/A  
Efficacy: 122.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 159.2  
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

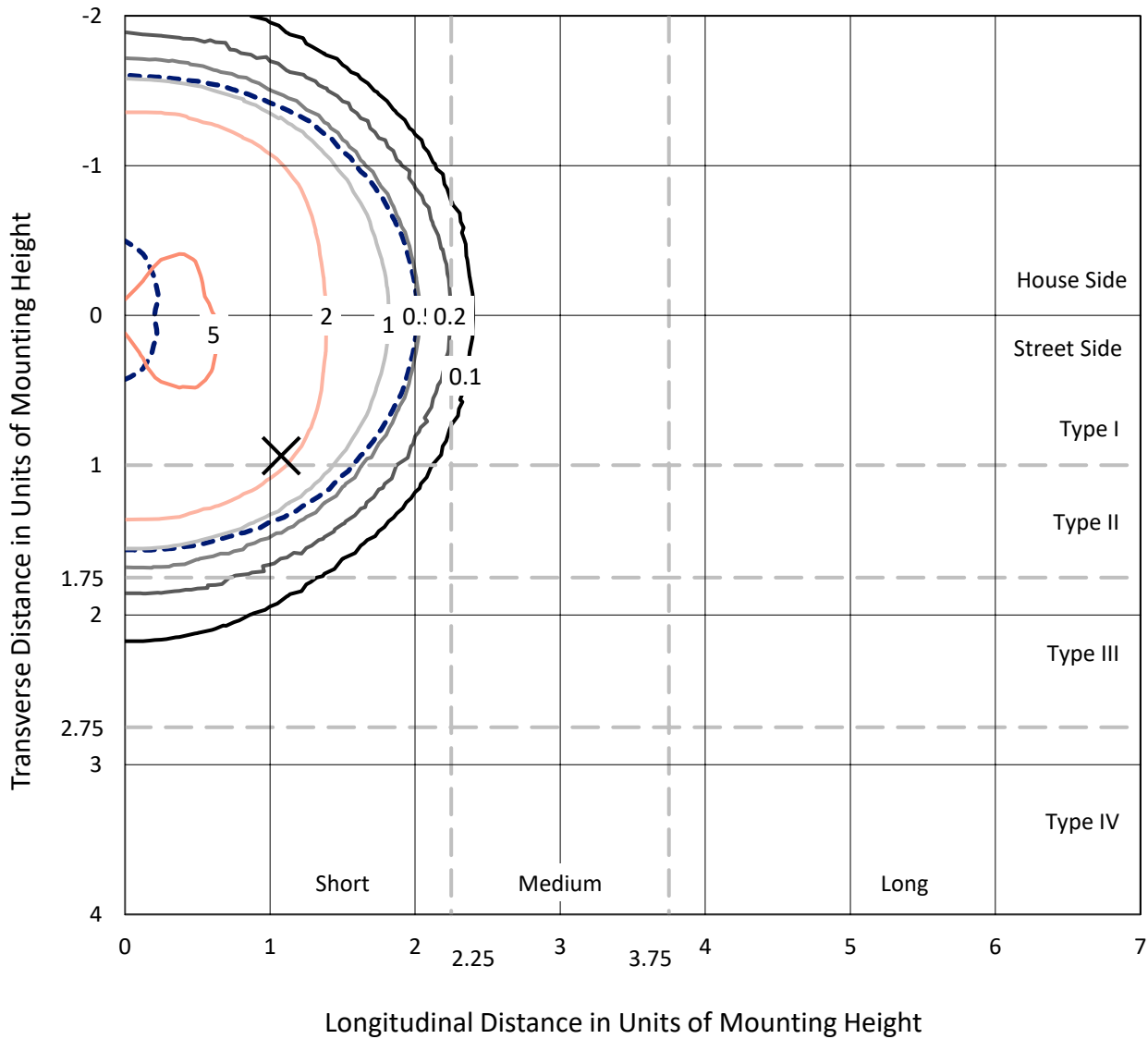


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

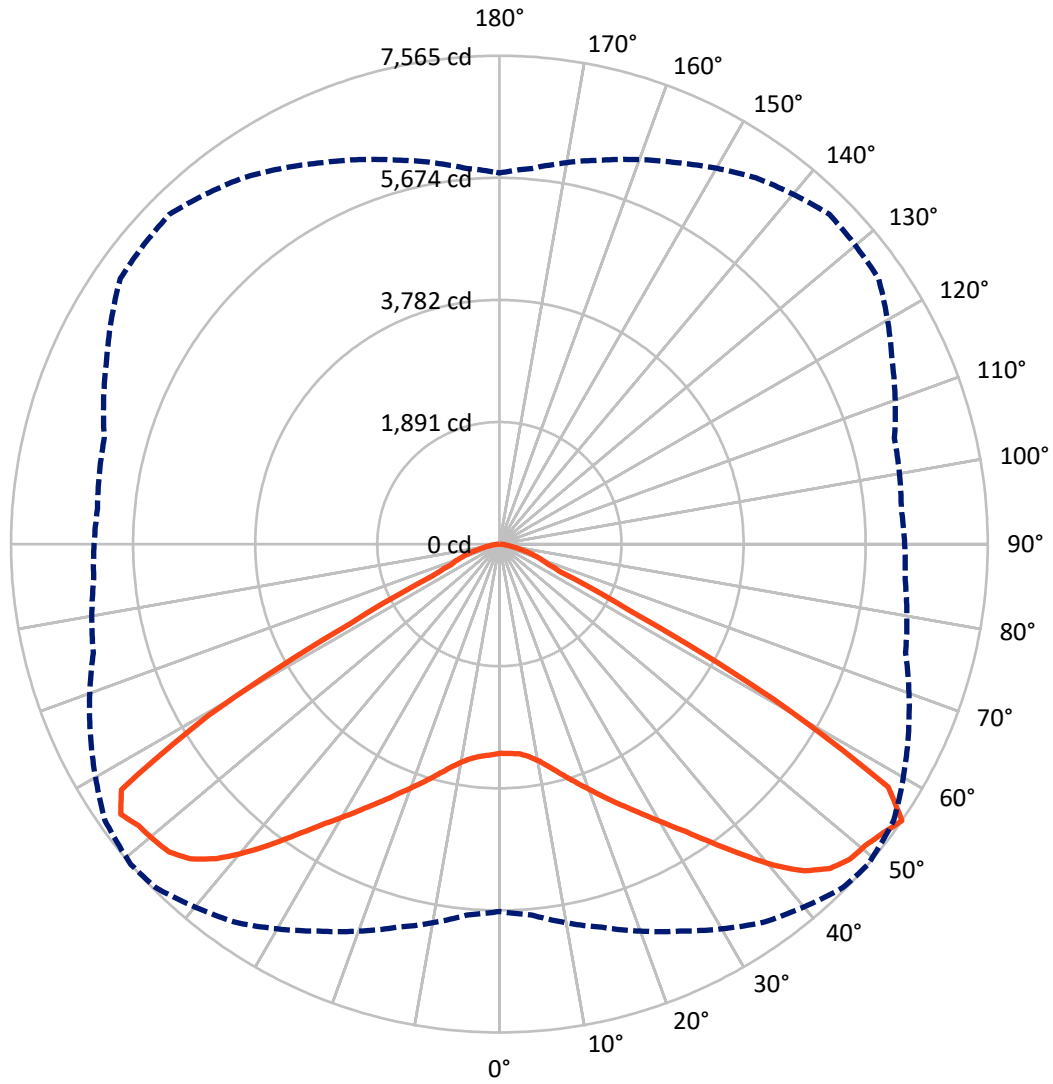


Based on 25 foot mounting height. Maximum calculated value = 5.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9683.5	0.0	9683.5
	% Fixture	49.5	0.0	49.5
<b>Street Side</b>	Lumens	9875.3	0.0	9875.3
	% Fixture	50.5	0.0	50.5
<b>Total</b>	Lumens	19558.8	0.0	19558.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	316.1	1.6
10°-20°	1042.5	5.3
20°-30°	1985.7	10.2
30°-40°	3366.2	17.2
40°-50°	5065.9	25.9
50°-60°	5545.1	28.4
60°-70°	1753.4	9.0
70°-80°	420.8	2.2
80°-90°	63.2	0.3
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°	19558.8	100.0
0°-180°	19558.8	100.0

**Coefficient of Utilization**



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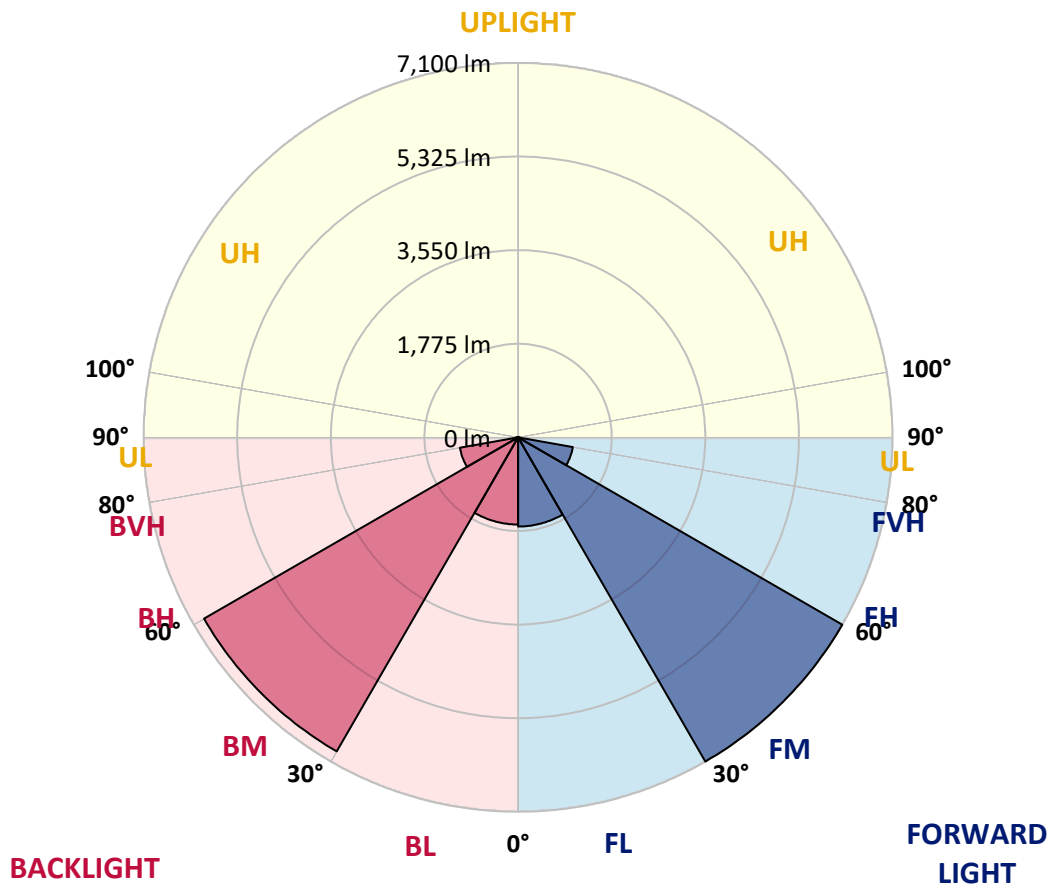
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1691.0	8.6			
FM (30°-60°)	7100.4	36.3			
FH (60°-80°)	1054.7	5.4			G1/1800
FVH (80°-90°)	29.2	0.1			G1/100
BL (0°-30°)	1653.3	8.5	B3/2500		
BM (30°-60°)	6876.8	35.2	B4/8500		
BH (60°-80°)	1119.5	5.7	B3/2500		G1/1800
BVH (80°-90°)	33.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	3240.0	3240.0	3240.0	3240.0	3240.0	3240.0	3240.0	3240.0	3240.0	3240.0	3240.0
2.5°	3192.3	3195.5	3201.9	3213.0	3224.1	3240.0	3246.4	3254.3	3252.8	3262.3	3262.3
5°	3176.4	3181.2	3190.7	3206.6	3225.7	3255.9	3263.9	3283.0	3302.1	3325.9	3333.9
7.5°	3195.5	3201.9	3213.0	3238.4	3267.1	3306.8	3322.7	3354.6	3391.1	3434.1	3451.6
10°	3232.1	3240.0	3259.1	3300.5	3346.6	3407.0	3421.4	3461.1	3520.0	3578.8	3613.8
12.5°	3273.4	3286.2	3321.2	3386.4	3454.8	3534.3	3556.6	3605.9	3669.5	3745.8	3793.6
15°	3321.2	3332.3	3386.4	3478.6	3585.2	3690.2	3715.6	3763.3	3834.9	3909.7	3976.5
17.5°	3421.4	3440.4	3504.1	3610.6	3734.7	3858.8	3887.4	3941.5	3998.7	4057.6	4121.2
20°	3558.2	3574.1	3655.2	3787.2	3933.5	4046.5	4075.1	4122.8	4149.9	4180.1	4234.2
22.5°	3694.9	3717.2	3809.5	3965.3	4137.1	4259.6	4281.9	4326.4	4307.3	4297.8	4332.8
25°	3865.1	3895.4	3986.0	4156.2	4331.2	4482.3	4499.8	4538.0	4506.1	4456.8	4455.2
27.5°	4076.7	4103.7	4197.6	4372.5	4545.9	4703.4	4736.8	4787.7	4717.7	4657.3	4614.3
30°	4328.0	4345.5	4448.9	4635.0	4813.1	4962.6	5005.6	5056.5	5004.0	4903.8	4860.8
32.5°	4620.7	4644.5	4763.8	4959.5	5118.5	5268.0	5311.0	5374.6	5317.3	5204.4	5150.3
35°	4972.2	4996.0	5121.7	5334.8	5497.1	5651.4	5681.6	5734.1	5662.5	5532.1	5489.1
37.5°	5353.9	5384.2	5543.2	5745.2	5915.4	6095.1	6096.7	6112.6	6010.8	5848.6	5800.9
40°	5783.4	5823.2	5982.2	6192.2	6397.4	6543.7	6542.1	6497.6	6325.8	6074.5	6001.3
42.5°	6208.1	6239.9	6400.5	6616.9	6822.0	6960.4	6919.1	6810.9	6562.8	6220.8	6123.8
45°	6515.1	6538.9	6707.5	6950.9	7159.3	7245.1	7170.4	7040.0	6704.3	6313.1	6169.9
47.5°	6659.8	6691.6	6861.8	7103.6	7339.0	7388.3	7299.2	7176.7	6787.1	6398.9	6206.5
50°	6581.9	6623.2	6815.7	7040.0	7305.6	7407.4	7343.8	7221.3	6874.5	6483.2	6271.7
52.5°	6379.9	6419.6	6663.0	6935.0	7235.6	7437.6	7436.0	7335.8	6974.7	6507.1	6274.9
55°	5689.5	5767.5	6146.0	6615.3	7149.7	7526.7	7564.9	7458.3	6990.6	6513.5	6308.3
57.5°	3702.9	3839.7	4199.2	4809.9	5882.0	6845.9	7103.6	7129.0	6876.1	6486.4	6314.6
60°	1546.1	1655.8	1940.5	2346.1	3232.1	4378.9	4878.3	5379.4	5983.8	6203.3	6255.8
62.5°	960.7	970.3	998.9	1091.1	1387.0	1946.9	2268.2	2737.4	3636.1	4401.2	4754.3
65°	866.9	871.6	878.0	871.6	886.0	954.4	1040.2	1204.1	1569.9	1950.1	2401.8
67.5°	763.5	769.8	774.6	769.8	774.6	777.8	787.3	801.7	868.5	922.5	963.9
70°	617.1	626.7	634.6	631.5	650.6	650.6	660.1	671.2	704.6	744.4	773.0
72.5°	470.8	462.9	472.4	475.6	493.1	502.6	516.9	529.7	567.8	591.7	628.3
75°	305.4	297.4	311.8	319.7	343.6	356.3	369.0	381.7	408.8	424.7	459.7
77.5°	165.4	163.8	178.1	189.3	214.7	230.6	240.2	249.7	272.0	276.8	299.0
80°	95.4	95.4	105.0	112.9	128.8	146.3	155.9	163.8	179.7	184.5	194.1
82.5°	52.5	52.5	57.3	62.0	74.8	84.3	92.3	98.6	112.9	117.7	122.5
85°	25.4	23.9	27.0	30.2	35.0	39.8	44.5	47.7	58.9	62.0	68.4
87.5°	3.2	3.2	3.2	4.8	6.4	9.5	11.1	11.1	17.5	20.7	23.9
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°	3240.0	3240.0	3240.0	3240.0	3240.0	3240.0	3240.0	3240.0	3240.0	3240.0	3240.0
2.5°	3271.8	3251.2	3263.9	3268.7	3268.7	3263.9	3243.2	3236.9	3227.3	3213.0	3213.0
5°	3345.0	3329.1	3332.3	3324.3	3305.2	3281.4	3243.2	3224.1	3208.2	3190.7	3189.1
7.5°	3470.7	3450.0	3446.8	3416.6	3365.7	3314.8	3257.5	3222.5	3198.7	3176.4	3174.8
10°	3634.5	3615.4	3591.6	3531.1	3456.4	3381.6	3303.7	3255.9	3220.9	3189.1	3187.5
12.5°	3817.4	3795.2	3750.6	3661.5	3567.7	3494.5	3405.5	3332.3	3279.8	3236.9	3228.9
15°	4016.2	3984.4	3908.1	3803.1	3710.8	3632.9	3537.5	3432.5	3353.0	3284.6	3276.6
17.5°	4168.9	4127.6	4044.9	3946.3	3869.9	3792.0	3667.9	3535.9	3421.4	3335.5	3322.7
20°	4273.9	4240.5	4146.7	4073.5	4029.0	3960.6	3815.8	3666.3	3537.5	3429.3	3423.0
22.5°	4370.9	4331.2	4238.9	4196.0	4196.0	4149.9	4011.5	3834.9	3683.8	3558.2	3542.2
25°	4480.7	4437.7	4367.8	4363.0	4385.3	4364.6	4197.6	4008.3	3831.7	3690.2	3664.7
27.5°	4633.4	4585.7	4544.3	4572.9	4604.8	4582.5	4396.4	4176.9	3990.8	3847.6	3825.4
30°	4876.8	4817.9	4779.7	4814.7	4876.8	4811.5	4609.5	4377.3	4189.6	4032.1	4021.0
32.5°	5159.9	5093.1	5053.3	5109.0	5164.6	5062.9	4862.4	4639.8	4442.5	4277.1	4258.0
35°	5500.3	5416.0	5357.1	5431.9	5489.1	5388.9	5190.1	4978.5	4759.0	4587.3	4561.8
37.5°	5802.5	5700.7	5660.9	5765.9	5842.2	5777.0	5560.7	5361.9	5121.7	4934.0	4922.9
40°	6022.0	5921.8	5893.1	6066.5	6200.1	6184.2	5990.2	5762.7	5536.8	5320.5	5299.8
42.5°	6117.4	6047.4	6053.8	6287.6	6494.4	6596.2	6422.8	6179.4	5961.5	5737.3	5722.9
45°	6138.1	6095.1	6146.0	6438.7	6710.7	6919.1	6771.1	6567.6	6321.0	6104.7	6098.3
47.5°	6160.4	6136.5	6214.4	6524.6	6847.5	7089.3	7006.6	6796.6	6546.9	6335.3	6319.4
50°	6212.8	6203.3	6290.8	6585.0	6912.7	7135.4	7041.5	6833.2	6577.1	6368.7	6330.6
52.5°	6228.8	6212.8	6338.5	6678.9	7020.9	7133.8	6931.8	6659.8	6402.1	6169.9	6130.1
55°	6278.1	6249.4	6335.3	6713.9	7170.4	7226.1	6925.4	6518.2	6158.8	5842.2	5748.4
57.5°	6290.8	6259.0	6314.6	6656.6	7008.1	6958.8	6087.2	5260.1	4582.5	4231.0	4270.7
60°	6222.4	6231.9	6136.5	6098.3	5621.1	4962.6	3726.8	2979.2	2339.8	2069.4	2128.2
62.5°	4736.8	4776.5	4450.5	3869.9	2976.0	2358.8	1560.4	1212.0	1025.9	978.2	986.2
65°	2390.7	2444.7	2105.9	1741.7	1294.7	1046.6	905.0	876.4	866.9	855.7	855.7
67.5°	946.4	962.3	949.6	889.1	827.1	804.8	798.5	795.3	784.2	777.8	779.4
70°	760.3	773.0	753.9	715.8	690.3	688.7	685.5	679.2	671.2	671.2	676.0
72.5°	620.3	633.1	606.0	582.2	563.1	548.8	540.8	536.0	524.9	524.9	529.7
75°	456.5	464.5	442.2	439.0	418.3	404.0	391.3	384.9	370.6	364.2	369.0
77.5°	303.8	302.2	291.1	291.1	283.1	265.6	251.3	237.0	217.9	205.2	208.4
80°	197.2	197.2	192.5	192.5	184.5	170.2	152.7	138.4	127.2	117.7	117.7
82.5°	125.7	124.1	122.5	120.9	117.7	103.4	90.7	81.1	73.2	66.8	68.4
85°	70.0	70.0	66.8	66.8	60.4	52.5	46.1	39.8	35.0	33.4	33.4
87.5°	23.9	23.9	22.3	22.3	19.1	14.3	11.1	9.5	8.0	6.4	8.0
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)