

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: P642317

Luminaire Tested: GWS-SA6C-760-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642317
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-SA6C-760-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25253.7 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

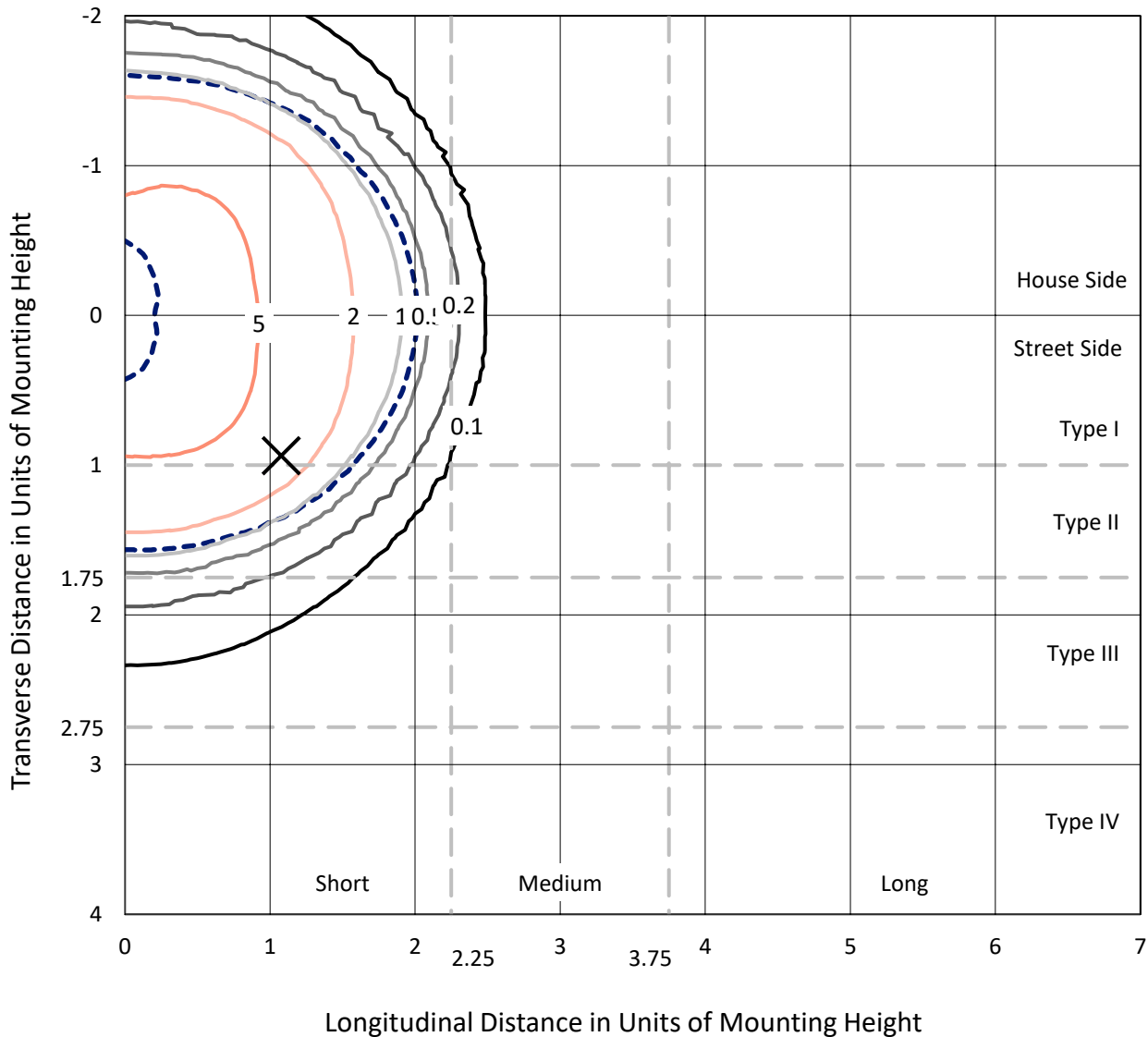
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642317
 CATALOG NUMBER: GWS-SA6C-760-U-RW-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

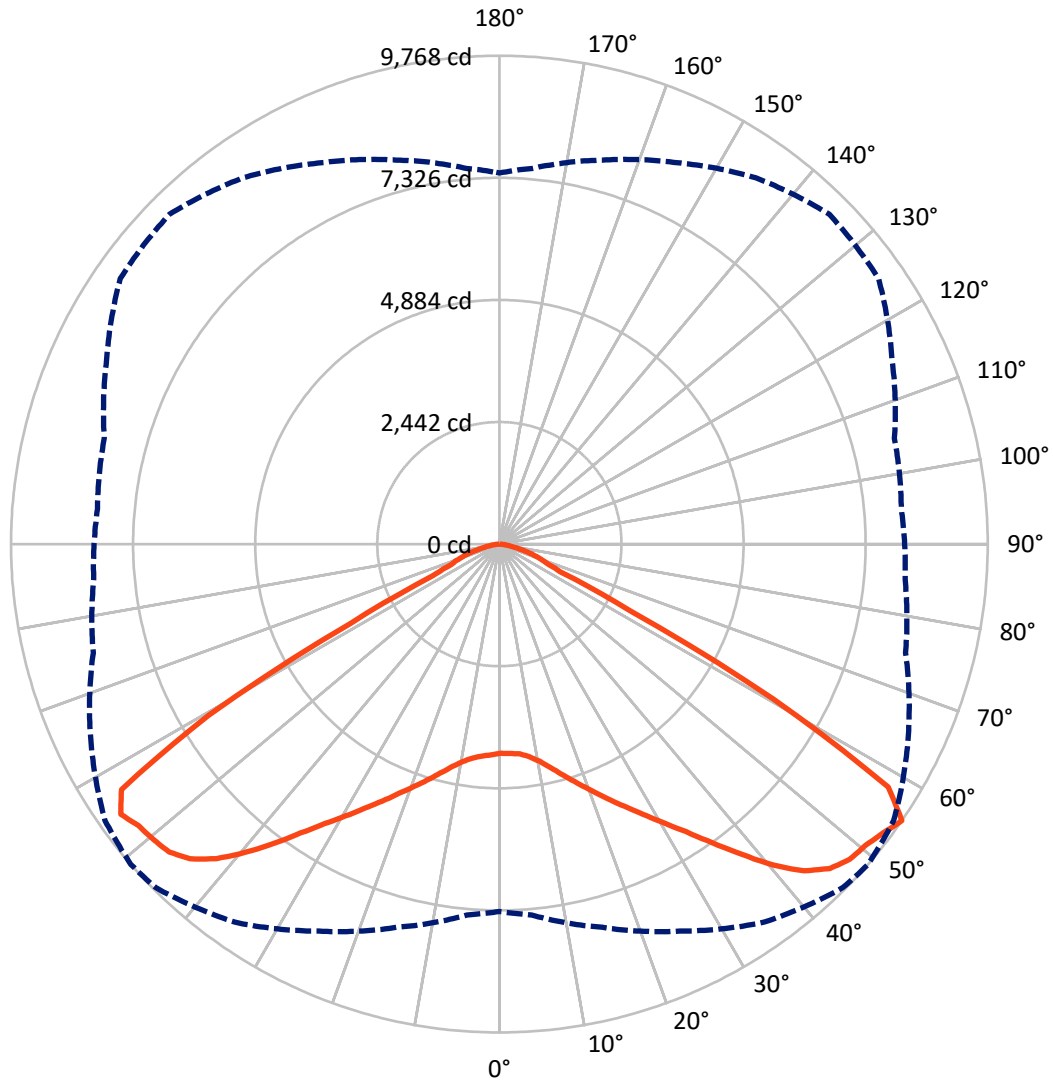
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - N/A

REPORT NUMBER: P642317
CATALOG NUMBER: GWS-SA6C-760-U-RW-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P642317

CATALOG NUMBER: GWS-SA6C-760-U-RW-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12503.0	0.0	12503.0
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	12750.7	0.0	12750.7
	% Fixture	50.5	0.0	50.5
Total	Lumens	25253.7	0.0	25253.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	408.1	1.6
10°-20°	1346.1	5.3
20°-30°	2563.9	10.2
30°-40°	4346.3	17.2
40°-50°	6540.9	25.9
50°-60°	7159.7	28.4
60°-70°	2263.9	9.0
70°-80°	543.3	2.2
80°-90°	81.5	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°	25253.7	100.0
0°-180°	25253.7	100.0

Coefficient of Utilization



REPORT NUMBER: P642317

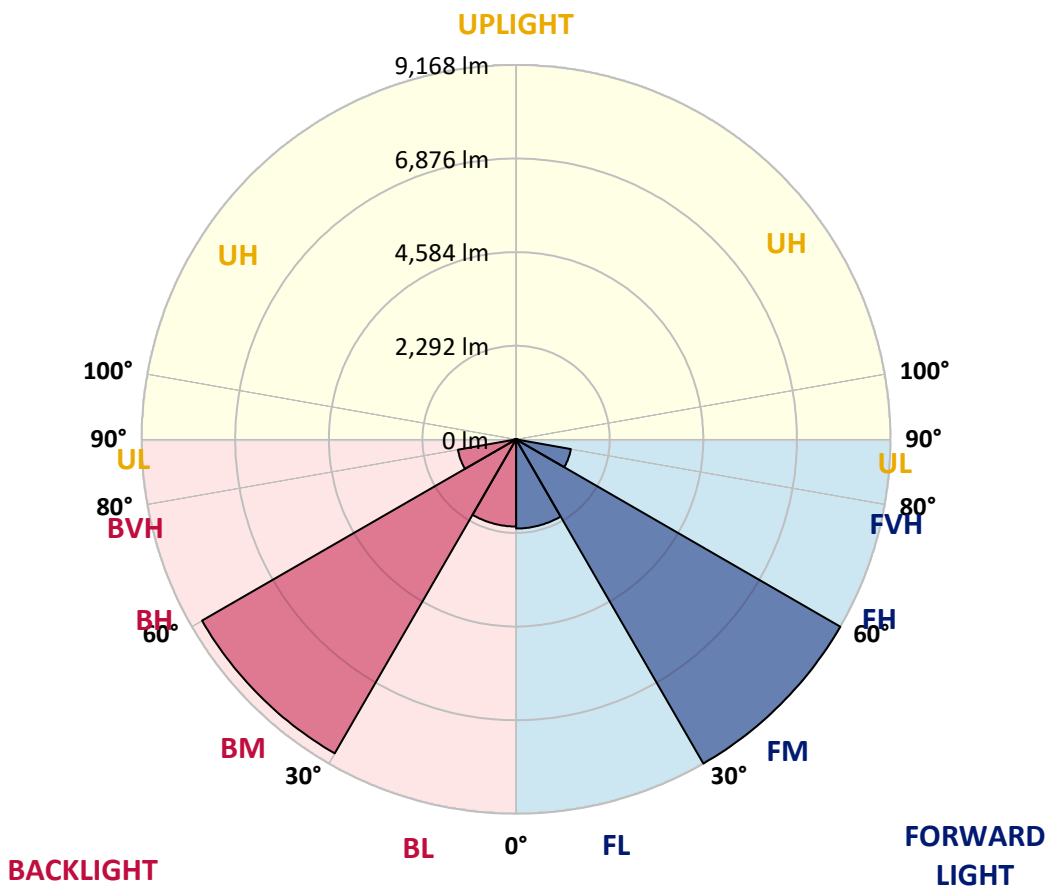
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2183.4	8.6			
FM (30°-60°)	9167.8	36.3			
FH (60°-80°)	1361.8	5.4			G1/1800
FVH (80°-90°)	37.7	0.1			G1/100
BL (0°-30°)	2134.6	8.5	B3/2500		
BM (30°-60°)	8879.1	35.2	B5		
BH (60°-80°)	1445.5	5.7	B3/2500		G1/1800
BVH (80°-90°)	43.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





REPORT NUMBER: P642317

CATALOG NUMBER: GWS-SA6C-760-U-RW-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	4183.4	4183.4	4183.4	4183.4	4183.4	4183.4	4183.4	4183.4	4183.4	4183.4	4183.4
2.5°	4121.8	4125.9	4134.1	4148.5	4162.9	4183.4	4191.6	4201.9	4199.9	4212.2	4212.2
5°	4101.3	4107.4	4119.8	4140.3	4164.9	4204.0	4214.2	4238.9	4263.5	4294.3	4304.6
7.5°	4125.9	4134.1	4148.5	4181.4	4218.3	4269.7	4290.2	4331.3	4378.5	4434.0	4456.6
10°	4173.2	4183.4	4208.1	4261.5	4321.0	4399.1	4417.6	4468.9	4544.9	4620.9	4666.1
12.5°	4226.6	4243.0	4288.2	4372.4	4460.7	4563.4	4592.1	4655.8	4737.9	4836.5	4898.1
15°	4288.2	4302.5	4372.4	4491.5	4629.1	4764.6	4797.5	4859.1	4951.5	5048.0	5134.3
17.5°	4417.6	4442.2	4524.3	4661.9	4822.1	4982.3	5019.3	5089.1	5163.1	5239.0	5321.2
20°	4594.2	4614.7	4719.4	4889.9	5078.9	5224.7	5261.6	5323.2	5358.2	5397.2	5467.0
22.5°	4770.8	4799.5	4918.7	5119.9	5341.7	5499.9	5528.6	5586.1	5561.5	5549.2	5594.3
25°	4990.5	5029.6	5146.6	5366.4	5592.3	5787.4	5810.0	5859.3	5818.2	5754.5	5752.5
27.5°	5263.7	5298.6	5419.8	5645.7	5869.5	6072.9	6116.0	6181.7	6091.3	6013.3	5957.8
30°	5588.2	5610.8	5744.3	5984.5	6214.6	6407.6	6463.1	6528.8	6461.0	6331.6	6276.2
32.5°	5966.1	5996.9	6150.9	6403.5	6608.9	6801.9	6857.4	6939.5	6865.6	6719.8	6649.9
35°	6419.9	6450.7	6613.0	6888.2	7097.7	7296.9	7335.9	7403.7	7311.2	7142.8	7087.4
37.5°	6912.8	6951.8	7157.2	7418.0	7637.8	7869.9	7871.9	7892.4	7761.0	7551.5	7489.9
40°	7467.3	7518.7	7724.0	7995.1	8260.1	8449.0	8447.0	8389.4	8167.6	7843.2	7748.7
42.5°	8015.7	8056.7	8264.2	8543.5	8808.4	8987.1	8933.7	8794.0	8473.7	8032.1	7906.8
45°	8412.0	8442.8	8660.5	8974.8	9243.8	9354.7	9258.2	9089.8	8656.4	8151.2	7966.4
47.5°	8598.9	8640.0	8859.8	9171.9	9475.9	9539.5	9424.5	9266.4	8763.2	8262.1	8013.6
50°	8498.3	8551.7	8800.2	9089.8	9432.7	9564.2	9482.0	9323.9	8876.2	8371.0	8097.8
52.5°	8237.5	8288.8	8603.0	8954.2	9342.4	9603.2	9601.1	9471.8	9005.6	8401.8	8101.9
55°	7346.2	7446.8	7935.6	8541.4	9231.5	9718.2	9767.5	9629.9	9026.1	8410.0	8145.1
57.5°	4781.1	4957.7	5421.8	6210.5	7594.7	8839.2	9171.9	9204.8	8878.2	8375.1	8153.3
60°	1996.2	2137.9	2505.5	3029.2	4173.2	5653.9	6298.8	6945.7	7726.1	8009.5	8077.3
62.5°	1240.4	1252.8	1289.7	1408.9	1790.8	2513.8	2928.6	3534.5	4694.8	5682.6	6138.6
65°	1119.3	1125.4	1133.7	1125.4	1143.9	1232.2	1343.1	1554.7	2027.0	2517.9	3101.1
67.5°	985.8	994.0	1000.2	994.0	1000.2	1004.3	1016.6	1035.1	1121.3	1191.2	1244.6
70°	796.8	809.2	819.4	815.3	840.0	840.0	852.3	866.7	909.8	961.1	998.1
72.5°	607.9	597.6	610.0	614.1	636.7	649.0	667.5	683.9	733.2	764.0	811.2
75°	394.3	384.0	402.5	412.8	443.6	460.0	476.5	492.9	527.8	548.3	593.5
77.5°	213.6	211.5	230.0	244.4	277.3	297.8	310.1	322.4	351.2	357.3	386.1
80°	123.2	123.2	135.5	145.8	166.4	188.9	201.3	211.5	232.1	238.2	250.6
82.5°	67.8	67.8	73.9	80.1	96.5	108.8	119.1	127.3	145.8	152.0	158.1
85°	32.9	30.8	34.9	39.0	45.2	51.3	57.5	61.6	76.0	80.1	88.3
87.5°	4.1	4.1	4.1	6.2	8.2	12.3	14.4	14.4	22.6	26.7	30.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P642317

CATALOG NUMBER: GWS-SA6C-760-U-RW-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4183.4	4183.4	4183.4	4183.4	4183.4	4183.4	4183.4	4183.4	4183.4	4183.4	4183.4
2.5°	4224.5	4197.8	4214.2	4220.4	4220.4	4214.2	4187.5	4179.3	4167.0	4148.5	4148.5
5°	4319.0	4298.4	4302.5	4292.3	4267.6	4236.8	4187.5	4162.9	4142.4	4119.8	4117.7
7.5°	4481.2	4454.5	4450.4	4411.4	4345.7	4280.0	4206.0	4160.8	4130.0	4101.3	4099.2
10°	4692.8	4668.1	4637.3	4559.3	4462.7	4366.2	4265.6	4204.0	4158.8	4117.7	4115.7
12.5°	4928.9	4900.2	4842.7	4727.7	4606.5	4512.0	4397.0	4302.5	4234.8	4179.3	4169.1
15°	5185.6	5144.6	5046.0	4910.4	4791.3	4690.7	4567.5	4431.9	4329.2	4240.9	4230.7
17.5°	5382.8	5329.4	5222.6	5095.3	4996.7	4896.1	4735.9	4565.4	4417.6	4306.7	4290.2
20°	5518.3	5475.2	5354.0	5259.6	5202.1	5113.8	4926.9	4733.8	4567.5	4427.8	4419.6
22.5°	5643.6	5592.3	5473.2	5417.7	5417.7	5358.2	5179.5	4951.5	4756.4	4594.2	4573.6
25°	5785.3	5729.9	5639.5	5633.4	5662.1	5635.4	5419.8	5175.4	4947.4	4764.6	4731.8
27.5°	5982.5	5920.9	5867.5	5904.4	5945.5	5916.8	5676.5	5393.1	5152.8	4967.9	4939.2
30°	6296.7	6220.7	6171.4	6216.6	6296.7	6212.5	5951.7	5651.8	5409.5	5206.2	5191.8
32.5°	6662.3	6576.0	6524.7	6596.6	6668.4	6537.0	6278.2	5990.7	5736.0	5522.5	5497.8
35°	7101.8	6992.9	6916.9	7013.5	7087.4	6958.0	6701.3	6428.1	6144.7	5922.9	5890.1
37.5°	7492.0	7360.5	7309.2	7444.7	7543.3	7459.1	7179.8	6923.1	6613.0	6370.6	6356.3
40°	7775.4	7646.0	7609.0	7832.9	8005.4	7984.9	7734.3	7440.6	7149.0	6869.7	6843.0
42.5°	7898.6	7808.2	7816.5	8118.4	8385.3	8516.8	8292.9	7978.7	7697.3	7407.8	7389.3
45°	7925.3	7869.9	7935.6	8313.5	8664.6	8933.7	8742.7	8479.8	8161.5	7882.2	7874.0
47.5°	7954.1	7923.3	8023.9	8424.4	8841.3	9153.4	9046.6	8775.5	8453.1	8180.0	8159.4
50°	8021.8	8009.5	8122.5	8502.4	8925.5	9213.0	9091.8	8822.8	8492.1	8223.1	8173.8
52.5°	8042.4	8021.8	8184.1	8623.6	9065.1	9210.9	8950.1	8598.9	8266.2	7966.4	7915.0
55°	8106.0	8069.1	8180.0	8668.8	9258.2	9330.1	8941.9	8416.1	7952.0	7543.3	7422.1
57.5°	8122.5	8081.4	8153.3	8594.8	9048.7	8985.0	7859.6	6791.7	5916.8	5462.9	5514.2
60°	8034.2	8046.5	7923.3	7874.0	7257.8	6407.6	4811.9	3846.6	3021.0	2671.9	2747.9
62.5°	6116.0	6167.3	5746.3	4996.7	3842.5	3045.7	2014.7	1564.9	1324.6	1263.0	1273.3
65°	3086.7	3156.6	2719.1	2248.8	1671.7	1351.3	1168.6	1131.6	1119.3	1104.9	1104.9
67.5°	1222.0	1242.5	1226.1	1148.0	1067.9	1039.2	1031.0	1026.9	1012.5	1004.3	1006.3
70°	981.7	998.1	973.5	924.2	891.3	889.3	885.2	876.9	866.7	866.7	872.8
72.5°	801.0	817.4	782.5	751.7	727.0	708.5	698.3	692.1	677.7	677.7	683.9
75°	589.4	599.7	570.9	566.8	540.1	521.6	505.2	497.0	478.5	470.3	476.5
77.5°	392.3	390.2	375.8	375.8	365.6	343.0	324.5	306.0	281.4	264.9	269.0
80°	254.7	254.7	248.5	248.5	238.2	219.7	197.2	178.7	164.3	152.0	152.0
82.5°	162.2	160.2	158.1	156.1	152.0	133.5	117.1	104.7	94.5	86.3	88.3
85°	90.4	90.4	86.3	86.3	78.0	67.8	59.6	51.3	45.2	43.1	43.1
87.5°	30.8	30.8	28.8	28.8	24.6	18.5	14.4	12.3	10.3	8.2	10.3
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)