

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: P635720

Luminaire Tested: GWS-SA3E-735-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635720
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-735-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18473.8 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

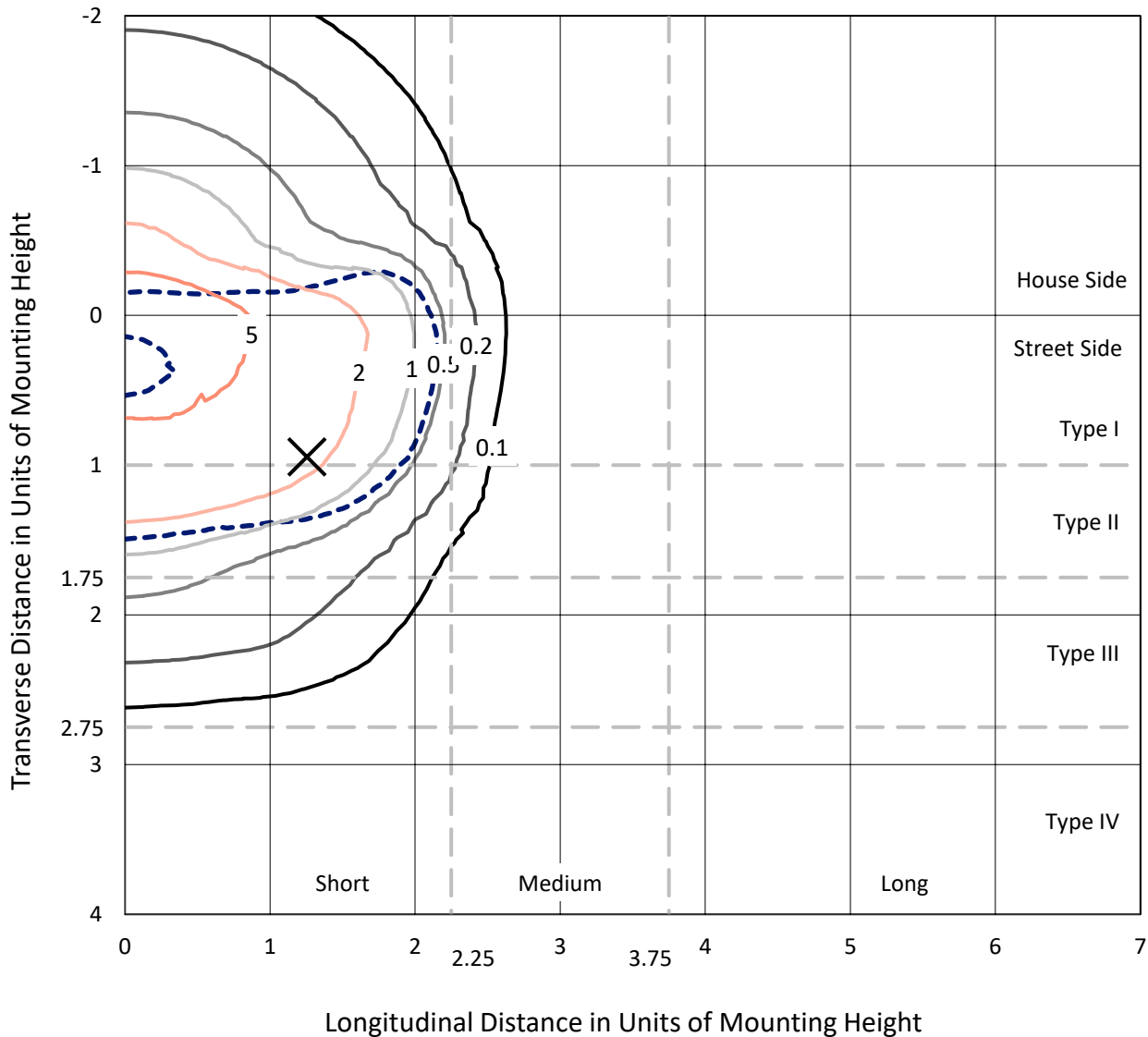
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

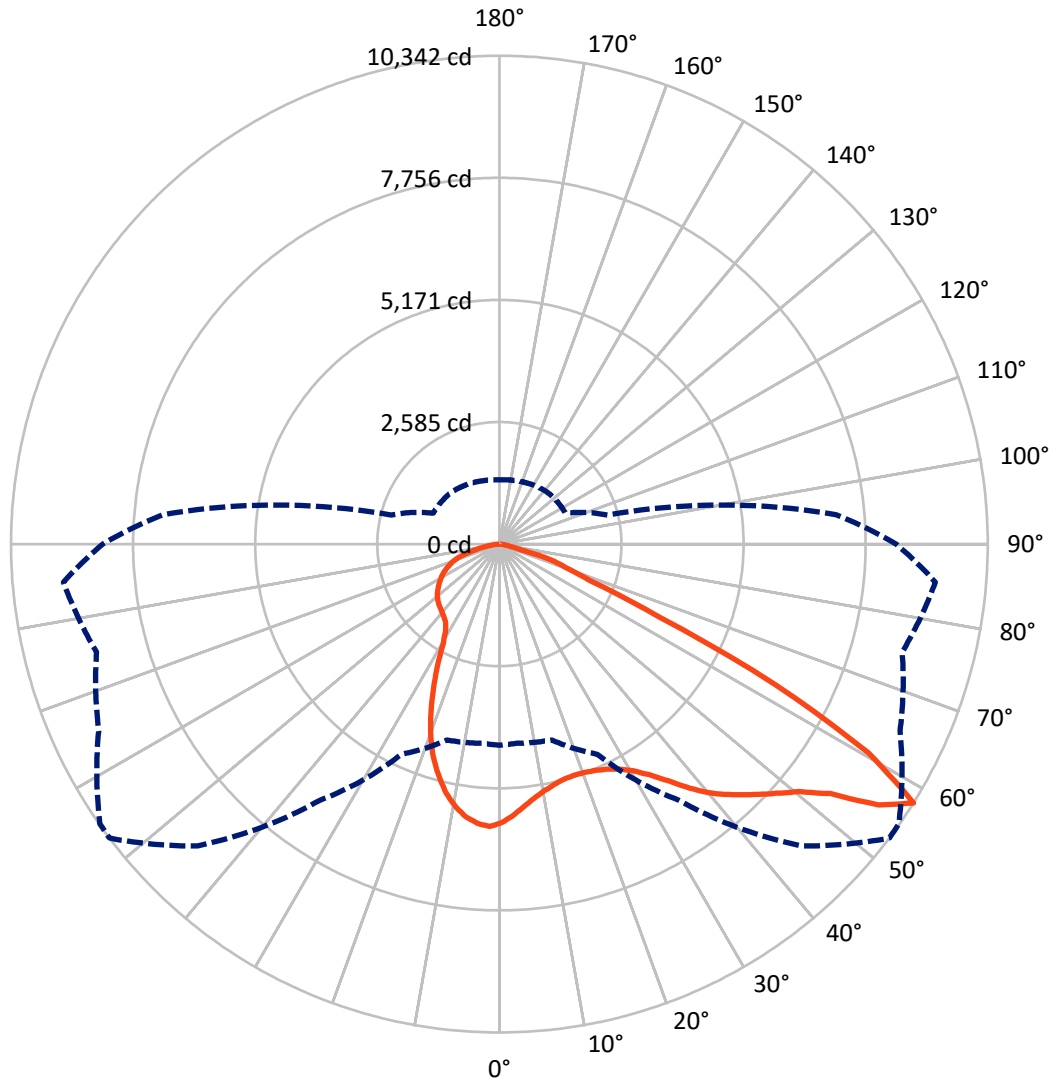
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5776.1	0.0	5776.1
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	12697.7	0.0	12697.7
	% Fixture	68.7	0.0	68.7
Total	Lumens	18473.8	0.0	18473.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	533.5	2.9
10°-20°	1399.6	7.6
20°-30°	2062.1	11.2
30°-40°	2886.3	15.6
40°-50°	3794.3	20.5
50°-60°	4448.8	24.1
60°-70°	2620.8	14.2
70°-80°	652.0	3.5
80°-90°	76.5	0.4
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°	18473.8	100.0
0°-180°	18473.8	100.0

Coefficient of Utilization



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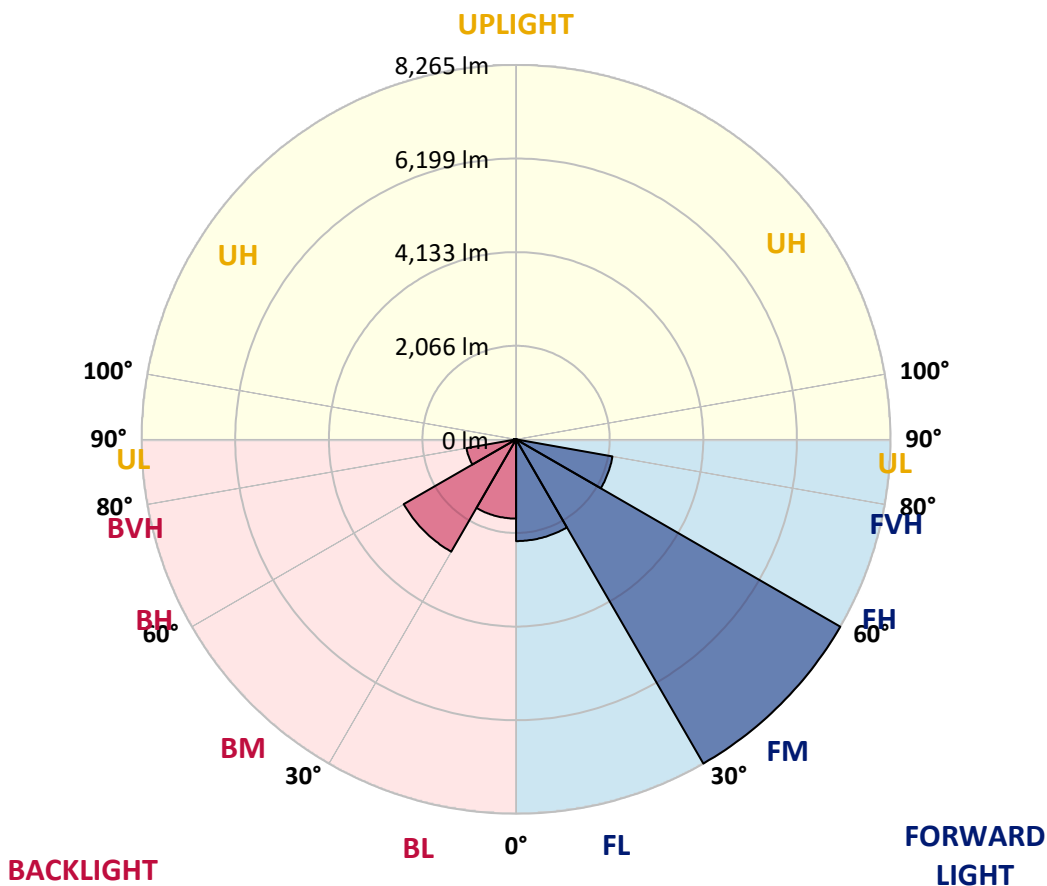
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2246.1	12.2			
FM (30°-60°)	8265.3	44.7			
FH (60°-80°)	2160.7	11.7			G2/5000
FVH (80°-90°)	25.6	0.1			G1/100
BL (0°-30°)	1749.0	9.5	B3/2500		
BM (30°-60°)	2864.1	15.5	B3/5000		
BH (60°-80°)	1112.1	6.0	B3/2500		G3/2500
BVH (80°-90°)	50.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	5899.2	5899.2	5899.2	5899.2	5899.2	5899.2	5899.2	5899.2	5899.2	5899.2	5899.2
2.5°	5560.2	5575.8	5578.9	5627.1	5630.2	5700.2	5746.8	5737.5	5785.7	5844.8	5891.4
5°	5294.3	5295.9	5311.4	5369.0	5400.1	5491.8	5569.6	5569.6	5662.8	5784.1	5888.3
7.5°	5075.1	5073.5	5087.5	5151.3	5202.6	5313.0	5418.7	5431.2	5561.8	5739.0	5908.5
10°	4871.4	4882.3	4897.8	4975.6	5040.9	5177.7	5303.7	5323.9	5488.7	5707.9	5936.5
12.5°	4740.8	4742.4	4765.7	4852.8	4936.7	5082.9	5215.0	5239.9	5429.6	5678.4	5956.7
15°	4656.8	4658.4	4683.3	4779.7	4877.6	5025.3	5160.6	5188.6	5395.4	5673.7	5995.6
17.5°	4619.5	4618.0	4641.3	4737.7	4845.0	4998.9	5143.5	5177.7	5411.0	5709.5	6064.0
20°	4619.5	4621.1	4633.5	4720.6	4829.4	4992.7	5160.6	5202.6	5471.6	5790.3	6169.7
22.5°	4684.8	4691.0	4697.3	4756.4	4841.9	5002.0	5205.7	5261.7	5602.2	5925.6	6308.1
25°	4812.3	4813.9	4820.1	4868.3	4907.2	5028.5	5280.3	5364.3	5805.9	6123.1	6482.3
27.5°	4983.4	5005.1	5011.4	5042.4	5042.4	5093.8	5397.0	5518.2	6081.1	6407.6	6704.6
30°	5222.8	5230.6	5241.5	5275.7	5238.4	5216.6	5568.0	5723.5	6399.9	6751.3	6972.0
32.5°	5432.7	5449.8	5508.9	5564.9	5498.0	5429.6	5819.9	6003.4	6706.2	7108.9	7256.6
35°	5611.5	5653.5	5767.0	5891.4	5844.8	5776.3	6154.2	6345.4	6958.1	7365.4	7508.5
37.5°	5827.7	5860.3	6015.8	6217.9	6259.9	6227.3	6561.6	6698.4	7126.0	7430.7	7645.3
40°	6046.9	6096.7	6297.2	6577.1	6737.3	6760.6	6937.8	7029.6	7183.5	7303.2	7618.9
42.5°	6270.8	6356.3	6631.5	6958.1	7242.6	7295.5	7255.0	7293.9	7164.8	7127.5	7496.0
45°	6544.5	6645.5	6956.5	7373.2	7747.9	7830.3	7566.0	7530.2	7161.7	7060.7	7419.8
47.5°	6867.9	6968.9	7265.9	7751.0	8229.9	8290.6	7884.8	7819.5	7270.6	7163.3	7522.5
50°	7154.0	7223.9	7489.8	8032.5	8679.3	8715.1	8236.2	8156.9	7541.1	7447.8	7842.8
52.5°	6863.2	6855.4	7135.3	7803.9	8912.5	9343.2	8777.3	8701.1	8063.6	7920.5	8338.8
55°	5823.0	5734.4	5984.7	6642.4	8261.0	9901.4	9747.5	9595.1	8760.1	8396.3	8803.7
57.5°	4257.2	4232.4	4293.0	4910.3	6617.5	9036.9	10341.5	10327.5	9361.9	8831.7	9267.0
60°	3329.0	3291.7	3130.0	3147.1	4510.7	7059.1	8974.7	9386.8	9735.1	9092.9	9590.4
62.5°	2955.8	2927.8	2843.9	2612.2	2686.8	4733.0	6578.7	6956.5	8506.7	8030.9	8237.7
65°	2447.4	2439.6	2509.6	2500.2	2251.5	2613.7	3713.0	4094.0	5348.8	5415.6	5348.8
67.5°	1778.8	1764.8	1942.0	2291.9	2167.5	1973.1	2069.5	2201.7	2742.8	2462.9	2217.2
70°	1156.8	1136.6	1239.2	1655.9	1940.5	1719.7	1491.1	1469.4	1508.2	937.6	1013.8
72.5°	775.9	752.6	751.0	911.2	1172.4	1158.4	1155.3	1144.4	1021.6	740.1	821.0
75°	432.3	413.6	408.9	393.4	419.8	427.6	455.6	471.1	510.0	561.3	621.9
77.5°	73.1	71.5	90.2	115.1	158.6	203.7	251.9	265.9	328.1	388.7	427.6
80°	40.4	42.0	54.4	66.9	88.6	121.3	155.5	164.8	202.1	234.8	265.9
82.5°	21.8	21.8	28.0	35.8	48.2	63.7	84.0	91.7	116.6	136.8	158.6
85°	7.8	7.8	10.9	14.0	20.2	26.4	32.7	37.3	51.3	70.0	79.3
87.5°	0.0	0.0	0.0	0.0	1.6	3.1	6.2	6.2	7.8	14.0	20.2
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°	5899.2	5899.2	5899.2	5899.2	5899.2	5899.2	5899.2	5899.2	5899.2	5899.2	5899.2
2.5°	5930.3	5888.3	5945.8	5972.3	5981.6	5987.8	5947.4	5919.4	5910.1	5880.5	5863.4
5°	5952.0	5924.1	5978.5	5978.5	5939.6	5899.2	5816.8	5759.2	5718.8	5670.6	5662.8
7.5°	5989.4	5969.2	5998.7	5938.1	5840.1	5731.3	5588.2	5476.3	5386.1	5327.0	5328.5
10°	6039.1	6014.2	5990.9	5855.6	5676.8	5476.3	5257.0	5093.8	4944.5	4876.1	4838.8
12.5°	6071.8	6036.0	5938.1	5714.2	5451.4	5182.4	4873.0	4630.4	4414.3	4316.3	4308.5
15°	6112.2	6046.9	5851.0	5530.7	5165.3	4798.3	4400.3	4062.9	3770.6	3618.2	3610.4
17.5°	6165.1	6057.8	5746.8	5320.8	4863.6	4322.5	3821.9	3397.4	3086.4	2968.3	2988.5
20°	6239.7	6070.2	5628.6	5087.5	4488.9	3781.4	3157.9	2767.7	2647.9	2640.2	2624.6
22.5°	6323.7	6078.0	5498.0	4826.3	4034.9	3204.6	2609.1	2442.7	2441.1	2480.0	2489.3
25°	6418.5	6084.2	5350.3	4521.6	3543.6	2629.3	2307.4	2257.7	2296.5	2369.6	2379.0
27.5°	6539.8	6096.7	5171.5	4187.3	3021.1	2271.7	2141.1	2128.6	2175.3	2243.7	2240.6
30°	6718.6	6141.7	4981.8	3803.2	2484.7	2102.2	2040.0	2041.5	2060.2	2092.9	2097.5
32.5°	6900.5	6211.7	4796.8	3371.0	2176.8	2005.8	1977.8	1974.7	1974.7	1988.7	1991.8
35°	7073.1	6291.0	4596.2	2920.0	2027.6	1949.8	1931.2	1921.8	1917.2	1914.0	1909.4
37.5°	7169.5	6329.9	4400.3	2475.4	1948.3	1912.5	1893.8	1881.4	1864.3	1851.9	1848.7
40°	7127.5	6284.8	4173.3	2142.6	1900.1	1876.7	1855.0	1837.9	1814.5	1803.7	1797.4
42.5°	6987.6	6144.9	3926.1	1985.6	1861.2	1837.9	1811.4	1783.4	1767.9	1758.6	1757.0
45°	6839.9	5975.4	3627.5	1893.8	1823.9	1795.9	1764.8	1733.7	1716.6	1711.9	1710.4
47.5°	6835.2	5891.4	3310.3	1820.8	1778.8	1750.8	1711.9	1680.8	1662.2	1655.9	1649.7
50°	7040.5	5976.9	2952.7	1757.0	1732.1	1702.6	1659.0	1624.8	1601.5	1593.7	1592.2
52.5°	7466.5	6298.8	2632.4	1693.3	1669.9	1635.7	1600.0	1565.8	1537.8	1523.8	1522.2
55°	7926.7	6707.7	2433.4	1628.0	1596.9	1567.3	1534.7	1497.3	1466.2	1444.5	1441.4
57.5°	8402.5	7154.0	2372.7	1545.5	1522.2	1502.0	1463.1	1422.7	1386.9	1366.7	1362.1
60°	8794.4	7538.0	2486.2	1458.5	1446.0	1419.6	1383.8	1345.0	1320.1	1304.5	1301.4
62.5°	7362.3	6137.1	2007.3	1363.6	1363.6	1335.6	1295.2	1267.2	1250.1	1239.2	1236.1
65°	4672.4	3800.1	1369.8	1268.8	1267.2	1229.9	1195.7	1177.0	1169.3	1152.2	1149.1
67.5°	2035.3	1736.8	1170.8	1172.4	1166.2	1125.7	1091.5	1077.5	1062.0	1043.3	1041.8
70°	1055.8	1076.0	1048.0	1065.1	1054.2	1006.0	973.3	951.6	918.9	900.3	901.8
72.5°	852.1	873.8	904.9	931.4	908.0	869.2	817.9	791.4	749.4	729.2	730.8
75°	649.9	673.3	702.8	730.8	712.1	663.9	631.3	604.8	556.6	533.3	538.0
77.5°	447.8	460.2	496.0	494.4	488.2	474.2	426.0	394.9	345.2	317.2	320.3
80°	278.3	286.1	303.2	311.0	307.9	289.2	250.3	227.0	197.5	180.4	181.9
82.5°	167.9	172.6	188.1	189.7	188.1	174.1	144.6	127.5	108.8	99.5	99.5
85°	85.5	88.6	98.0	98.0	88.6	74.6	66.9	59.1	48.2	43.5	43.5
87.5°	23.3	23.3	29.5	24.9	20.2	18.7	9.3	7.8	3.1	1.6	1.6
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)