

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: P639295

Luminaire Tested: GWS-SA5B-750-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639295
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-SA5B-750-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15469.4 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

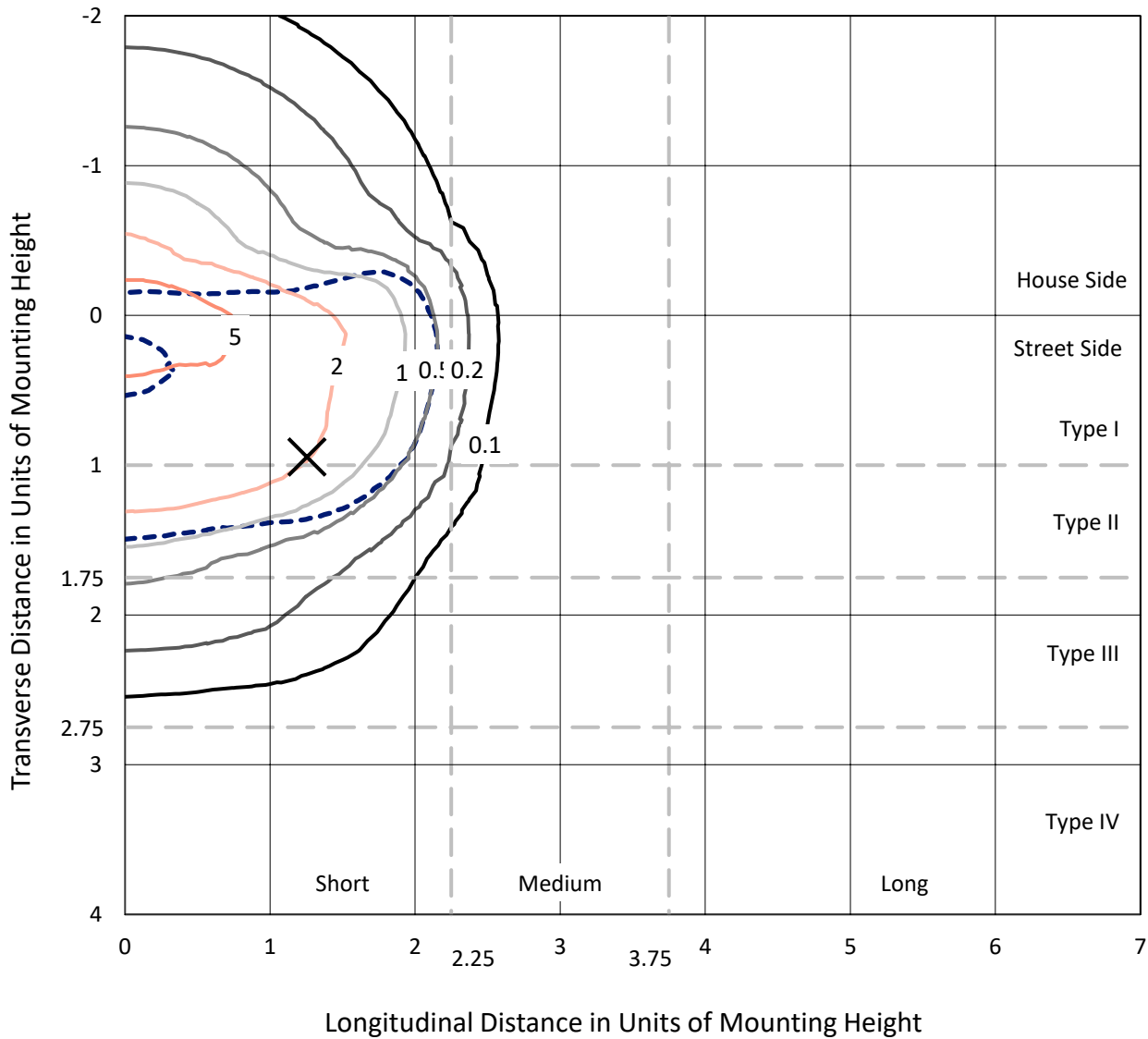
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

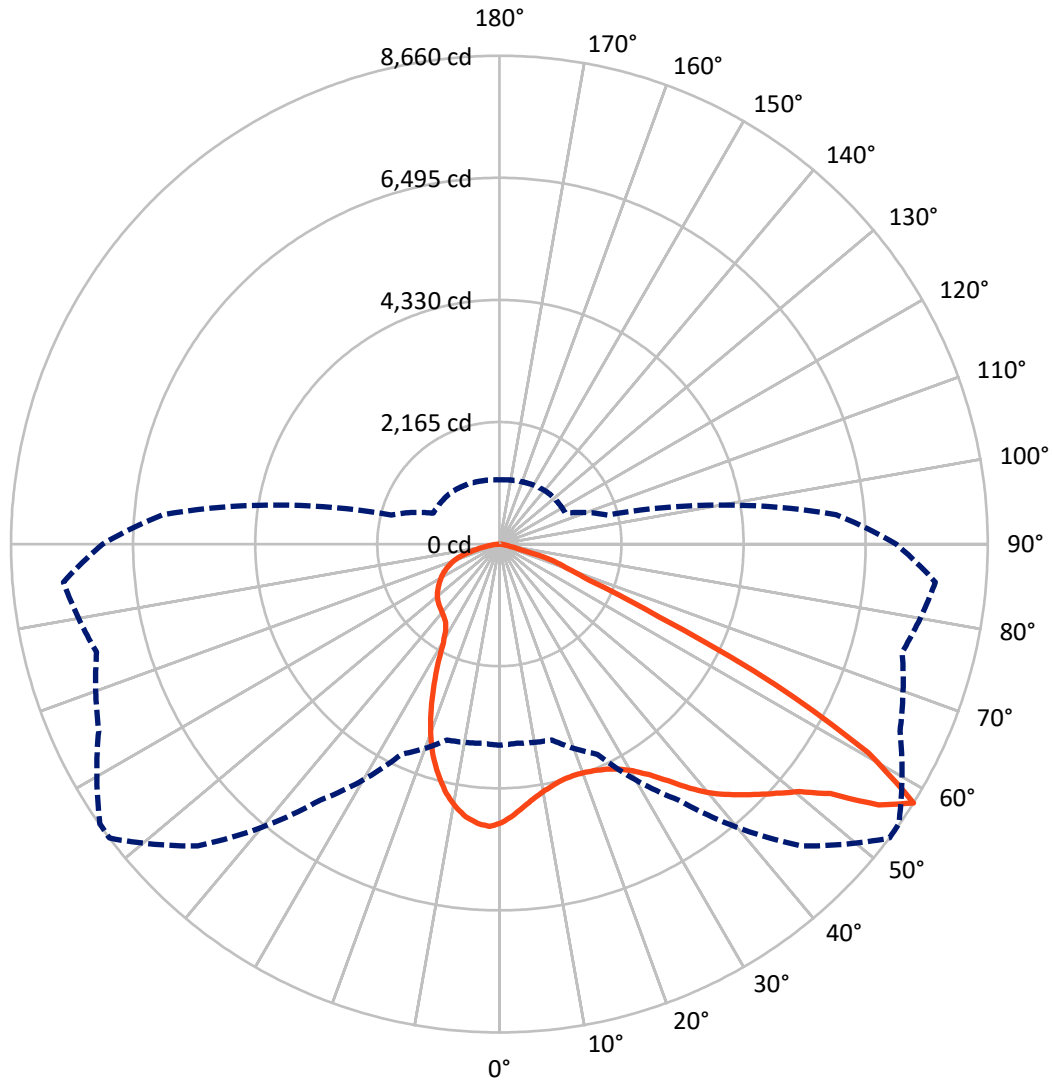
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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	4836.7	0.0	4836.7
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	10632.7	0.0	10632.7
	% Fixture	68.7	0.0	68.7
Total	Lumens	15469.4	0.0	15469.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.7	2.9
10°-20°	1171.9	7.6
20°-30°	1726.7	11.2
30°-40°	2416.9	15.6
40°-50°	3177.2	20.5
50°-60°	3725.3	24.1
60°-70°	2194.6	14.2
70°-80°	545.9	3.5
80°-90°	64.0	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°	15469.4	100.0
0°-180°	15469.4	100.0

Coefficient of Utilization



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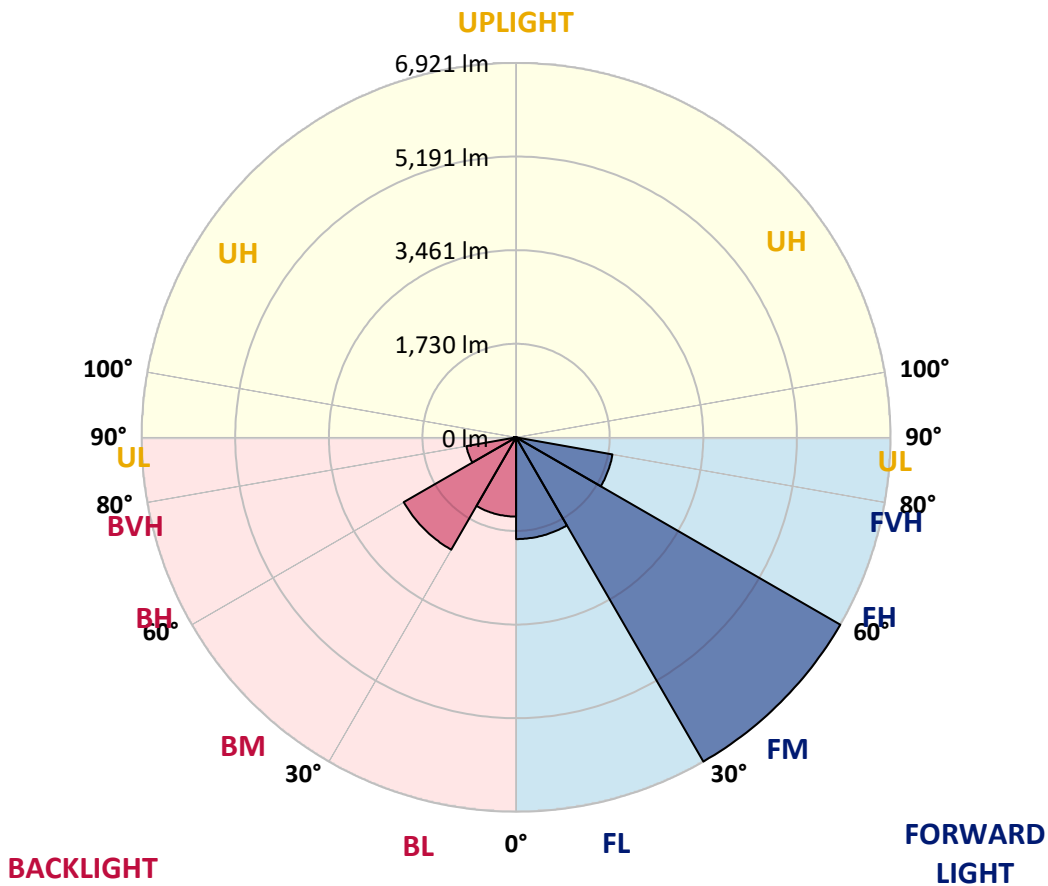
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1880.8	12.2			
FM (30°-60°)	6921.2	44.7			
FH (60°-80°)	1809.3	11.7			G2/5000
FVH (80°-90°)	21.4	0.1			G1/100
BL (0°-30°)	1464.6	9.5	B3/2500		
BM (30°-60°)	2398.3	15.5	B2/2500		
BH (60°-80°)	931.2	6.0	B2/1000		G2/1000
BVH (80°-90°)	42.6	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	4939.8	4939.8	4939.8	4939.8	4939.8	4939.8	4939.8	4939.8	4939.8	4939.8	4939.8
2.5°	4656.0	4669.0	4671.6	4711.9	4714.6	4773.1	4812.2	4804.4	4844.8	4894.2	4933.3
5°	4433.3	4434.6	4447.6	4495.8	4521.9	4598.7	4663.8	4663.8	4741.9	4843.4	4930.7
7.5°	4249.7	4248.4	4260.2	4313.5	4356.5	4448.9	4537.5	4547.9	4657.3	4805.7	4947.6
10°	4079.2	4088.3	4101.3	4166.4	4221.1	4335.7	4441.1	4458.1	4596.1	4779.7	4971.0
12.5°	3969.8	3971.1	3990.6	4063.5	4133.9	4256.2	4366.9	4387.7	4546.6	4754.9	4988.0
15°	3899.5	3900.8	3921.6	4002.4	4084.4	4208.1	4321.3	4344.8	4517.9	4751.0	5020.5
17.5°	3868.2	3866.9	3886.5	3967.2	4057.0	4185.9	4307.0	4335.7	4531.0	4781.0	5077.8
20°	3868.2	3869.6	3880.0	3952.9	4044.0	4180.7	4321.3	4356.5	4581.7	4848.7	5166.3
22.5°	3922.9	3928.1	3933.3	3982.8	4054.4	4188.5	4359.1	4406.0	4691.1	4961.9	5282.2
25°	4029.7	4031.0	4036.2	4076.6	4109.1	4210.7	4421.6	4491.9	4861.7	5127.3	5428.0
27.5°	4172.9	4191.1	4196.4	4222.4	4222.4	4265.4	4519.3	4620.8	5092.1	5365.6	5614.2
30°	4373.4	4379.9	4389.1	4417.7	4386.4	4368.2	4662.5	4792.7	5359.0	5653.3	5838.2
32.5°	4549.2	4563.5	4613.0	4659.9	4603.9	4546.6	4873.4	5027.0	5615.5	5952.8	6076.4
35°	4698.9	4734.1	4829.1	4933.3	4894.2	4836.9	5153.3	5313.5	5826.5	6167.6	6287.4
37.5°	4879.9	4907.2	5037.4	5206.7	5241.9	5214.5	5494.5	5609.0	5967.1	6222.3	6401.9
40°	5063.5	5105.2	5273.1	5507.5	5641.6	5661.1	5809.5	5886.4	6015.3	6115.5	6379.8
42.5°	5251.0	5322.6	5553.0	5826.5	6064.7	6109.0	6075.1	6107.7	5999.6	5968.4	6277.0
45°	5480.1	5564.8	5825.2	6174.1	6487.9	6556.9	6335.5	6305.6	5997.0	5912.4	6213.2
47.5°	5750.9	5835.6	6084.3	6490.5	6891.5	6942.3	6602.5	6547.8	6088.2	5998.3	6299.1
50°	5990.5	6049.1	6271.7	6726.1	7267.8	7297.7	6896.7	6830.3	6314.7	6236.6	6567.3
52.5°	5747.0	5740.5	5974.9	6534.8	7463.1	7823.7	7349.8	7286.0	6752.2	6632.4	6982.6
55°	4876.0	4801.8	5011.4	5562.2	6917.5	8291.2	8162.3	8034.7	7335.5	7030.8	7371.9
57.5°	3564.9	3544.1	3594.8	4111.7	5541.3	7567.2	8659.6	8647.9	7839.4	7395.4	7759.9
60°	2787.6	2756.3	2620.9	2635.3	3777.1	5911.1	7515.2	7860.2	8151.8	7614.1	8030.8
62.5°	2475.1	2451.7	2381.4	2187.4	2249.9	3963.3	5508.8	5825.2	7123.3	6724.8	6898.0
65°	2049.4	2042.8	2101.4	2093.6	1885.3	2188.7	3109.2	3428.2	4478.9	4534.9	4478.9
67.5°	1489.5	1477.8	1626.2	1919.2	1815.0	1652.2	1733.0	1843.6	2296.7	2062.4	1856.7
70°	968.7	951.8	1037.7	1386.6	1624.9	1440.0	1248.6	1230.4	1262.9	785.1	848.9
72.5°	649.7	630.2	628.9	763.0	981.7	970.0	967.4	958.3	855.4	619.8	687.5
75°	362.0	346.3	342.4	329.4	351.5	358.1	381.5	394.5	427.1	470.0	520.8
77.5°	61.2	59.9	75.5	96.3	132.8	170.6	210.9	222.6	274.7	325.5	358.1
80°	33.9	35.2	45.6	56.0	74.2	101.6	130.2	138.0	169.3	196.6	222.6
82.5°	18.2	18.2	23.4	29.9	40.4	53.4	70.3	76.8	97.7	114.6	132.8
85°	6.5	6.5	9.1	11.7	16.9	22.1	27.3	31.2	43.0	58.6	66.4
87.5°	0.0	0.0	0.0	0.0	1.3	2.6	5.2	5.2	6.5	11.7	16.9
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°	4939.8	4939.8	4939.8	4939.8	4939.8	4939.8	4939.8	4939.8	4939.8	4939.8	4939.8
2.5°	4965.8	4930.7	4978.9	5001.0	5008.8	5014.0	4980.2	4956.7	4948.9	4924.2	4909.9
5°	4984.1	4960.6	5006.2	5006.2	4973.6	4939.8	4870.8	4822.6	4788.8	4748.4	4741.9
7.5°	5015.3	4998.4	5023.1	4972.3	4890.3	4799.2	4679.4	4585.7	4510.1	4460.7	4462.0
10°	5057.0	5036.1	5016.6	4903.3	4753.6	4585.7	4402.1	4265.4	4140.4	4083.1	4051.8
12.5°	5084.3	5054.4	4972.3	4784.9	4564.8	4339.6	4080.5	3877.4	3696.4	3614.4	3607.8
15°	5118.2	5063.5	4899.4	4631.2	4325.3	4018.0	3684.7	3402.1	3157.4	3029.8	3023.2
17.5°	5162.4	5072.6	4812.2	4455.5	4072.7	3619.6	3200.3	2844.9	2584.5	2485.5	2502.4
20°	5224.9	5083.0	4713.2	4260.2	3758.9	3166.5	2644.4	2317.6	2217.3	2210.8	2197.8
22.5°	5295.2	5089.5	4603.9	4041.4	3378.7	2683.4	2184.8	2045.4	2044.1	2076.7	2084.5
25°	5374.7	5094.7	4480.2	3786.2	2967.3	2201.7	1932.2	1890.5	1923.1	1984.3	1992.1
27.5°	5476.2	5105.2	4330.5	3506.3	2529.8	1902.2	1792.9	1782.4	1821.5	1878.8	1876.2
30°	5626.0	5142.9	4171.6	3184.7	2080.6	1760.3	1708.2	1709.5	1725.2	1752.5	1756.4
32.5°	5778.3	5201.5	4016.7	2822.7	1822.8	1679.6	1656.1	1653.5	1653.5	1665.3	1667.9
35°	5922.8	5267.9	3848.7	2445.2	1697.8	1632.7	1617.1	1609.3	1605.4	1602.8	1598.9
37.5°	6003.5	5300.5	3684.7	2072.8	1631.4	1601.5	1585.8	1575.4	1561.1	1550.7	1548.1
40°	5968.4	5262.7	3494.6	1794.2	1591.0	1571.5	1553.3	1539.0	1519.4	1510.3	1505.1
42.5°	5851.2	5145.5	3287.6	1662.7	1558.5	1539.0	1516.8	1493.4	1480.4	1472.6	1471.3
45°	5727.5	5003.6	3037.6	1585.8	1527.2	1503.8	1477.8	1451.7	1437.4	1433.5	1432.2
47.5°	5723.6	4933.3	2772.0	1524.6	1489.5	1466.1	1433.5	1407.5	1391.8	1386.6	1381.4
50°	5895.5	5004.9	2472.5	1471.3	1450.4	1425.7	1389.2	1360.6	1341.1	1334.6	1333.3
52.5°	6252.2	5274.4	2204.3	1417.9	1398.4	1369.7	1339.8	1311.1	1287.7	1276.0	1274.7
55°	6637.6	5616.8	2037.6	1363.2	1337.2	1312.4	1285.1	1253.8	1227.8	1209.6	1207.0
57.5°	7036.0	5990.5	1986.9	1294.2	1274.7	1257.7	1225.2	1191.3	1161.4	1144.5	1140.6
60°	7364.1	6312.1	2081.9	1221.3	1210.9	1188.7	1158.8	1126.2	1105.4	1092.4	1089.8
62.5°	6165.0	5139.0	1680.9	1141.9	1141.9	1118.4	1084.6	1061.1	1046.8	1037.7	1035.1
65°	3912.5	3182.1	1147.1	1062.4	1061.1	1029.9	1001.2	985.6	979.1	964.8	962.2
67.5°	1704.3	1454.3	980.4	981.7	976.5	942.6	914.0	902.3	889.3	873.6	872.3
70°	884.1	901.0	877.5	891.9	882.8	842.4	815.1	796.8	769.5	753.9	755.2
72.5°	713.5	731.7	757.8	779.9	760.4	727.8	684.9	662.7	627.6	610.6	611.9
75°	544.2	563.8	588.5	611.9	596.3	556.0	528.6	506.5	466.1	446.6	450.5
77.5°	375.0	385.4	415.3	414.0	408.8	397.1	356.7	330.7	289.0	265.6	268.2
80°	233.1	239.6	253.9	260.4	257.8	242.2	209.6	190.1	165.4	151.0	152.3
82.5°	140.6	144.5	157.5	158.8	157.5	145.8	121.1	106.8	91.1	83.3	83.3
85°	71.6	74.2	82.0	82.0	74.2	62.5	56.0	49.5	40.4	36.5	36.5
87.5°	19.5	19.5	24.7	20.8	16.9	15.6	7.8	6.5	2.6	1.3	1.3
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)