

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: P642207

Luminaire Tested: GWS-SA6C-740-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642207
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25031 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

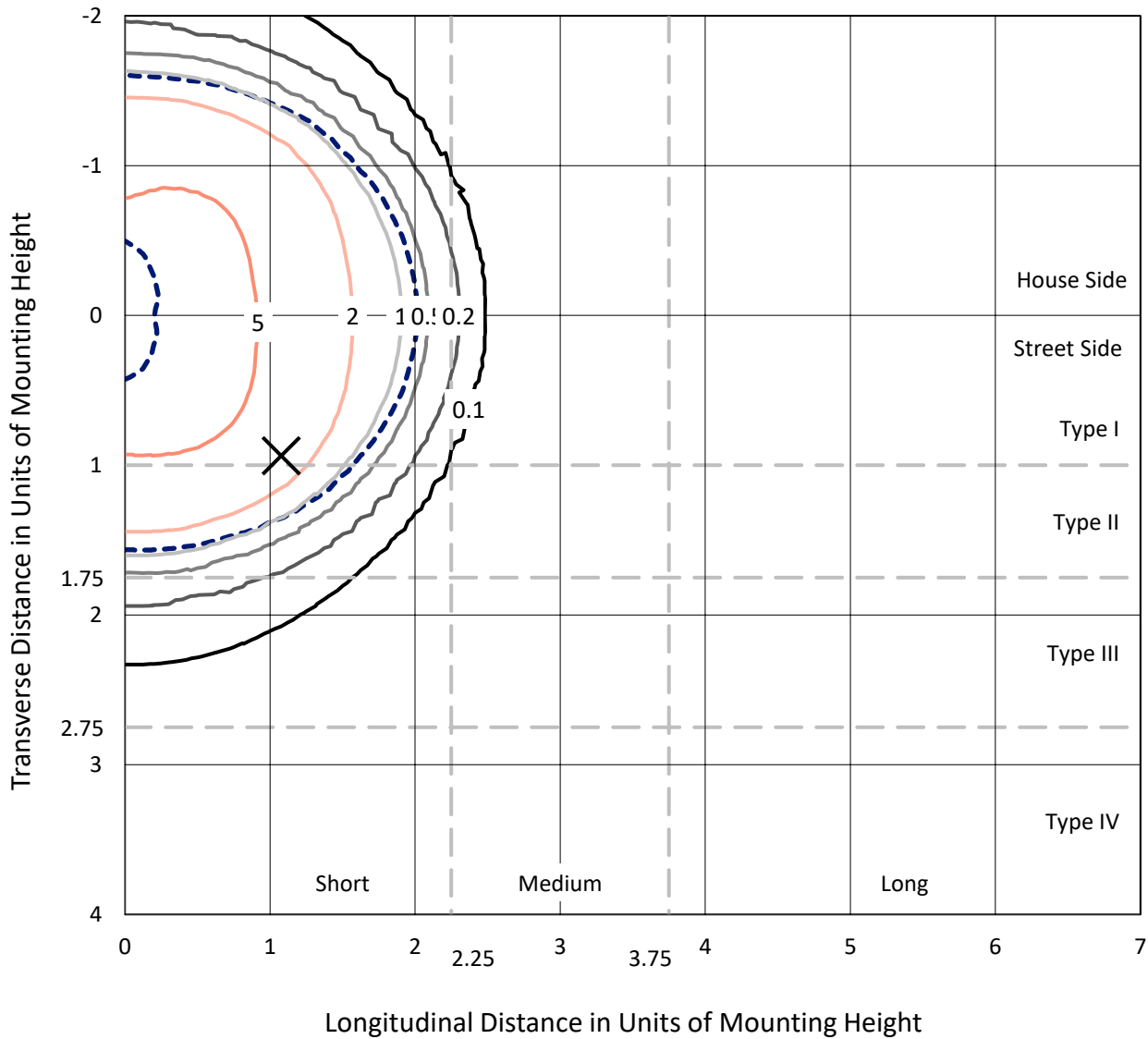
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

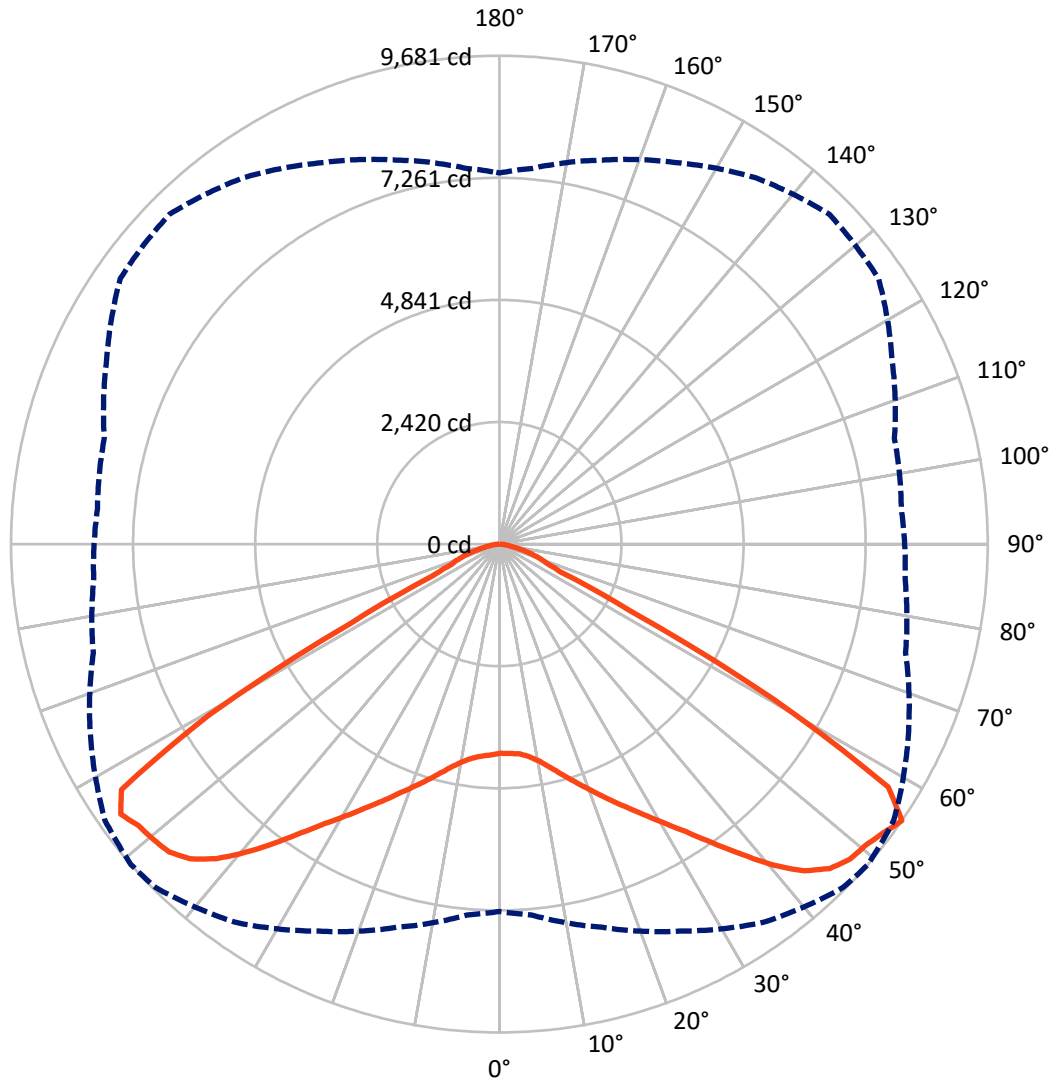
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P642207
CATALOG NUMBER: GWS-SA6C-740-U-RW-W-GRSWH

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
House Side	Lumens	12392.7	0.0	12392.7
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	12638.3	0.0	12638.3
	% Fixture	50.5	0.0	50.5
Total	Lumens	25031.0	0.0	25031.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.5	1.6
10°-20°	1334.2	5.3
20°-30°	2541.3	10.2
30°-40°	4308.0	17.2
40°-50°	6483.2	25.9
50°-60°	7096.5	28.4
60°-70°	2243.9	9.0
70°-80°	538.6	2.2
80°-90°	80.8	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°	25031.0	100.0
0°-180°	25031.0	100.0

Coefficient of Utilization



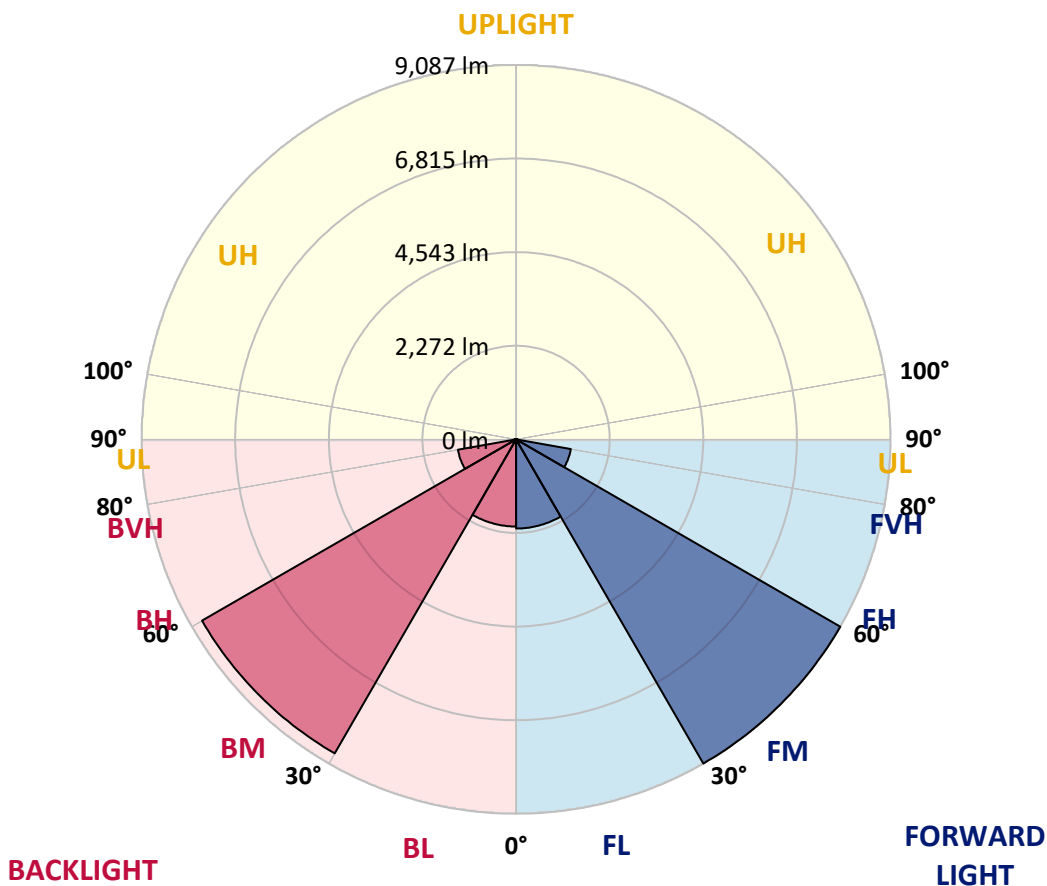
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2164.2	8.6			
FM (30°-60°)	9086.9	36.3			
FH (60°-80°)	1349.8	5.4			G1/1800
FVH (80°-90°)	37.4	0.1			G1/100
BL (0°-30°)	2115.8	8.5	B3/2500		
BM (30°-60°)	8800.8	35.2	B5		
BH (60°-80°)	1432.7	5.7	B3/2500		G1/1800
BVH (80°-90°)	43.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	4146.5	4146.5	4146.5	4146.5	4146.5	4146.5	4146.5	4146.5	4146.5	4146.5	4146.5
2.5°	4085.5	4089.5	4097.7	4111.9	4126.2	4146.5	4154.7	4164.9	4162.8	4175.0	4175.0
5°	4065.1	4071.2	4083.4	4103.8	4128.2	4166.9	4177.1	4201.5	4225.9	4256.5	4266.6
7.5°	4089.5	4097.7	4111.9	4144.5	4181.1	4232.0	4252.4	4293.1	4339.9	4394.9	4417.3
10°	4136.4	4146.5	4171.0	4223.9	4282.9	4360.3	4378.6	4429.5	4504.8	4580.1	4624.9
12.5°	4189.3	4205.6	4250.4	4333.8	4421.3	4523.1	4551.6	4614.7	4696.2	4793.9	4854.9
15°	4250.4	4264.6	4333.8	4451.9	4588.3	4722.6	4755.2	4816.3	4907.9	5003.5	5089.0
17.5°	4378.6	4403.0	4484.4	4620.8	4779.6	4938.4	4975.0	5044.2	5117.5	5192.8	5274.3
20°	4553.7	4574.0	4677.8	4846.8	5034.1	5178.6	5215.2	5276.3	5310.9	5349.6	5418.8
22.5°	4728.7	4757.2	4875.3	5074.8	5294.6	5451.4	5479.9	5536.9	5512.4	5500.2	5545.0
25°	4946.5	4985.2	5101.2	5319.0	5543.0	5736.3	5758.7	5807.6	5766.9	5703.8	5701.7
27.5°	5217.3	5251.9	5372.0	5595.9	5817.8	6019.3	6062.0	6127.2	6037.6	5960.3	5905.3
30°	5538.9	5561.3	5693.6	5931.8	6159.8	6351.1	6406.1	6471.2	6404.0	6275.8	6220.8
32.5°	5913.4	5944.0	6096.7	6347.0	6550.6	6741.9	6796.9	6878.3	6805.0	6660.5	6591.3
35°	6363.3	6393.9	6554.7	6827.4	7035.1	7232.5	7271.2	7338.4	7246.8	7079.9	7024.9
37.5°	6851.9	6890.5	7094.1	7352.6	7570.4	7800.5	7802.5	7822.8	7692.6	7484.9	7423.9
40°	7401.5	7452.4	7655.9	7924.6	8187.2	8374.5	8372.5	8315.5	8095.6	7774.0	7680.4
42.5°	7945.0	7985.7	8191.3	8468.1	8730.7	8907.8	8854.9	8716.5	8398.9	7961.3	7837.1
45°	8337.9	8368.4	8584.2	8895.6	9162.3	9272.2	9176.5	9009.6	8580.1	8079.3	7896.1
47.5°	8523.1	8563.8	8781.6	9091.0	9392.3	9455.4	9341.4	9184.7	8685.9	8189.3	7942.9
50°	8423.4	8476.3	8722.6	9009.6	9349.6	9479.8	9398.4	9241.7	8797.9	8297.1	8026.4
52.5°	8164.8	8215.7	8527.2	8875.3	9260.0	9518.5	9516.5	9388.2	8926.1	8327.7	8030.5
55°	7281.4	7381.1	7865.6	8466.1	9150.1	9632.5	9681.4	9545.0	8946.5	8335.8	8073.2
57.5°	4738.9	4914.0	5374.0	6155.7	7527.7	8761.3	9091.0	9123.6	8799.9	8301.2	8081.4
60°	1978.6	2119.1	2483.4	3002.5	4136.4	5604.0	6243.2	6884.4	7658.0	7938.9	8006.1
62.5°	1229.5	1241.7	1278.4	1396.4	1775.1	2491.6	2902.8	3503.3	4653.4	5632.5	6084.4
65°	1109.4	1115.5	1123.7	1115.5	1133.8	1221.4	1331.3	1541.0	2009.1	2495.7	3073.8
67.5°	977.1	985.2	991.3	985.2	991.3	995.4	1007.6	1025.9	1111.4	1180.7	1233.6
70°	789.8	802.0	812.2	808.1	832.6	832.6	844.8	859.0	901.8	952.7	989.3
72.5°	602.5	592.4	604.6	608.6	631.0	643.3	661.6	677.9	726.7	757.2	804.1
75°	390.8	380.7	399.0	409.2	439.7	456.0	472.3	488.5	523.2	543.5	588.3
77.5°	211.7	209.7	228.0	242.2	274.8	295.2	307.4	319.6	348.1	354.2	382.7
80°	122.1	122.1	134.4	144.5	164.9	187.3	199.5	209.7	230.0	236.1	248.3
82.5°	67.2	67.2	73.3	79.4	95.7	107.9	118.1	126.2	144.5	150.6	156.7
85°	32.6	30.5	34.6	38.7	44.8	50.9	57.0	61.1	75.3	79.4	87.5
87.5°	4.1	4.1	4.1	6.1	8.1	12.2	14.2	14.2	22.4	26.5	30.5
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°	4146.5	4146.5	4146.5	4146.5	4146.5	4146.5	4146.5	4146.5	4146.5	4146.5	4146.5
2.5°	4187.2	4160.8	4177.1	4183.2	4183.2	4177.1	4150.6	4142.5	4130.3	4111.9	4111.9
5°	4280.9	4260.5	4264.6	4254.4	4230.0	4199.5	4150.6	4126.2	4105.8	4083.4	4081.4
7.5°	4441.7	4415.2	4411.2	4372.5	4307.4	4242.2	4168.9	4124.1	4093.6	4065.1	4063.1
10°	4651.4	4626.9	4596.4	4519.1	4423.4	4327.7	4228.0	4166.9	4122.1	4081.4	4079.4
12.5°	4885.5	4857.0	4800.0	4686.0	4565.9	4472.2	4358.2	4264.6	4197.4	4142.5	4132.3
15°	5139.9	5099.2	5001.5	4867.1	4749.1	4649.3	4527.2	4392.8	4291.1	4203.5	4193.4
17.5°	5335.3	5282.4	5176.6	5050.3	4952.6	4852.9	4694.1	4525.2	4378.6	4268.7	4252.4
20°	5469.7	5426.9	5306.8	5213.2	5156.2	5068.7	4883.4	4692.1	4527.2	4388.8	4380.6
22.5°	5593.9	5543.0	5424.9	5369.9	5369.9	5310.9	5133.8	4907.9	4714.5	4553.7	4533.3
25°	5734.3	5679.4	5589.8	5583.7	5612.2	5585.7	5372.0	5129.7	4903.8	4722.6	4690.0
27.5°	5929.7	5868.7	5815.7	5852.4	5893.1	5864.6	5626.4	5345.5	5107.3	4924.1	4895.6
30°	6241.2	6165.9	6117.0	6161.8	6241.2	6157.7	5899.2	5602.0	5361.8	5160.3	5146.0
32.5°	6603.5	6518.0	6467.1	6538.4	6609.6	6479.3	6222.9	5937.9	5685.5	5473.8	5449.3
35°	7039.1	6931.3	6855.9	6951.6	7024.9	6896.6	6642.2	6371.5	6090.5	5870.7	5838.1
37.5°	7425.9	7295.6	7244.7	7379.1	7476.8	7393.3	7116.5	6862.0	6554.7	6314.5	6300.2
40°	7706.8	7578.6	7541.9	7763.8	7934.8	7914.5	7666.1	7375.0	7086.0	6809.1	6782.7
42.5°	7829.0	7739.4	7747.5	8046.8	8311.4	8441.7	8219.8	7908.3	7629.5	7342.4	7324.1
45°	7855.4	7800.5	7865.6	8240.1	8588.2	8854.9	8665.6	8405.0	8089.5	7812.7	7804.5
47.5°	7883.9	7853.4	7953.1	8350.1	8763.3	9072.7	8966.9	8698.2	8378.6	8107.8	8087.5
50°	7951.1	7938.9	8050.8	8427.4	8846.8	9131.7	9011.6	8745.0	8417.2	8150.6	8101.7
52.5°	7971.4	7951.1	8111.9	8547.5	8985.2	9129.7	8871.2	8523.1	8193.3	7896.1	7845.2
55°	8034.6	7997.9	8107.8	8592.3	9176.5	9247.8	8863.0	8341.9	7881.9	7476.8	7356.7
57.5°	8050.8	8010.1	8081.4	8519.0	8968.9	8905.8	7790.3	6731.8	5864.6	5414.7	5465.6
60°	7963.3	7975.5	7853.4	7804.5	7193.8	6351.1	4769.4	3812.7	2994.4	2648.3	2723.6
62.5°	6062.0	6112.9	5695.6	4952.6	3808.6	3018.8	1996.9	1551.1	1313.0	1251.9	1262.1
65°	3059.5	3128.7	2695.1	2229.0	1657.0	1339.4	1158.3	1121.6	1109.4	1095.2	1095.2
67.5°	1211.2	1231.5	1215.3	1137.9	1058.5	1030.0	1021.9	1017.8	1003.6	995.4	997.4
70°	973.0	989.3	964.9	916.0	883.5	881.4	877.3	869.2	859.0	859.0	865.1
72.5°	793.9	810.2	775.6	745.0	720.6	702.3	692.1	686.0	671.8	671.8	677.9
75°	584.2	594.4	565.9	561.8	535.4	517.0	500.8	492.6	474.3	466.2	472.3
77.5°	388.8	386.8	372.5	372.5	362.3	339.9	321.6	303.3	278.9	262.6	266.7
80°	252.4	252.4	246.3	246.3	236.1	217.8	195.4	177.1	162.8	150.6	150.6
82.5°	160.8	158.8	156.7	154.7	150.6	132.3	116.0	103.8	93.6	85.5	87.5
85°	89.6	89.6	85.5	85.5	77.4	67.2	59.0	50.9	44.8	42.7	42.7
87.5°	30.5	30.5	28.5	28.5	24.4	18.3	14.2	12.2	10.2	8.1	10.2
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)