

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: P639515

Luminaire Tested: GWS-SA5C-722-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639515
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-SA5C-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14939.2 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

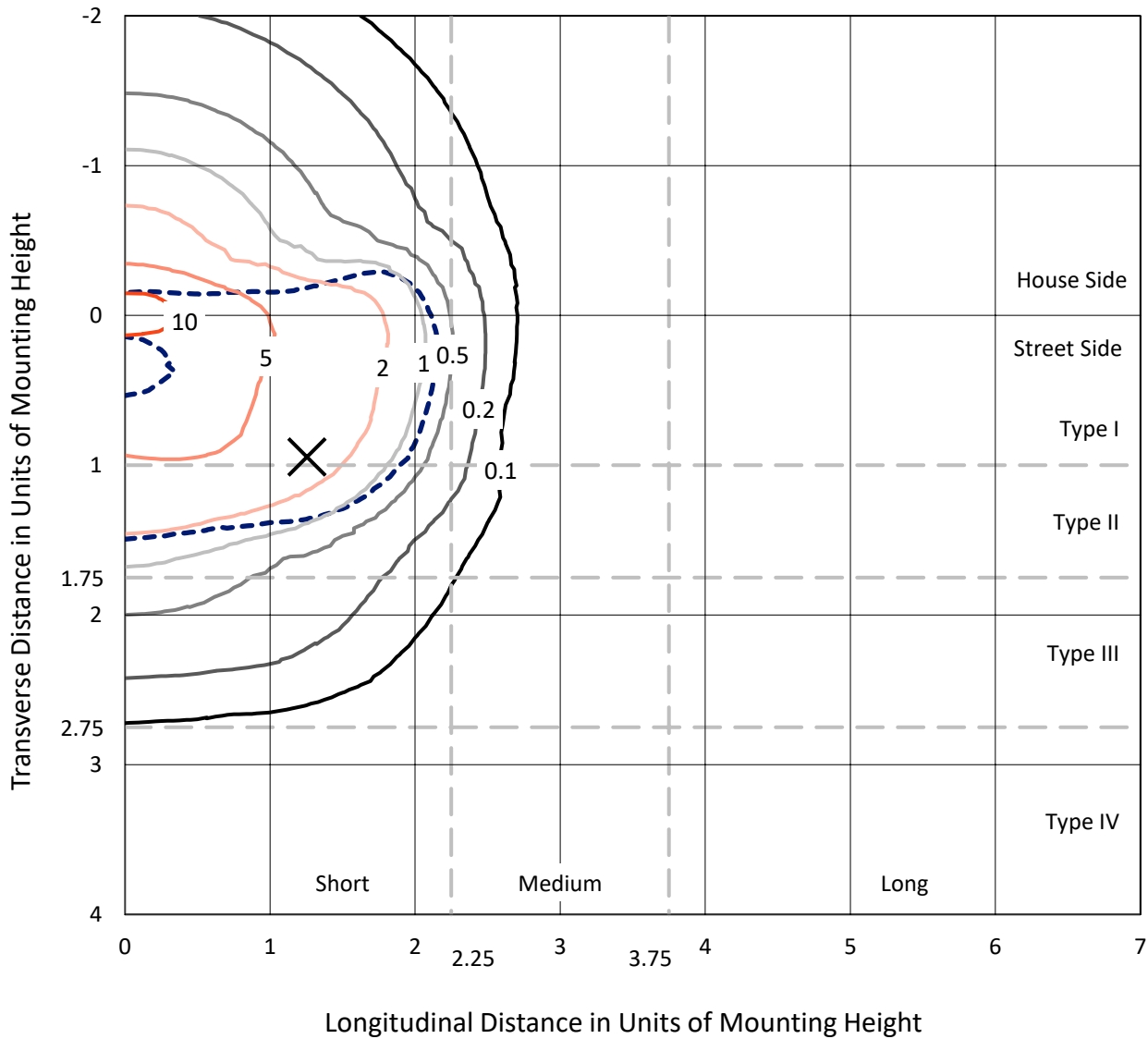
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

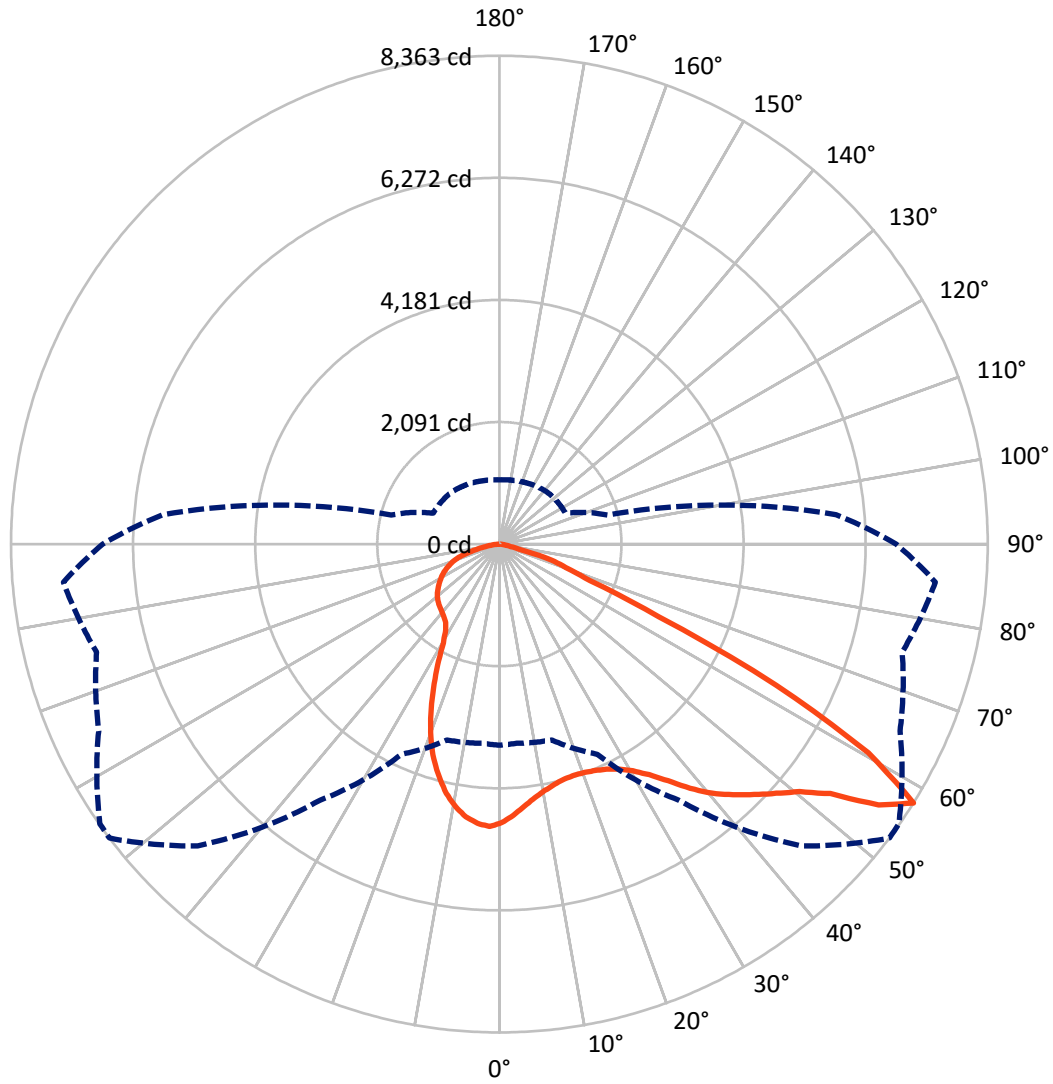
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.9 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	4670.9	0.0	4670.9
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	10268.3	0.0	10268.3
	% Fixture	68.7	0.0	68.7
Total	Lumens	14939.2	0.0	14939.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	431.4	2.9
10°-20°	1131.8	7.6
20°-30°	1667.5	11.2
30°-40°	2334.1	15.6
40°-50°	3068.3	20.5
50°-60°	3597.6	24.1
60°-70°	2119.4	14.2
70°-80°	527.2	3.5
80°-90°	61.9	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°	14939.2	100.0
0°-180°	14939.2	100.0

Coefficient of Utilization



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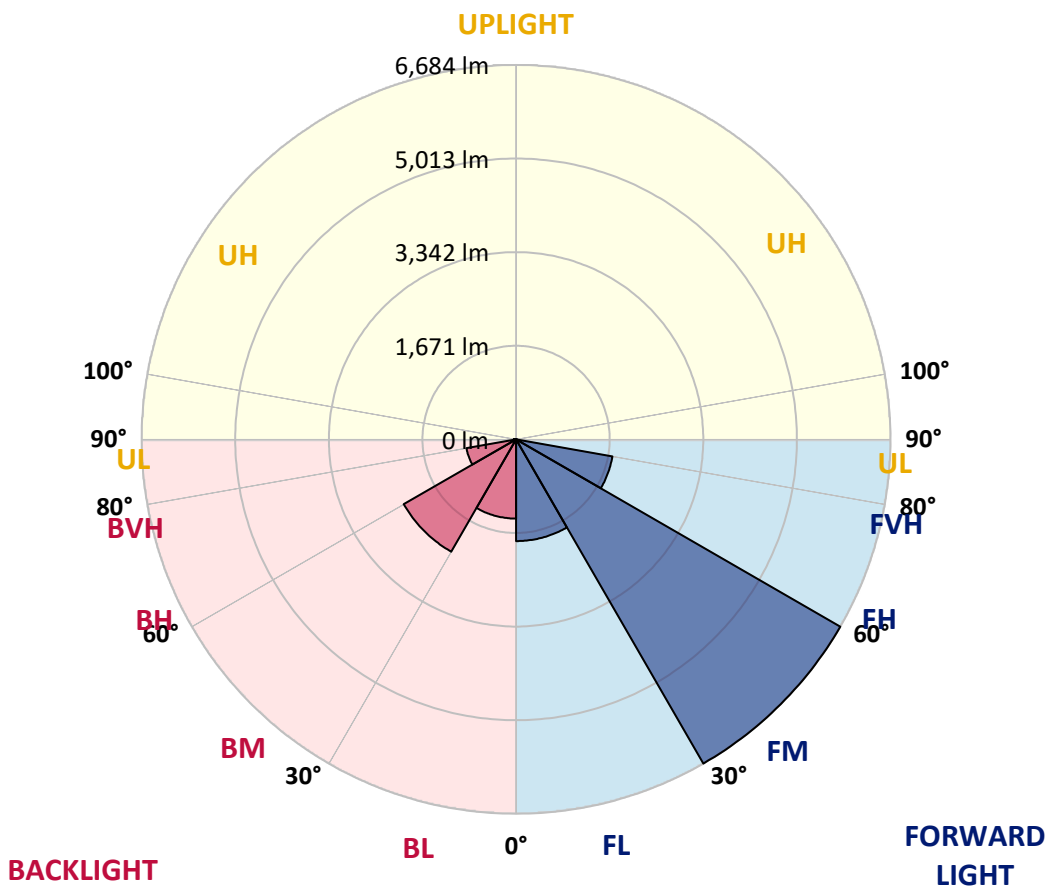
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1816.3	12.2			
FM (30°-60°)	6683.9	44.7			
FH (60°-80°)	1747.3	11.7			G1/1800
FVH (80°-90°)	20.7	0.1			G1/100
BL (0°-30°)	1414.4	9.5	B3/2500		
BM (30°-60°)	2316.1	15.5	B2/2500		
BH (60°-80°)	899.3	6.0	B2/1000		G2/1000
BVH (80°-90°)	41.2	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°	4770.5	4770.5	4770.5	4770.5	4770.5	4770.5	4770.5	4770.5	4770.5	4770.5	4770.5
2.5°	4496.4	4509.0	4511.5	4550.4	4553.0	4609.5	4647.3	4639.7	4678.7	4726.5	4764.2
5°	4281.4	4282.6	4295.2	4341.7	4366.9	4441.1	4503.9	4503.9	4579.4	4677.4	4761.7
7.5°	4104.1	4102.8	4114.1	4165.7	4207.2	4296.5	4382.0	4392.0	4497.6	4641.0	4778.0
10°	3939.4	3948.2	3960.7	4023.6	4076.4	4187.1	4288.9	4305.3	4438.5	4615.8	4800.7
12.5°	3833.7	3835.0	3853.9	3924.3	3992.2	4110.4	4217.2	4237.4	4390.8	4591.9	4817.0
15°	3765.8	3767.1	3787.2	3865.2	3944.4	4063.8	4173.2	4195.9	4363.1	4588.2	4848.4
17.5°	3735.7	3734.4	3753.3	3831.2	3918.0	4042.5	4159.4	4187.1	4375.7	4617.1	4903.8
20°	3735.7	3736.9	3747.0	3817.4	3905.4	4037.4	4173.2	4207.2	4424.7	4682.5	4989.3
22.5°	3788.5	3793.5	3798.5	3846.3	3915.5	4045.0	4209.7	4255.0	4530.3	4791.9	5101.2
25°	3891.6	3892.8	3897.9	3936.8	3968.3	4066.4	4270.1	4338.0	4695.0	4951.6	5242.0
27.5°	4029.9	4047.5	4052.5	4077.7	4077.7	4119.2	4364.4	4462.4	4917.6	5181.7	5421.8
30°	4223.5	4229.8	4238.6	4266.3	4236.1	4218.5	4502.7	4628.4	5175.4	5459.5	5638.1
32.5°	4393.3	4407.1	4454.9	4500.2	4446.1	4390.8	4706.4	4854.7	5423.1	5748.7	5868.2
35°	4537.9	4571.8	4663.6	4764.2	4726.5	4671.2	4976.7	5131.4	5626.8	5956.2	6071.9
37.5°	4712.7	4739.1	4864.8	5028.3	5062.2	5035.8	5306.1	5416.8	5762.6	6009.0	6182.5
40°	4889.9	4930.2	5092.4	5318.7	5448.2	5467.1	5610.4	5684.6	5809.1	5905.9	6161.1
42.5°	5071.0	5140.2	5362.7	5626.8	5856.9	5899.6	5866.9	5898.4	5794.0	5763.8	6061.8
45°	5292.3	5374.0	5625.5	5962.5	6265.5	6332.2	6118.4	6089.5	5791.5	5709.8	6000.2
47.5°	5553.8	5635.6	5875.7	6268.0	6655.3	6704.3	6376.2	6323.4	5879.5	5792.7	6083.2
50°	5785.2	5841.8	6056.8	6495.6	7018.7	7047.6	6660.3	6596.2	6098.3	6022.8	6342.2
52.5°	5550.1	5543.8	5770.1	6310.8	7207.3	7555.6	7097.9	7036.3	6520.8	6405.1	6743.3
55°	4708.9	4637.2	4839.6	5371.5	6680.4	8007.0	7882.5	7759.3	7084.1	6789.8	7119.3
57.5°	3442.7	3422.6	3471.6	3970.8	5351.4	7307.9	8362.8	8351.5	7570.7	7141.9	7494.0
60°	2692.0	2661.9	2531.1	2544.9	3647.7	5708.5	7257.6	7590.8	7872.4	7353.1	7755.5
62.5°	2390.3	2367.6	2299.7	2112.4	2172.7	3827.5	5320.0	5625.5	6879.1	6494.4	6661.6
65°	1979.1	1972.8	2029.4	2021.9	1820.7	2113.7	3002.6	3310.7	4325.4	4379.4	4325.4
67.5°	1438.4	1427.1	1570.5	1853.4	1752.8	1595.6	1673.6	1780.4	2218.0	1991.7	1793.0
70°	935.5	919.1	1002.1	1339.1	1569.2	1390.7	1205.8	1188.2	1219.7	758.2	819.8
72.5°	627.4	608.6	607.3	736.8	948.1	936.7	934.2	925.4	826.1	598.5	663.9
75°	349.6	334.5	330.7	318.1	339.5	345.8	368.4	381.0	412.4	453.9	503.0
77.5°	59.1	57.8	72.9	93.0	128.3	164.7	203.7	215.0	265.3	314.3	345.8
80°	32.7	33.9	44.0	54.1	71.7	98.1	125.7	133.3	163.5	189.9	215.0
82.5°	17.6	17.6	22.6	28.9	39.0	51.6	67.9	74.2	94.3	110.6	128.3
85°	6.3	6.3	8.8	11.3	16.3	21.4	26.4	30.2	41.5	56.6	64.1
87.5°	0.0	0.0	0.0	0.0	1.3	2.5	5.0	5.0	6.3	11.3	16.3
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°	4770.5	4770.5	4770.5	4770.5	4770.5	4770.5	4770.5	4770.5	4770.5	4770.5	4770.5
2.5°	4795.6	4761.7	4808.2	4829.6	4837.1	4842.2	4809.5	4786.8	4779.3	4755.4	4741.6
5°	4813.2	4790.6	4834.6	4834.6	4803.2	4770.5	4703.8	4657.3	4624.6	4585.7	4579.4
7.5°	4843.4	4827.1	4851.0	4801.9	4722.7	4634.7	4519.0	4428.5	4355.6	4307.8	4309.0
10°	4883.7	4863.5	4844.7	4735.3	4590.7	4428.5	4251.2	4119.2	3998.5	3943.1	3913.0
12.5°	4910.1	4881.1	4801.9	4620.9	4408.4	4190.8	3940.6	3744.5	3569.7	3490.5	3484.2
15°	4942.8	4889.9	4731.5	4472.5	4177.0	3880.3	3558.4	3285.5	3049.1	2925.9	2919.6
17.5°	4985.5	4898.7	4647.3	4302.7	3933.1	3495.5	3090.6	2747.4	2495.9	2400.3	2416.7
20°	5045.9	4908.8	4551.7	4114.1	3630.0	3057.9	2553.7	2238.1	2141.3	2135.0	2122.5
22.5°	5113.8	4915.1	4446.1	3902.9	3262.9	2591.5	2109.9	1975.3	1974.1	2005.5	2013.1
25°	5190.5	4920.1	4326.6	3656.5	2865.6	2126.2	1865.9	1825.7	1857.1	1916.2	1923.8
27.5°	5288.5	4930.2	4182.0	3386.1	2443.1	1837.0	1731.4	1721.3	1759.1	1814.4	1811.9
30°	5433.1	4966.6	4028.6	3075.5	2009.3	1700.0	1649.7	1650.9	1666.0	1692.4	1696.2
32.5°	5580.2	5023.2	3879.0	2726.0	1760.3	1622.0	1599.4	1596.9	1596.9	1608.2	1610.7
35°	5719.8	5087.3	3716.8	2361.4	1639.6	1576.8	1561.7	1554.1	1550.3	1547.8	1544.1
37.5°	5797.8	5118.8	3558.4	2001.7	1575.5	1546.6	1531.5	1521.4	1507.6	1497.5	1495.0
40°	5763.8	5082.3	3374.8	1732.7	1536.5	1517.7	1500.1	1486.2	1467.4	1458.6	1453.5
42.5°	5650.7	4969.2	3174.9	1605.7	1505.1	1486.2	1464.8	1442.2	1429.6	1422.1	1420.8
45°	5531.2	4832.1	2933.5	1531.5	1474.9	1452.3	1427.1	1402.0	1388.1	1384.4	1383.1
47.5°	5527.4	4764.2	2677.0	1472.4	1438.4	1415.8	1384.4	1359.2	1344.1	1339.1	1334.1
50°	5693.4	4833.4	2387.8	1420.8	1400.7	1376.8	1341.6	1314.0	1295.1	1288.8	1287.6
52.5°	6037.9	5093.6	2128.7	1369.3	1350.4	1322.8	1293.8	1266.2	1243.5	1232.2	1231.0
55°	6410.1	5424.3	1967.8	1316.5	1291.3	1267.4	1241.0	1210.9	1185.7	1168.1	1165.6
57.5°	6794.9	5785.2	1918.8	1249.8	1231.0	1214.6	1183.2	1150.5	1121.6	1105.2	1101.5
60°	7111.7	6095.8	2010.5	1179.4	1169.4	1148.0	1119.1	1087.6	1067.5	1054.9	1052.4
62.5°	5953.7	4962.9	1623.3	1102.7	1102.7	1080.1	1047.4	1024.8	1010.9	1002.1	999.6
65°	3778.4	3073.0	1107.7	1026.0	1024.8	994.6	966.9	951.8	945.5	931.7	929.2
67.5°	1645.9	1404.5	946.8	948.1	943.0	910.3	882.7	871.4	858.8	843.7	842.4
70°	853.8	870.1	847.5	861.3	852.5	813.5	787.1	769.5	743.1	728.0	729.3
72.5°	689.0	706.6	731.8	753.2	734.3	702.9	661.4	640.0	606.1	589.7	591.0
75°	525.6	544.4	568.3	591.0	575.9	536.9	510.5	489.1	450.1	431.3	435.1
77.5°	362.1	372.2	401.1	399.8	394.8	383.5	344.5	319.4	279.1	256.5	259.0
80°	225.1	231.4	245.2	251.5	249.0	233.9	202.4	183.6	159.7	145.9	147.1
82.5°	135.8	139.6	152.1	153.4	152.1	140.8	116.9	103.1	88.0	80.5	80.5
85°	69.2	71.7	79.2	79.2	71.7	60.4	54.1	47.8	39.0	35.2	35.2
87.5°	18.9	18.9	23.9	20.1	16.3	15.1	7.5	6.3	2.5	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)