

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: P642734

Luminaire Tested: GWS-SA6D-740-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642734
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-740-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35846.1 lumens
Efficiency: N/A
Efficacy: 145.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 245.7
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

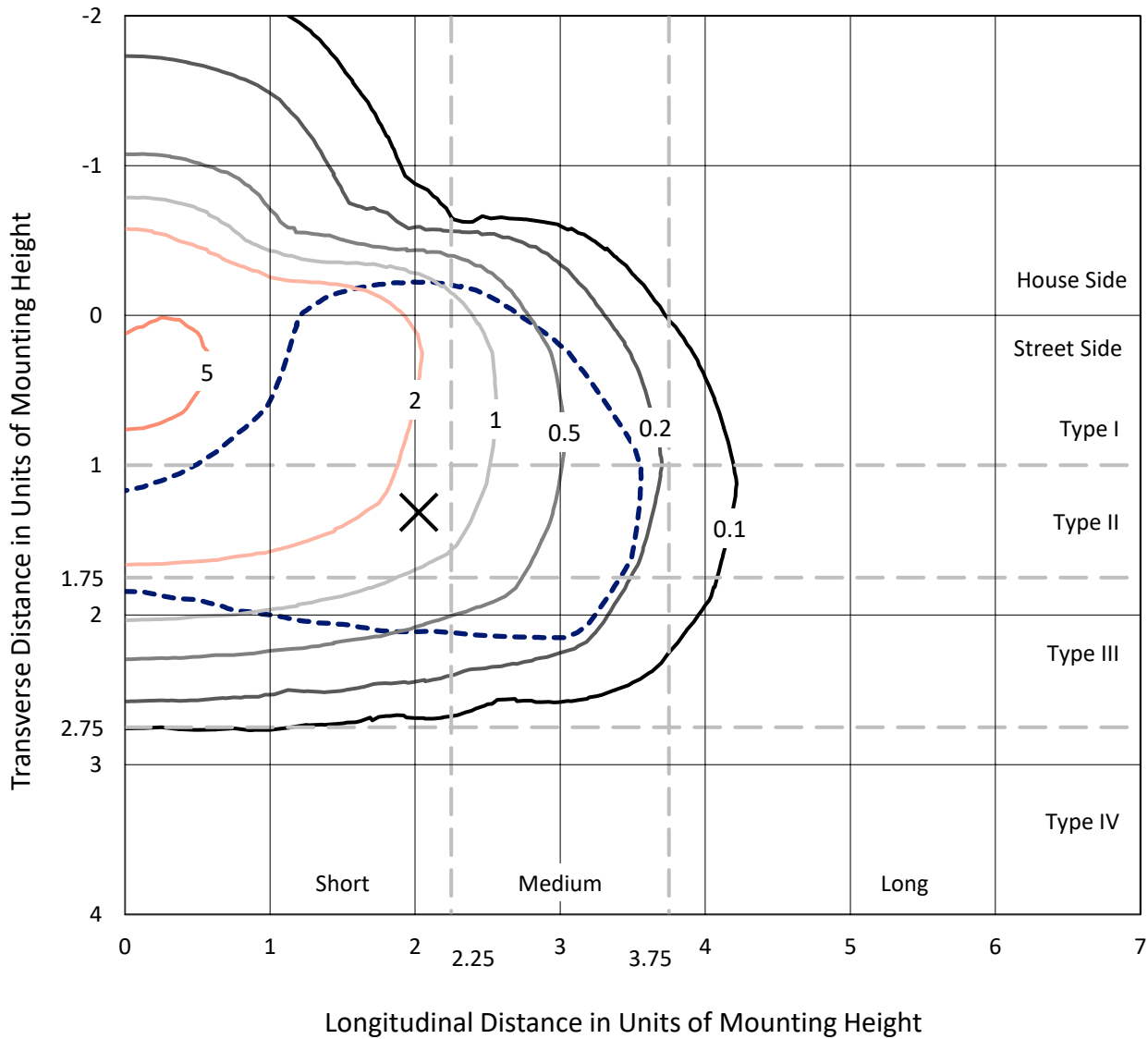


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Iso-Footcandle Lines of Horizontal Illumination

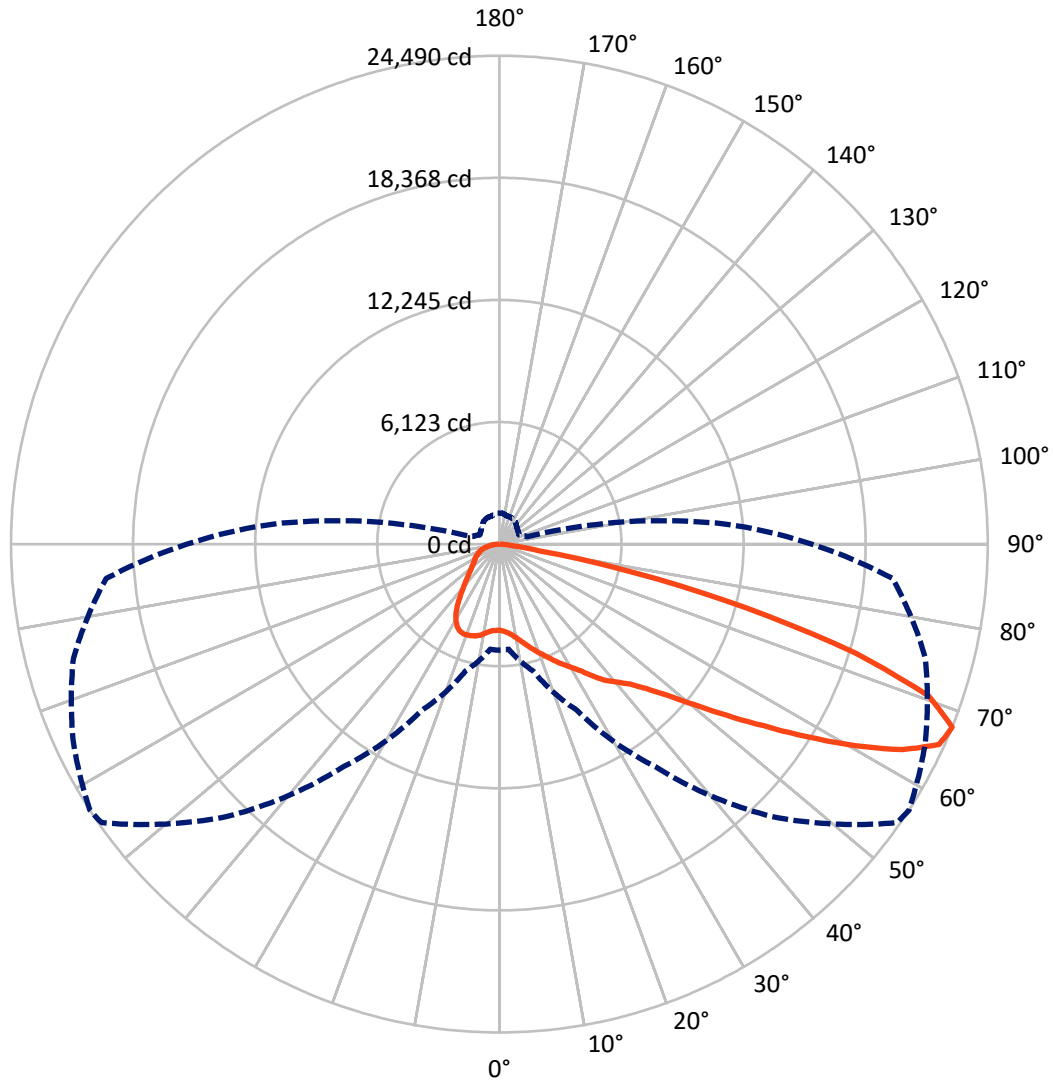
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7881.2	0.0	7881.2
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	27964.9	0.0	27964.9
	% Fixture	78.0	0.0	78.0
Total	Lumens	35846.1	0.0	35846.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.4	1.2
10°-20°	1418.1	4.0
20°-30°	2528.3	7.1
30°-40°	3675.8	10.3
40°-50°	5320.1	14.8
50°-60°	8325.8	23.2
60°-70°	9712.6	27.1
70°-80°	4054.4	11.3
80°-90°	382.6	1.1
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°	35846.1	100.0
0°-180°	35846.1	100.0

Coefficient of Utilization



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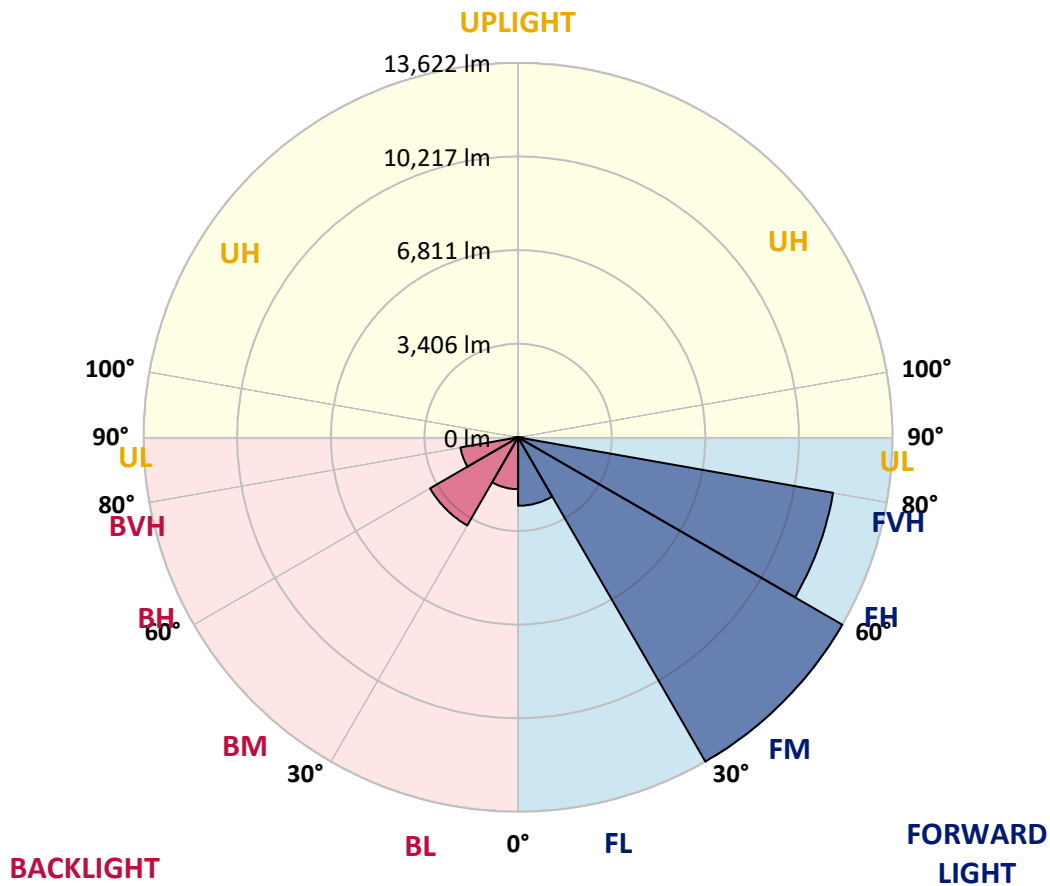
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2489.9	6.9			
FM (30°-60°)	13622.0	38.0			
FH (60°-80°)	11639.8	32.5			G4/12000
FVH (80°-90°)	213.2	0.6			G2/225
BL (0°-30°)	1884.9	5.3	B3/2500		
BM (30°-60°)	3699.7	10.3	B3/5000		
BH (60°-80°)	2127.2	5.9	B3/2500		G3/2500
BVH (80°-90°)	169.5	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	4319.2	4319.2	4319.2	4319.2	4319.2	4319.2	4319.2	4319.2	4319.2	4319.2	4319.2
2.5°	4380.8	4375.7	4373.1	4388.5	4383.4	4380.8	4380.8	4378.3	4373.1	4352.6	4324.3
5°	4501.5	4491.3	4481.0	4493.8	4483.6	4473.3	4470.7	4465.6	4447.6	4416.8	4373.1
7.5°	4627.4	4617.1	4619.7	4627.4	4619.7	4614.5	4606.8	4601.7	4573.4	4524.6	4465.6
10°	4804.5	4804.5	4809.7	4817.4	4820.0	4812.2	4796.8	4789.1	4755.8	4694.1	4612.0
12.5°	5061.3	5056.2	5056.2	5051.1	5058.8	5051.1	5035.7	5022.8	4981.7	4902.1	4784.0
15°	5400.3	5379.8	5361.8	5328.4	5318.1	5289.9	5295.0	5287.3	5248.8	5140.9	4992.0
17.5°	5762.4	5759.8	5731.6	5664.8	5598.0	5551.8	5562.1	5559.5	5539.0	5392.6	5202.6
20°	6080.8	6093.6	6068.0	6016.6	5926.7	5839.4	5834.3	5847.1	5821.4	5675.1	5410.6
22.5°	6437.7	6427.5	6401.8	6335.0	6268.2	6175.8	6145.0	6134.7	6124.4	5957.5	5623.7
25°	6776.7	6807.5	6774.1	6712.5	6609.8	6509.6	6484.0	6494.2	6466.0	6245.1	5852.2
27.5°	7205.5	7218.4	7197.8	7113.1	7025.8	6884.5	6835.8	6835.8	6825.5	6514.8	6032.0
30°	7662.6	7698.6	7662.6	7593.3	7503.4	7300.5	7195.3	7185.0	7154.2	6792.1	6242.6
32.5°	8122.3	8148.0	8122.3	8055.5	7952.8	7775.6	7624.1	7601.0	7559.9	7095.1	6458.3
35°	8530.6	8553.7	8548.5	8564.0	8479.2	8255.8	8163.4	8153.1	8045.2	7490.6	6751.0
37.5°	8977.4	9005.6	8967.1	8997.9	8964.5	8754.0	8725.7	8674.4	8520.3	7862.9	7059.2
40°	9485.8	9511.5	9449.9	9462.7	9424.2	9306.1	9162.3	9092.9	8864.4	8266.1	7544.5
42.5°	10030.2	10089.3	10117.5	10094.4	10004.5	9937.8	9686.1	9598.8	9408.8	8992.8	8343.1
45°	10818.6	10905.9	10947.0	10887.9	10849.4	10754.4	10446.2	10340.9	10240.8	10017.4	9457.6
47.5°	11668.5	11748.2	11879.1	11904.8	11935.6	11863.7	11429.7	11327.0	11345.0	11319.3	10828.8
50°	12346.5	12413.2	12708.5	13024.4	13286.3	13306.9	12752.2	12641.8	12739.4	12821.5	12480.0
52.5°	12839.5	12898.6	13288.9	13941.1	14534.3	14973.4	14375.1	14249.3	14328.9	14513.8	14357.1
55°	13240.1	13322.3	13730.6	14732.1	15931.3	16624.6	16242.0	16082.8	16049.4	16277.9	16367.8
57.5°	13450.7	13476.3	14049.0	15350.9	16955.9	18244.9	18411.9	18232.1	17913.7	18039.5	18506.9
60°	12970.5	13014.1	13797.3	15510.1	17764.7	19852.4	20689.6	20540.6	19862.7	19932.1	20448.2
62.5°	11642.9	11704.5	12646.9	14752.6	17831.5	20925.8	22792.7	22697.7	21788.6	21413.7	21567.8
65°	9339.5	9360.0	10335.8	12878.0	16503.9	21059.4	24259.0	24235.9	23134.2	22256.0	21596.1
67.5°	5325.8	5289.9	6594.4	9185.4	13620.2	19323.5	24354.0	24490.1	23570.8	22117.3	19798.5
70°	2308.5	2313.7	2914.6	4532.3	8815.6	15618.0	22620.6	22854.3	22307.4	19808.8	15751.5
72.5°	1068.2	1083.7	1343.0	1961.9	3764.5	9688.7	18445.2	18655.8	18185.9	15854.2	11460.5
75°	755.0	767.8	896.2	1124.7	1730.8	3774.8	12338.8	12780.4	13009.0	11858.6	7552.2
77.5°	572.6	590.6	654.8	780.6	1068.2	1337.9	5903.6	6956.4	8286.6	7377.6	3890.4
80°	364.6	364.6	434.0	521.3	652.2	695.9	1705.1	2020.9	4054.7	3040.4	1527.9
82.5°	246.5	254.2	295.3	331.3	374.9	395.5	731.9	780.6	1171.0	1034.9	629.1
85°	131.0	136.1	154.1	151.5	179.8	156.6	308.1	305.6	428.8	469.9	238.8
87.5°	0.0	0.0	2.6	2.6	5.1	7.7	33.4	36.0	89.9	143.8	79.6
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°	4319.2	4319.2	4319.2	4319.2	4319.2	4319.2	4319.2	4319.2	4319.2	4319.2	4319.2
2.5°	4339.8	4308.9	4324.3	4319.2	4334.6	4334.6	4306.4	4298.7	4301.2	4270.4	4260.1
5°	4378.3	4342.3	4350.0	4339.8	4355.2	4368.0	4355.2	4355.2	4370.6	4347.5	4334.6
7.5°	4465.6	4424.5	4424.5	4411.7	4429.6	4439.9	4429.6	4445.0	4473.3	4450.2	4437.3
10°	4604.2	4555.5	4558.0	4542.6	4550.3	4545.2	4504.1	4491.3	4499.0	4478.4	4468.1
12.5°	4784.0	4717.2	4717.2	4686.4	4668.4	4614.5	4529.8	4499.0	4504.1	4486.1	4478.4
15°	4956.1	4894.4	4881.6	4820.0	4737.8	4637.6	4560.6	4540.1	4545.2	4527.2	4514.4
17.5°	5158.9	5079.3	5033.1	4920.1	4768.6	4665.9	4588.8	4540.1	4499.0	4457.9	4447.6
20°	5346.4	5246.2	5161.5	4986.9	4802.0	4660.7	4516.9	4396.2	4296.1	4242.2	4229.3
22.5°	5539.0	5410.6	5261.6	5033.1	4799.4	4568.3	4303.8	4121.5	3972.5	3892.9	3908.3
25°	5721.3	5559.5	5356.6	5076.7	4717.2	4362.9	4003.4	3731.2	3561.7	3500.1	3482.1
27.5°	5872.8	5672.5	5444.0	5056.2	4547.8	4067.6	3592.5	3289.5	3125.1	3055.8	3037.8
30°	6042.3	5816.3	5569.8	4961.2	4280.7	3654.1	3127.7	2881.2	2763.1	2696.3	2698.9
32.5°	6237.4	6001.2	5747.0	4778.9	3939.2	3207.3	2745.1	2575.6	2480.6	2413.8	2403.6
35°	6499.4	6265.7	5865.1	4504.1	3505.2	2796.4	2483.2	2344.5	2226.4	2139.1	2121.1
37.5°	6822.9	6663.7	5877.9	4136.9	3040.4	2514.0	2295.7	2146.8	2003.0	1887.4	1874.6
40°	7377.6	7195.3	5772.6	3677.2	2644.9	2331.7	2139.1	1967.0	1800.1	1671.7	1653.7
42.5°	8168.5	7793.6	5546.7	3158.5	2347.1	2187.9	1990.1	1771.9	1602.4	1512.5	1499.7
45°	9175.1	8461.2	5207.7	2670.6	2126.2	2046.6	1833.5	1604.9	1515.1	1450.9	1438.0
47.5°	10407.7	9239.3	4817.4	2290.6	1954.2	1918.2	1674.3	1548.4	1468.8	1414.9	1402.1
50°	11881.7	10230.5	4496.4	1992.7	1800.1	1769.3	1622.9	1515.1	1450.9	1407.2	1396.9
52.5°	13563.7	11332.2	4339.8	1779.6	1666.6	1635.8	1604.9	1507.4	1453.4	1420.0	1407.2
55°	15309.8	12492.8	4193.4	1615.2	1553.6	1571.6	1607.5	1533.0	1492.0	1448.3	1435.5
57.5°	16996.9	13581.6	3833.9	1486.8	1471.4	1540.7	1620.3	1558.7	1509.9	1466.3	1450.9
60°	18160.2	14177.4	3225.3	1384.1	1409.8	1502.2	1587.0	1520.2	1458.6	1440.6	1432.9
62.5°	18473.5	14105.5	2503.7	1278.8	1335.3	1417.5	1499.7	1456.0	1391.8	1420.0	1422.6
65°	17741.6	13335.1	1879.7	1176.1	1237.7	1307.1	1409.8	1391.8	1368.7	1445.7	1448.3
67.5°	15669.3	11442.6	1432.9	1086.2	1137.6	1222.3	1381.5	1456.0	1461.1	1558.7	1548.4
70°	11856.0	8548.5	1122.2	1001.5	1060.5	1222.3	1471.4	1504.8	1443.2	1533.0	1512.5
72.5°	8196.7	5641.7	955.3	927.0	965.5	1165.8	1468.8	1468.8	1402.1	1402.1	1363.6
75°	5092.1	3317.7	832.0	832.0	832.0	1019.5	1427.8	1353.3	1235.2	1181.2	1150.4
77.5°	2514.0	1612.6	698.5	724.1	695.9	852.5	1165.8	1106.8	1034.9	978.4	957.8
80°	1073.4	806.3	564.9	593.2	559.8	642.0	924.4	911.6	842.3	767.8	744.7
82.5°	493.0	416.0	452.0	464.8	408.3	482.8	675.4	675.4	636.8	534.1	495.6
85°	210.6	220.8	313.3	313.3	256.8	272.2	362.1	344.1	308.1	251.7	231.1
87.5°	71.9	107.9	159.2	138.7	53.9	23.1	12.8	5.1	0.0	0.0	0.0
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)