

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: P636407

Luminaire Tested: GWS-SA3F-760-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-760-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21054.4 lumens
Efficiency: N/A
Efficacy: 114.9 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

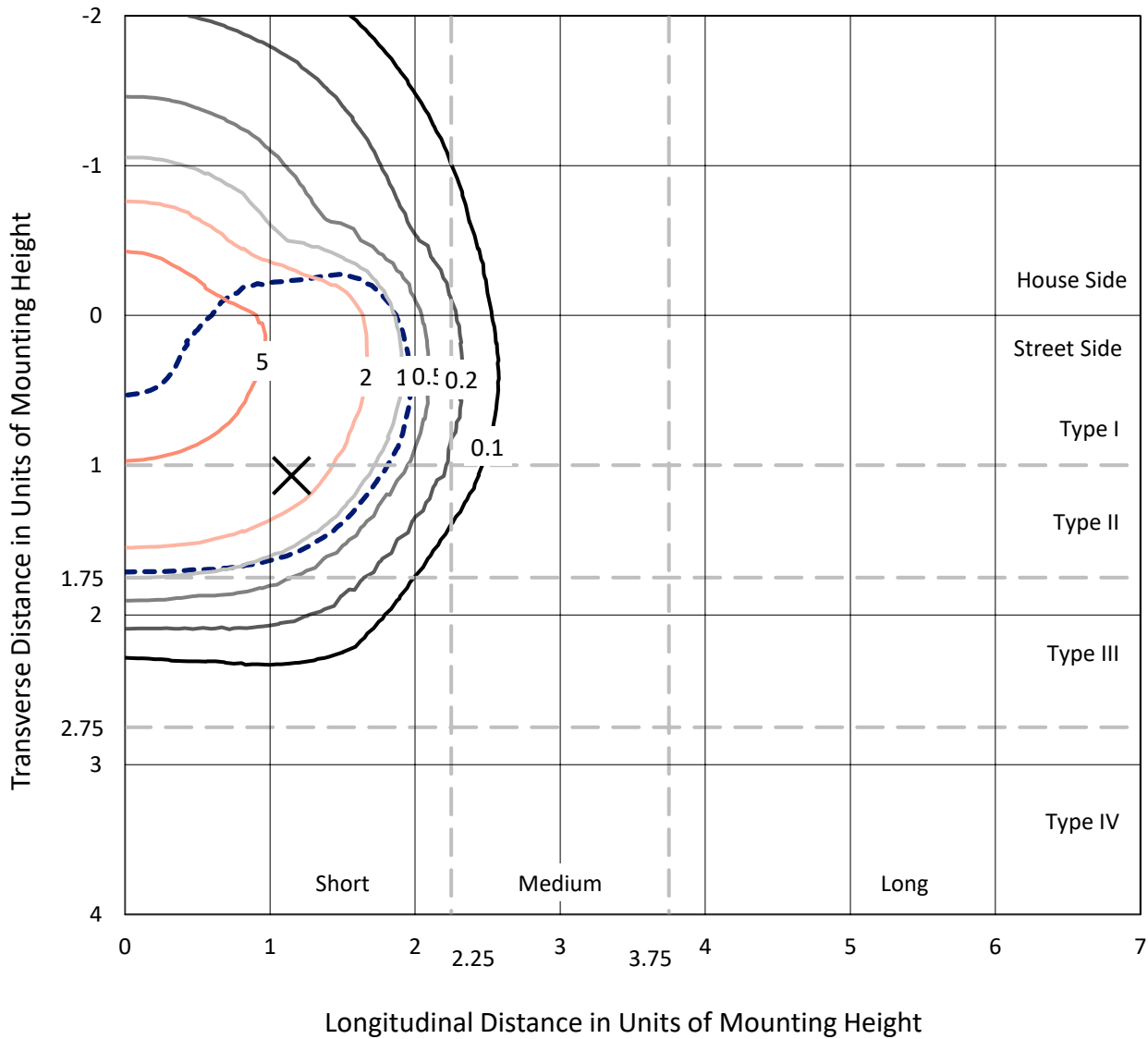
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

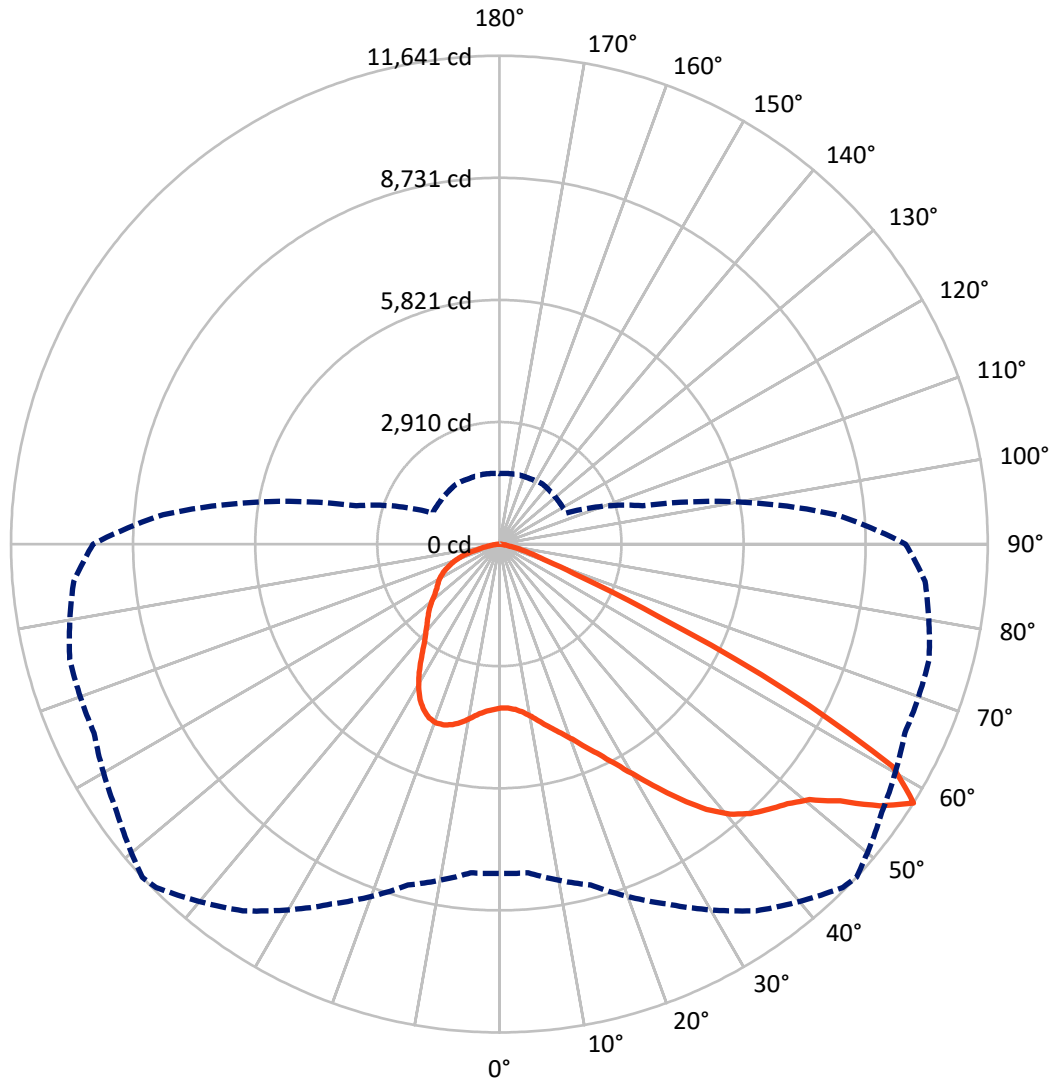
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6663.7	0.0	6663.7
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	14390.7	0.0	14390.7
	% Fixture	68.4	0.0	68.4
Total	Lumens	21054.4	0.0	21054.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.1	1.8
10°-20°	1266.7	6.0
20°-30°	2280.8	10.8
30°-40°	3444.8	16.4
40°-50°	4638.9	22.0
50°-60°	5574.2	26.5
60°-70°	2714.8	12.9
70°-80°	668.8	3.2
80°-90°	80.4	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°	21054.4	100.0
0°-180°	21054.4	100.0

Coefficient of Utilization



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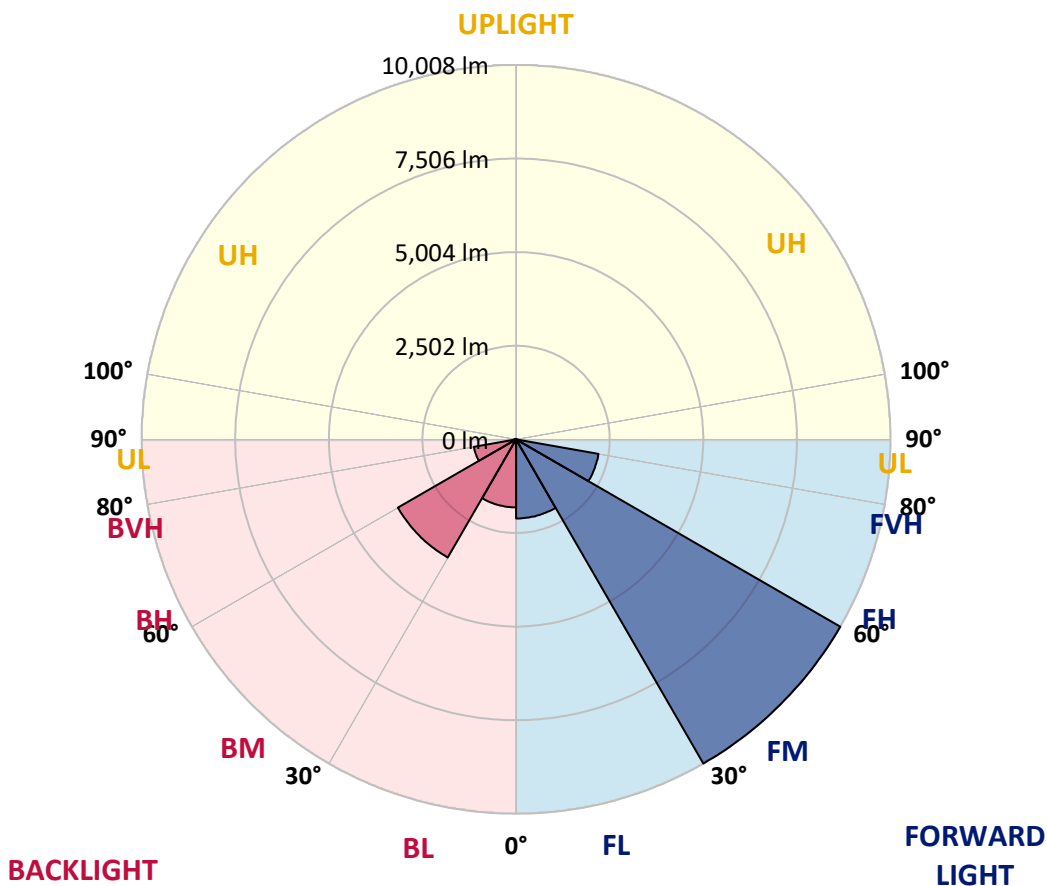
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2114.8	10.0			
FM (30°-60°)	10008.3	47.5			
FH (60°-80°)	2237.4	10.6			G2/5000
FVH (80°-90°)	30.2	0.1			G1/100
BL (0°-30°)	1817.7	8.6	B3/2500		
BM (30°-60°)	3649.7	17.3	B3/5000		
BH (60°-80°)	1146.1	5.4	B3/2500		G3/2500
BVH (80°-90°)	50.2	0.2			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°	47°	55°	65°	75°	85°
0°	3904.6	3904.6	3904.6	3904.6	3904.6	3904.6	3904.6	3904.6	3904.6	3904.6	3904.6
2.5°	3897.5	3895.7	3895.7	3906.3	3906.3	3909.9	3915.2	3920.5	3922.3	3913.4	3894.0
5°	3939.9	3939.9	3939.9	3948.8	3948.8	3952.3	3959.4	3961.2	3959.4	3945.2	3925.8
7.5°	4007.1	4007.1	4008.9	4019.5	4028.4	4033.7	4046.0	4044.3	4039.0	4016.0	3991.2
10°	4116.8	4122.1	4127.4	4139.8	4157.4	4169.8	4178.7	4178.7	4171.6	4136.2	4104.4
12.5°	4272.4	4279.5	4284.8	4295.4	4309.5	4330.7	4350.2	4350.2	4341.4	4297.1	4249.4
15°	4454.5	4461.6	4459.8	4463.4	4489.9	4520.0	4535.9	4546.5	4550.0	4488.1	4413.9
17.5°	4663.2	4670.3	4663.2	4652.6	4656.1	4703.9	4732.2	4771.1	4794.1	4710.9	4592.5
20°	4852.4	4845.3	4845.3	4852.4	4863.0	4921.4	4963.8	5027.5	5055.8	4955.0	4771.1
22.5°	5052.2	5068.2	5061.1	5061.1	5103.5	5200.8	5252.1	5335.2	5365.2	5234.4	4986.8
25°	5310.4	5324.6	5321.0	5324.6	5374.1	5512.0	5563.3	5717.2	5747.2	5559.8	5225.5
27.5°	5593.4	5616.4	5627.0	5623.4	5703.0	5883.4	5947.0	6161.0	6215.8	5924.1	5480.2
30°	5961.2	5985.9	5994.8	5991.2	6085.0	6330.8	6403.3	6647.3	6725.1	6355.5	5803.8
32.5°	6387.4	6412.1	6438.6	6449.3	6569.5	6820.6	6925.0	7177.8	7289.2	6854.2	6194.6
35°	6810.0	6831.2	6882.5	6965.6	7130.1	7386.5	7478.5	7727.8	7835.7	7372.3	6666.8
37.5°	7276.9	7291.0	7335.2	7450.2	7687.1	7931.2	8023.1	8261.8	8274.2	7872.8	7200.8
40°	7787.9	7787.9	7779.1	7892.3	8139.8	8385.6	8465.2	8603.1	8530.6	8258.3	7720.7
42.5°	8221.2	8214.1	8221.2	8327.3	8511.2	8711.0	8780.0	8753.4	8661.5	8553.6	8191.1
45°	8612.0	8617.3	8680.9	8762.3	8857.8	8976.3	9016.9	8866.6	8783.5	8790.6	8567.8
47.5°	8877.2	8882.5	9031.1	9167.2	9225.6	9262.7	9245.1	9036.4	8993.9	9073.5	8857.8
50°	8912.6	8940.9	9197.3	9476.7	9621.7	9627.0	9577.5	9322.9	9310.5	9400.7	9013.4
52.5°	8919.7	8948.0	9268.0	9772.0	10148.7	10228.3	10171.7	9906.4	9777.3	9687.2	9204.4
55°	8893.2	8925.0	9278.7	9970.1	10691.6	11009.9	11015.2	10640.3	10228.3	10168.1	9749.0
57.5°	7851.6	7864.0	8412.2	9466.1	10670.4	11572.2	11641.2	11131.9	10661.5	10604.9	10185.8
60°	5469.6	5519.1	6115.0	7506.7	8963.9	10553.7	10776.5	10627.9	10313.2	9901.1	8739.3
62.5°	2739.2	2781.7	3379.4	4695.0	6182.2	7437.8	7676.5	7833.9	7908.2	7466.1	5950.6
65°	1179.5	1211.3	1582.7	2452.7	3499.6	4106.2	4189.3	4378.5	4841.8	4320.1	3206.1
67.5°	788.7	809.9	999.1	1496.0	2061.9	2100.8	2088.4	2129.1	2229.9	1840.9	1448.3
70°	604.8	622.5	749.8	1096.4	1481.9	1267.9	1200.7	1089.3	1183.0	1206.0	1174.2
72.5°	438.6	452.7	548.2	748.0	928.4	809.9	799.3	855.9	983.2	1018.6	999.1
75°	282.9	290.0	348.4	410.3	479.2	519.9	541.1	643.7	772.8	799.3	776.3
77.5°	189.2	194.5	228.1	263.5	272.3	274.1	281.2	327.1	415.6	465.1	459.8
80°	99.0	99.0	111.4	111.4	127.3	152.1	159.2	189.2	229.9	254.6	256.4
82.5°	38.9	40.7	47.7	53.1	63.7	77.8	83.1	99.0	120.2	137.9	153.8
85°	15.9	17.7	19.5	23.0	28.3	35.4	37.1	42.4	56.6	70.7	79.6
87.5°	0.0	0.0	1.8	1.8	3.5	5.3	5.3	7.1	8.8	15.9	21.2
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°	3904.6	3904.6	3904.6	3904.6	3904.6	3904.6	3904.6	3904.6	3904.6	3904.6	3904.6
2.5°	3916.9	3894.0	3916.9	3924.0	3943.5	3950.5	3938.2	3936.4	3936.4	3918.7	3913.4
5°	3943.5	3922.3	3945.2	3955.9	3984.1	4001.8	4005.4	4019.5	4028.4	4021.3	4019.5
7.5°	4008.9	3982.4	4007.1	4023.0	4060.2	4088.5	4100.9	4132.7	4155.7	4152.1	4150.4
10°	4123.8	4088.5	4116.8	4143.3	4184.0	4217.6	4219.3	4237.0	4260.0	4252.9	4249.4
12.5°	4256.5	4222.9	4254.7	4281.2	4329.0	4343.1	4320.1	4313.1	4316.6	4307.8	4300.7
15°	4419.2	4371.4	4399.7	4429.8	4456.3	4440.4	4390.9	4371.4	4369.7	4357.3	4350.2
17.5°	4581.9	4521.7	4543.0	4558.9	4546.5	4497.0	4435.1	4401.5	4385.6	4360.8	4353.7
20°	4742.8	4666.7	4663.2	4650.8	4594.2	4504.0	4420.9	4353.7	4313.1	4279.5	4267.1
22.5°	4926.7	4820.6	4767.5	4710.9	4587.2	4440.4	4314.8	4219.3	4153.9	4111.5	4097.3
25°	5124.7	4974.4	4864.8	4751.6	4516.4	4304.2	4129.2	3998.3	3920.5	3874.5	3858.6
27.5°	5321.0	5114.1	4949.7	4756.9	4375.0	4107.9	3872.7	3695.9	3618.1	3581.0	3568.6
30°	5586.3	5299.8	5050.5	4688.0	4189.3	3835.6	3542.1	3363.4	3312.2	3285.6	3275.0
32.5°	5892.2	5535.0	5184.9	4543.0	3952.3	3517.3	3207.8	3084.0	3048.7	2997.4	2995.6
35°	6295.4	5871.0	5312.2	4329.0	3653.5	3176.0	2951.4	2863.0	2799.3	2718.0	2710.9
37.5°	6765.8	6290.1	5381.2	4056.6	3305.1	2894.8	2760.4	2661.4	2558.8	2451.0	2436.8
40°	7252.1	6779.9	5386.5	3734.8	2963.8	2709.1	2596.0	2466.9	2339.6	2219.3	2203.4
42.5°	7763.2	7236.2	5292.7	3363.4	2684.4	2548.2	2433.3	2270.6	2127.4	2046.0	2037.2
45°	8219.4	7604.0	5080.5	2972.6	2477.5	2413.8	2267.1	2092.0	2015.9	1957.6	1945.2
47.5°	8578.4	7848.0	4794.1	2622.5	2309.5	2275.9	2084.9	1994.7	1936.4	1883.3	1870.9
50°	8755.2	7902.9	4420.9	2337.8	2153.9	2113.2	1982.3	1913.4	1874.5	1832.0	1821.4
52.5°	8974.5	7964.8	4099.1	2099.1	2001.8	1947.0	1897.5	1842.6	1814.4	1787.8	1779.0
55°	9478.5	8198.2	3929.3	1908.1	1856.8	1832.0	1825.0	1779.0	1770.1	1752.5	1736.5
57.5°	9683.6	8047.9	3527.9	1752.5	1741.8	1745.4	1763.1	1720.6	1711.8	1690.6	1680.0
60°	7787.9	6083.2	2389.1	1618.1	1646.4	1669.3	1687.0	1644.6	1632.2	1628.7	1614.5
62.5°	4990.4	3741.9	1667.6	1492.5	1534.9	1563.2	1573.9	1533.2	1524.3	1552.6	1554.4
65°	2597.7	2038.9	1352.8	1358.1	1393.5	1435.9	1457.1	1443.0	1439.5	1469.5	1471.3
67.5°	1326.3	1246.7	1179.5	1199.0	1227.3	1282.1	1331.6	1393.5	1414.7	1418.2	1420.0
70°	1130.0	1094.6	1061.0	1073.4	1103.5	1133.5	1181.3	1211.3	1176.0	1167.1	1163.6
72.5°	962.0	935.5	919.6	933.7	949.6	944.3	930.2	944.3	949.6	951.4	953.2
75°	748.0	728.6	716.2	718.0	718.0	698.5	672.0	656.1	638.4	624.2	624.2
77.5°	458.0	461.5	473.9	472.2	470.4	463.3	436.8	422.6	380.2	367.8	367.8
80°	261.7	267.0	279.4	282.9	282.9	274.1	247.6	231.7	212.2	203.4	201.6
82.5°	159.2	166.2	173.3	176.8	178.6	168.0	145.0	132.6	122.0	113.2	113.2
85°	83.1	86.7	93.7	95.5	90.2	79.6	67.2	61.9	51.3	49.5	49.5
87.5°	23.0	24.8	28.3	23.0	21.2	15.9	8.8	7.1	3.5	1.8	1.8
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)