

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: P636352

Luminaire Tested: GWS-SA3F-750-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636352
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21347 lumens
Efficiency: N/A
Efficacy: 116.5 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

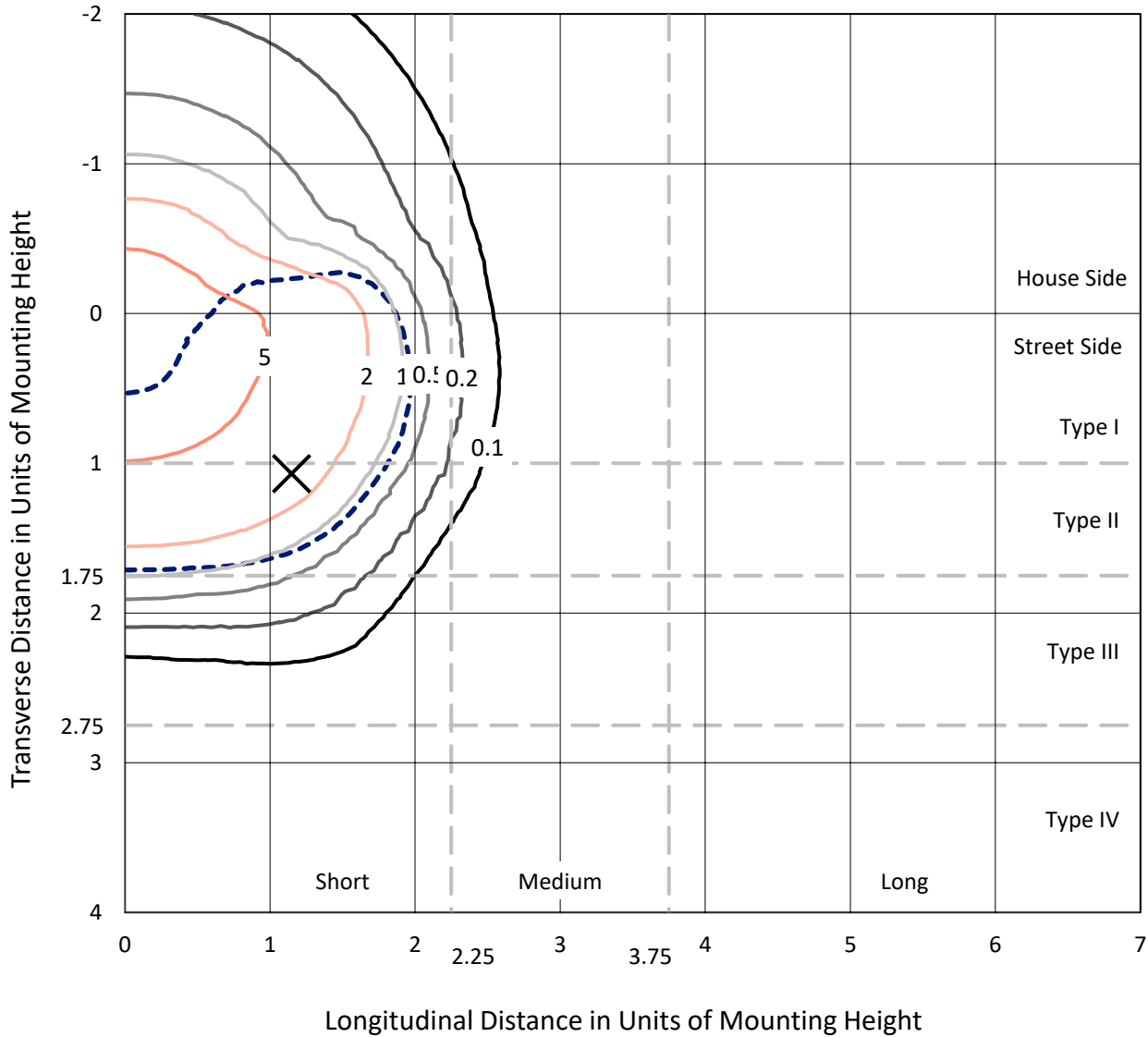
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

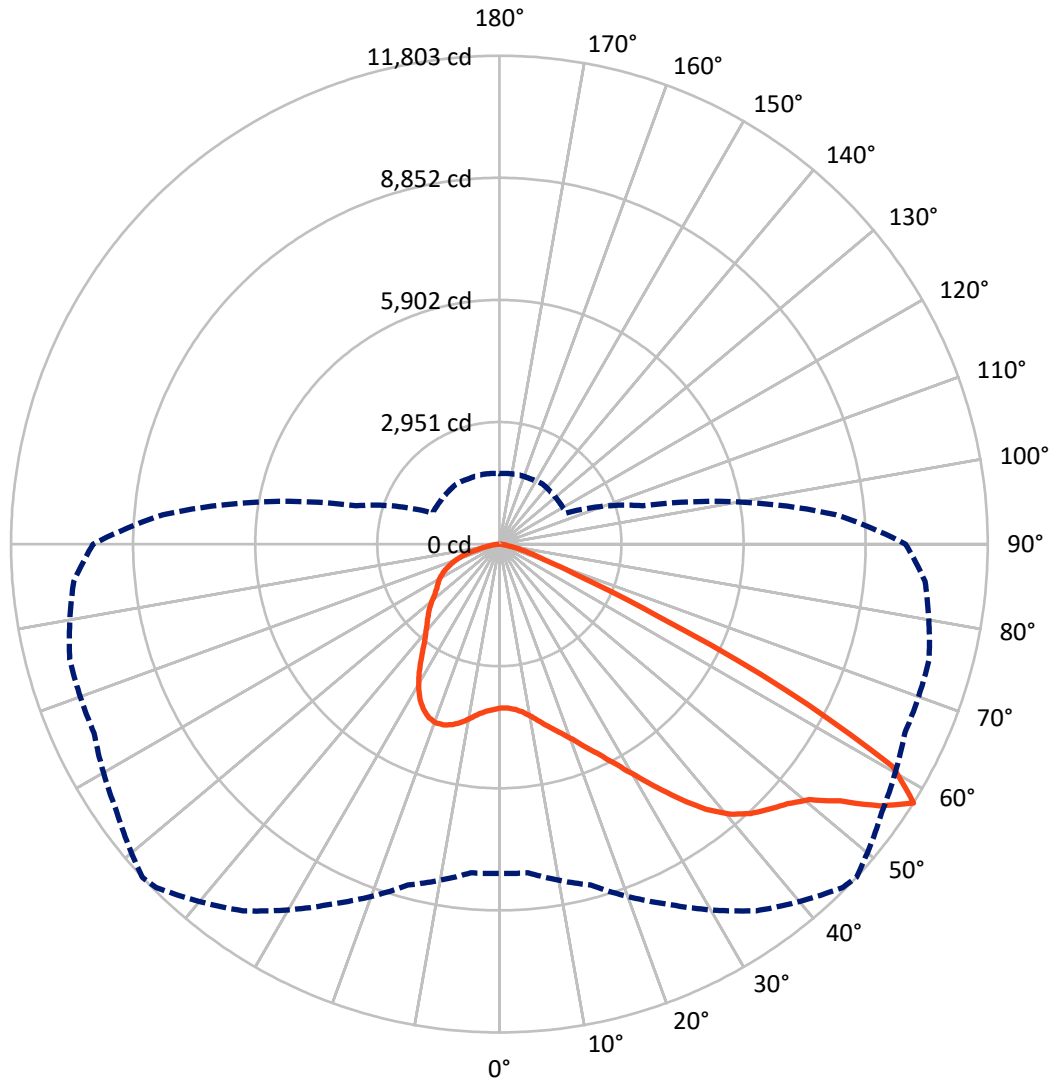
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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	6756.3	0.0	6756.3
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	14590.7	0.0	14590.7
	% Fixture	68.4	0.0	68.4
Total	Lumens	21347.0	0.0	21347.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.5	1.8
10°-20°	1284.3	6.0
20°-30°	2312.5	10.8
30°-40°	3492.7	16.4
40°-50°	4703.3	22.0
50°-60°	5651.7	26.5
60°-70°	2752.5	12.9
70°-80°	678.1	3.2
80°-90°	81.5	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°	21347.0	100.0
0°-180°	21347.0	100.0

Coefficient of Utilization



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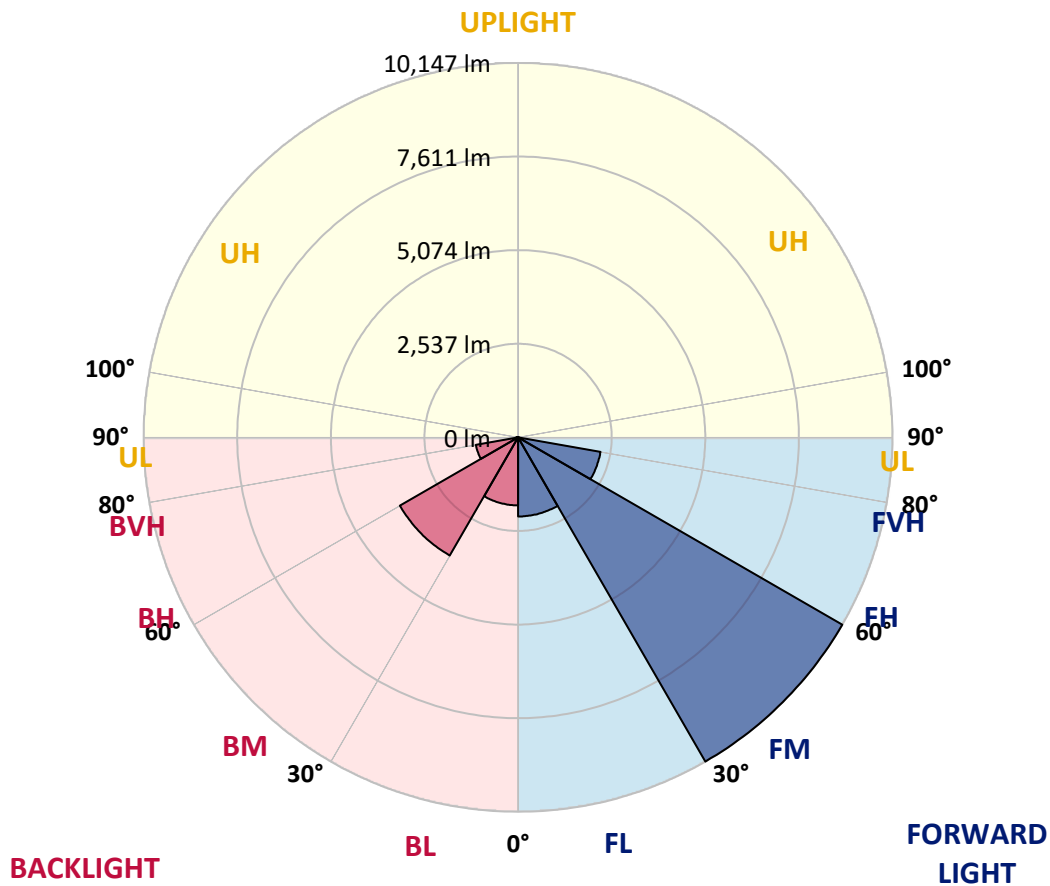
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2144.2	10.0			
FM (30°-60°)	10147.4	47.5			
FH (60°-80°)	2268.5	10.6			G2/5000
FVH (80°-90°)	30.6	0.1			G1/100
BL (0°-30°)	1843.0	8.6	B3/2500		
BM (30°-60°)	3700.4	17.3	B3/5000		
BH (60°-80°)	1162.0	5.4	B3/2500		G3/2500
BVH (80°-90°)	50.9	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°	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8
2.5°	3951.7	3949.9	3949.9	3960.6	3960.6	3964.2	3969.6	3975.0	3976.8	3967.8	3948.1
5°	3994.7	3994.7	3994.7	4003.7	4003.7	4007.2	4014.4	4016.2	4014.4	4000.1	3980.3
7.5°	4062.8	4062.8	4064.6	4075.4	4084.3	4089.7	4102.3	4100.5	4095.1	4071.8	4046.7
10°	4174.0	4179.4	4184.7	4197.3	4215.2	4227.8	4236.7	4236.7	4229.6	4193.7	4161.4
12.5°	4331.8	4338.9	4344.3	4355.1	4369.4	4390.9	4410.7	4410.7	4401.7	4356.9	4308.5
15°	4516.4	4523.6	4521.8	4525.4	4552.3	4582.8	4598.9	4609.7	4613.3	4550.5	4475.2
17.5°	4728.0	4735.2	4728.0	4717.2	4720.8	4769.2	4797.9	4837.4	4860.7	4776.4	4656.3
20°	4919.9	4912.7	4912.7	4919.9	4930.6	4989.8	5032.8	5097.4	5126.0	5023.8	4837.4
22.5°	5122.5	5138.6	5131.4	5131.4	5174.5	5273.1	5325.1	5409.3	5439.8	5307.1	5056.1
25°	5384.2	5398.6	5395.0	5398.6	5448.8	5588.6	5640.6	5796.6	5827.1	5637.0	5298.2
27.5°	5671.1	5694.4	5705.2	5701.6	5782.3	5965.1	6029.7	6246.6	6302.2	6006.4	5556.3
30°	6044.0	6069.1	6078.1	6074.5	6169.5	6418.8	6492.3	6739.7	6818.6	6443.9	5884.5
32.5°	6476.1	6501.2	6528.1	6538.9	6660.8	6915.4	7021.2	7277.6	7390.5	6949.5	6280.7
35°	6904.6	6926.2	6978.2	7062.4	7229.2	7489.1	7582.4	7835.2	7944.6	7474.8	6759.4
37.5°	7378.0	7392.3	7437.2	7553.7	7794.0	8041.4	8134.6	8376.7	8389.2	7982.2	7300.9
40°	7896.1	7896.1	7887.2	8001.9	8252.9	8502.2	8582.8	8722.7	8649.2	8373.1	7828.0
42.5°	8335.4	8328.2	8335.4	8443.0	8629.5	8832.1	8902.0	8875.1	8781.9	8672.5	8304.9
45°	8731.7	8737.0	8801.6	8884.1	8980.9	9101.0	9142.2	8989.8	8905.6	8912.8	8686.8
47.5°	9000.6	9006.0	9156.6	9294.6	9353.8	9391.5	9373.5	9162.0	9118.9	9199.6	8980.9
50°	9036.5	9065.2	9325.1	9608.4	9755.4	9760.8	9710.6	9452.4	9439.9	9531.3	9138.7
52.5°	9043.6	9072.3	9396.8	9907.8	10289.7	10370.4	10313.0	10044.1	9913.2	9821.8	9332.3
55°	9016.7	9049.0	9407.6	10108.6	10840.2	11162.9	11168.3	10788.2	10370.4	10309.5	9884.5
57.5°	7960.7	7973.2	8529.1	9597.7	10818.7	11733.1	11803.0	11286.6	10809.7	10752.3	10327.4
60°	5545.6	5595.8	6200.0	7611.1	9088.5	10700.3	10926.2	10775.6	10456.5	10038.7	8860.8
62.5°	2777.3	2820.3	3426.3	4760.3	6268.2	7541.1	7783.2	7942.8	8018.1	7569.8	6033.3
65°	1195.9	1228.2	1604.7	2486.8	3548.2	4163.2	4247.5	4439.3	4909.1	4380.2	3250.6
67.5°	799.7	821.2	1013.0	1516.8	2090.6	2130.0	2117.5	2158.7	2260.9	1866.5	1468.4
70°	613.2	631.1	760.2	1111.6	1502.5	1285.5	1217.4	1104.5	1199.5	1222.8	1190.5
72.5°	444.7	459.0	555.8	758.4	941.3	821.2	810.4	867.8	996.9	1032.7	1013.0
75°	286.9	294.0	353.2	416.0	485.9	527.1	548.6	652.6	783.5	810.4	787.1
77.5°	191.8	197.2	231.3	267.1	276.1	277.9	285.1	331.7	421.3	471.5	466.2
80°	100.4	100.4	113.0	113.0	129.1	154.2	161.4	191.8	233.1	258.2	260.0
82.5°	39.4	41.2	48.4	53.8	64.5	78.9	84.3	100.4	121.9	139.9	156.0
85°	16.1	17.9	19.7	23.3	28.7	35.9	37.7	43.0	57.4	71.7	80.7
87.5°	0.0	0.0	1.8	1.8	3.6	5.4	5.4	7.2	9.0	16.1	21.5
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°	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8
2.5°	3971.4	3948.1	3971.4	3978.6	3998.3	4005.4	3992.9	3991.1	3991.1	3973.2	3967.8
5°	3998.3	3976.8	4000.1	4010.8	4039.5	4057.4	4061.0	4075.4	4084.3	4077.2	4075.4
7.5°	4064.6	4037.7	4062.8	4079.0	4116.6	4145.3	4157.8	4190.1	4213.4	4209.8	4208.1
10°	4181.2	4145.3	4174.0	4200.9	4242.1	4276.2	4278.0	4295.9	4319.2	4312.0	4308.5
12.5°	4315.6	4281.6	4313.8	4340.7	4389.1	4403.5	4380.2	4373.0	4376.6	4367.6	4360.5
15°	4480.6	4432.2	4460.9	4491.3	4518.2	4502.1	4451.9	4432.2	4430.4	4417.8	4410.7
17.5°	4645.5	4584.6	4606.1	4622.2	4609.7	4559.5	4496.7	4462.7	4446.5	4421.4	4414.2
20°	4808.7	4731.6	4728.0	4715.5	4658.1	4566.6	4482.4	4414.2	4373.0	4338.9	4326.4
22.5°	4995.2	4887.6	4833.8	4776.4	4650.9	4502.1	4374.8	4278.0	4211.6	4168.6	4154.3
25°	5196.0	5043.6	4932.4	4817.7	4579.2	4364.0	4186.5	4053.9	3975.0	3928.4	3912.2
27.5°	5395.0	5185.2	5018.5	4823.0	4435.8	4165.0	3926.6	3747.3	3668.4	3630.7	3618.2
30°	5663.9	5373.5	5120.7	4753.1	4247.5	3888.9	3591.3	3410.2	3358.2	3331.3	3320.5
32.5°	5974.1	5611.9	5256.9	4606.1	4007.2	3566.2	3252.4	3126.9	3091.0	3039.0	3037.3
35°	6382.9	5952.6	5386.0	4389.1	3704.2	3220.1	2992.4	2902.8	2838.2	2755.8	2748.6
37.5°	6859.8	6377.5	5455.9	4113.0	3351.0	2935.1	2798.8	2698.4	2594.4	2485.0	2470.7
40°	7352.9	6874.2	5461.3	3786.7	3005.0	2746.8	2632.0	2501.2	2372.1	2250.2	2234.0
42.5°	7871.0	7336.7	5366.3	3410.2	2721.7	2583.6	2467.1	2302.1	2156.9	2074.4	2065.5
45°	8333.6	7709.7	5151.1	3013.9	2511.9	2447.4	2298.6	2121.1	2044.0	1984.8	1972.2
47.5°	8697.6	7957.1	4860.7	2658.9	2341.6	2307.5	2113.9	2022.4	1963.3	1909.5	1896.9
50°	8876.9	8012.7	4482.4	2370.3	2183.8	2142.6	2009.9	1940.0	1900.5	1857.5	1846.7
52.5°	9099.2	8075.4	4156.1	2128.2	2029.6	1974.0	1923.8	1868.3	1839.6	1812.7	1803.7
55°	9610.2	8312.1	3983.9	1934.6	1882.6	1857.5	1850.3	1803.7	1794.7	1776.8	1760.7
57.5°	9818.2	8159.7	3576.9	1776.8	1766.1	1769.6	1787.6	1744.5	1735.6	1714.1	1703.3
60°	7896.1	6167.7	2422.3	1640.5	1669.2	1692.5	1710.5	1667.4	1654.9	1651.3	1637.0
62.5°	5059.7	3793.9	1690.8	1513.2	1556.3	1585.0	1595.7	1554.5	1545.5	1574.2	1576.0
65°	2633.8	2067.3	1371.6	1377.0	1412.8	1455.9	1477.4	1463.0	1459.5	1489.9	1491.7
67.5°	1344.7	1264.0	1195.9	1215.6	1244.3	1299.9	1350.1	1412.8	1434.4	1437.9	1439.7
70°	1145.7	1109.8	1075.8	1088.3	1118.8	1149.3	1197.7	1228.2	1192.3	1183.3	1179.8
72.5°	975.4	948.5	932.3	946.7	962.8	957.4	943.1	957.4	962.8	964.6	966.4
75°	758.4	738.7	726.1	727.9	727.9	708.2	681.3	665.2	647.3	632.9	632.9
77.5°	464.4	468.0	480.5	478.7	476.9	469.8	442.9	428.5	385.5	372.9	372.9
80°	265.4	270.7	283.3	286.9	286.9	277.9	251.0	234.9	215.2	206.2	204.4
82.5°	161.4	168.5	175.7	179.3	181.1	170.3	147.0	134.5	123.7	114.7	114.7
85°	84.3	87.9	95.0	96.8	91.4	80.7	68.1	62.8	52.0	50.2	50.2
87.5°	23.3	25.1	28.7	23.3	21.5	16.1	9.0	7.2	3.6	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)