

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: P635751

Luminaire Tested: GWS-SA3E-735-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635751
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-735-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19016.5 lumens
Efficiency: N/A
Efficacy: 119.5 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

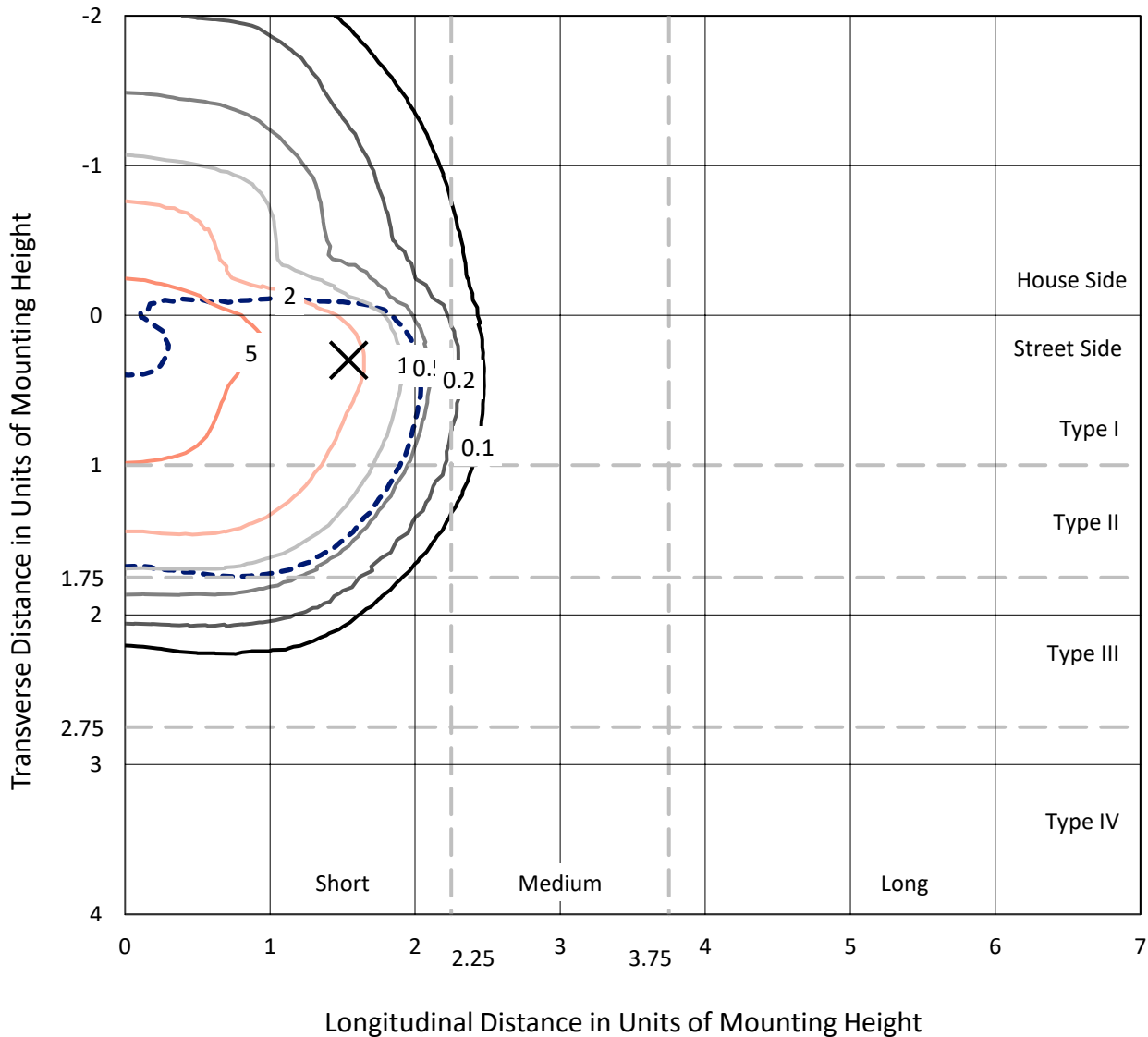
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635751
 CATALOG NUMBER: GWS-SA3E-735-U-T3R-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

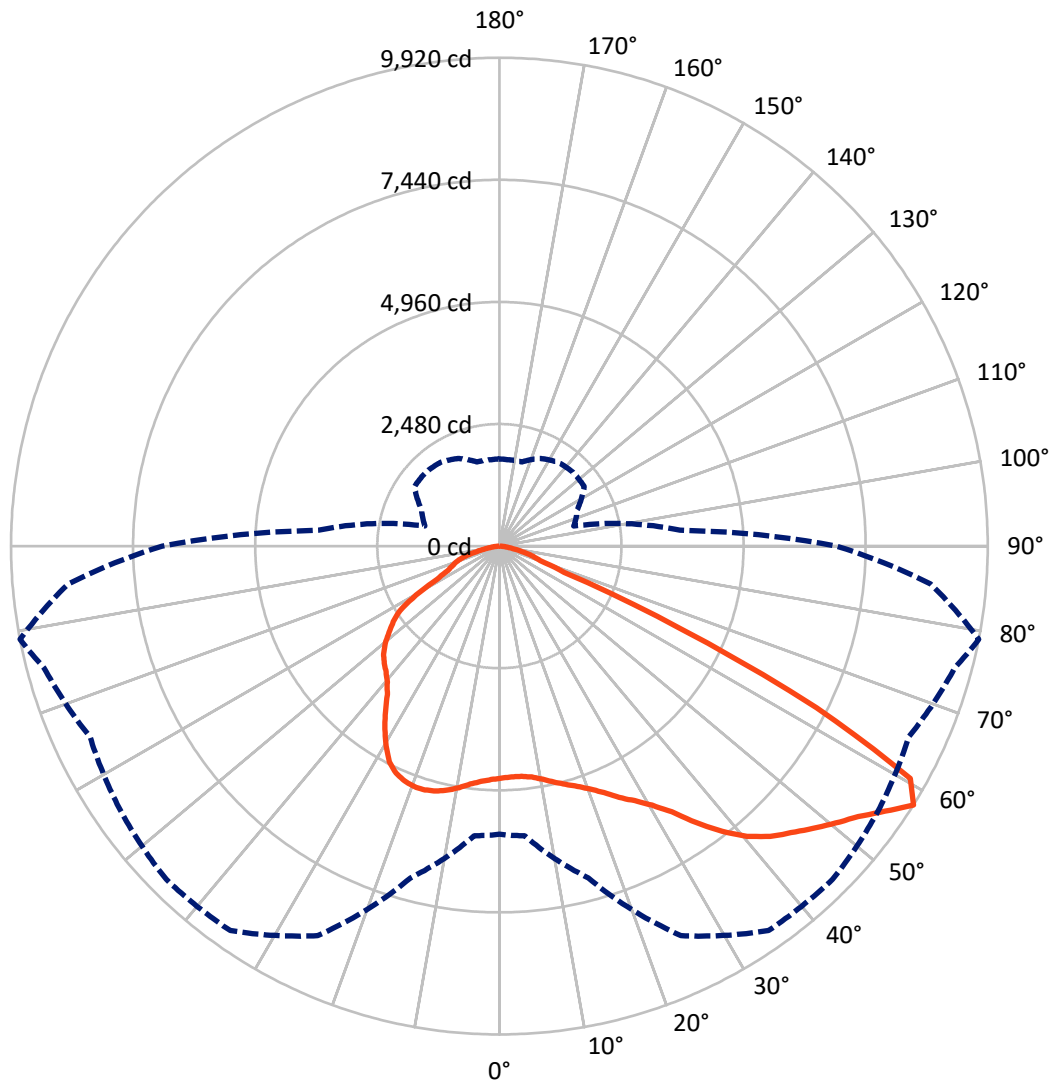
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type II - Short - N/A

REPORT NUMBER: P635751
CATALOG NUMBER: GWS-SA3E-735-U-T3R-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P635751

CATALOG NUMBER: GWS-SA3E-735-U-T3R-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5652.7	0.0	5652.7
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	13363.8	0.0	13363.8
	% Fixture	70.3	0.0	70.3
Total	Lumens	19016.5	0.0	19016.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	436.4	2.3
10°-20°	1212.9	6.4
20°-30°	2055.9	10.8
30°-40°	3146.8	16.5
40°-50°	4195.9	22.1
50°-60°	4845.9	25.5
60°-70°	2518.1	13.2
70°-80°	535.3	2.8
80°-90°	69.3	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°	19016.5	100.0
0°-180°	19016.5	100.0

Coefficient of Utilization



REPORT NUMBER: P635751

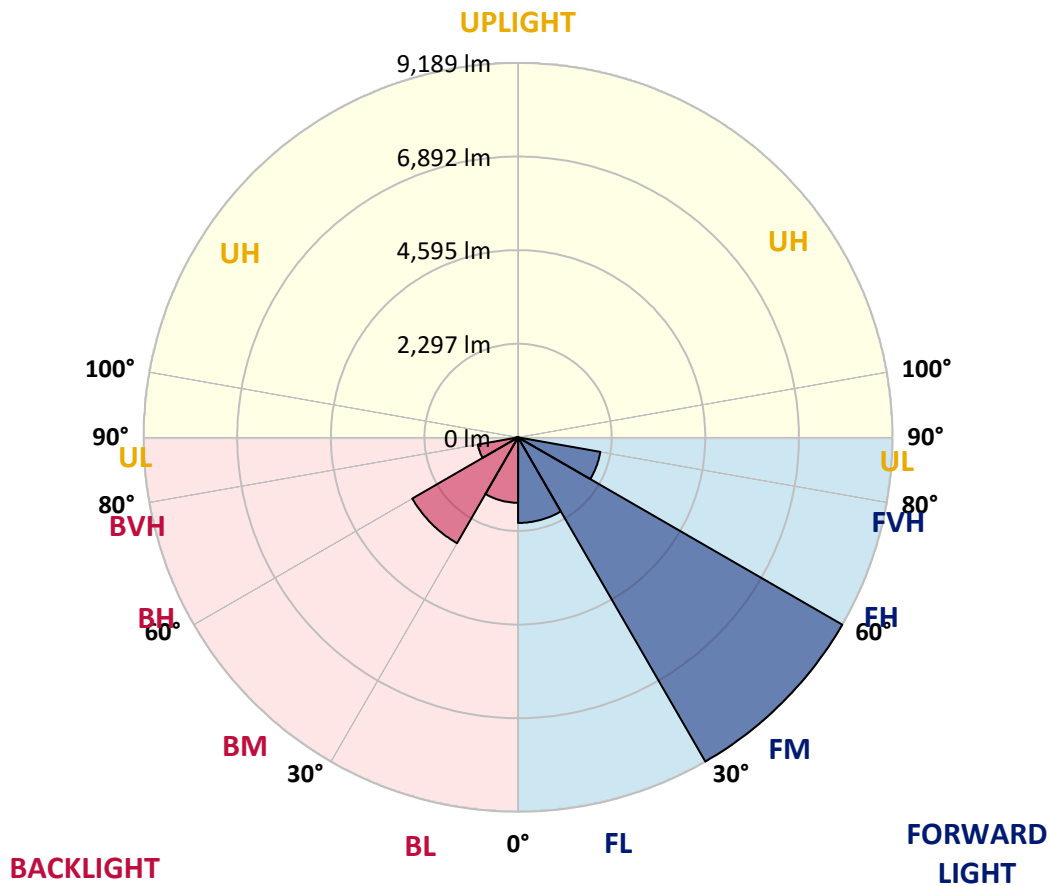
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2099.8	11.0			
FM (30°-60°)	9189.3	48.3			
FH (60°-80°)	2050.5	10.8			G2/5000
FVH (80°-90°)	24.2	0.1			G1/100
BL (0°-30°)	1605.3	8.4	B3/2500		
BM (30°-60°)	2999.3	15.8	B3/5000		
BH (60°-80°)	1003.0	5.3	B3/2500		G3/2500
BVH (80°-90°)	45.2	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





REPORT NUMBER: P635751

CATALOG NUMBER: GWS-SA3E-735-U-T3R-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	4712.7	4712.7	4712.7	4712.7	4712.7	4712.7	4712.7	4712.7	4712.7	4712.7	4712.7
2.5°	4498.2	4488.8	4491.9	4504.4	4551.0	4585.2	4621.0	4653.6	4684.7	4694.1	4701.8
5°	4338.0	4320.9	4325.6	4345.8	4400.2	4457.7	4521.5	4599.2	4673.9	4698.7	4731.4
7.5°	4224.5	4221.4	4229.2	4260.3	4317.8	4372.2	4454.6	4565.0	4694.1	4736.1	4793.6
10°	4073.7	4067.5	4098.6	4162.3	4257.2	4344.2	4442.2	4572.8	4753.2	4815.3	4904.0
12.5°	3954.0	3950.9	3983.5	4072.1	4193.4	4331.8	4467.1	4613.2	4832.5	4918.0	5026.8
15°	4023.9	4009.9	4011.5	4073.7	4182.5	4345.8	4529.3	4686.3	4911.7	5020.6	5160.5
17.5°	4227.6	4202.7	4184.1	4195.0	4257.2	4426.6	4624.1	4784.3	5003.5	5131.0	5302.0
20°	4509.0	4495.1	4443.7	4409.5	4423.5	4572.8	4773.4	4922.6	5123.2	5266.3	5449.7
22.5°	4886.9	4852.7	4782.7	4728.3	4686.3	4802.9	4987.9	5117.0	5289.6	5438.8	5630.1
25°	5354.9	5305.1	5194.7	5109.2	5019.0	5138.8	5303.6	5401.5	5518.1	5656.5	5838.4
27.5°	5832.2	5790.2	5667.4	5552.3	5440.4	5515.0	5710.9	5766.9	5754.5	5855.5	6011.0
30°	6340.6	6287.8	6171.2	6046.8	5902.2	5950.4	6126.1	6154.1	6021.9	6105.9	6211.6
32.5°	6877.1	6825.8	6724.7	6580.1	6416.8	6435.5	6483.7	6510.1	6384.2	6432.4	6513.2
35°	7422.8	7374.6	7272.0	7129.0	7009.2	6895.7	6774.4	6880.2	6807.1	6900.4	6894.2
37.5°	7921.9	7873.7	7810.0	7699.6	7494.3	7270.4	6990.6	7121.2	7234.7	7352.9	7332.6
40°	8259.3	8226.7	8242.2	8225.1	7960.8	7517.7	7096.3	7239.3	7548.8	7750.9	7740.0
42.5°	8550.1	8517.4	8607.6	8672.9	8361.9	7746.2	7147.6	7284.4	7749.3	8065.0	8049.4
45°	8679.1	8669.8	8819.1	9025.9	8728.9	7988.8	7279.8	7377.7	7901.7	8306.0	8246.9
47.5°	8525.2	8557.9	8851.7	9201.6	9033.6	8276.4	7550.3	7575.2	8100.7	8567.2	8400.8
50°	8218.9	8290.4	8686.9	9206.2	9256.0	8601.4	7925.0	7862.8	8368.2	8845.5	8481.7
52.5°	7772.7	7847.3	8494.1	9170.5	9383.5	8977.7	8424.1	8335.5	8705.6	9123.8	8495.7
55°	6748.0	6849.1	8052.5	9089.6	9507.9	9319.7	8987.0	8806.6	9140.9	9506.3	8634.0
57.5°	5854.0	5906.8	6976.6	8730.4	9532.7	9571.6	9388.1	9173.6	9573.2	9919.9	8789.5
60°	4296.0	4308.5	5270.9	7223.8	8769.3	9425.5	9355.5	9036.7	9367.9	9588.7	8077.4
62.5°	2427.1	2428.7	3196.8	4821.6	6550.6	7682.5	7726.0	7444.6	7166.3	7231.6	5622.3
65°	911.1	996.7	1460.0	2369.6	3776.7	4535.5	4715.8	4781.1	4317.8	4030.2	3014.8
67.5°	609.5	629.7	852.1	1219.0	1680.8	1940.4	2170.6	2176.8	1592.2	1419.6	1187.9
70°	464.9	485.1	670.1	872.3	852.1	786.8	850.5	827.2	855.2	878.5	903.4
72.5°	346.7	366.9	519.3	615.7	511.5	503.8	570.6	634.4	693.5	718.3	757.2
75°	230.1	245.7	349.8	329.6	283.0	334.3	416.7	480.4	514.7	544.2	573.7
77.5°	146.2	157.0	186.6	150.8	157.0	195.9	242.6	300.1	332.7	362.3	377.8
80°	66.9	65.3	63.7	71.5	88.6	115.1	146.2	180.4	205.2	217.7	227.0
82.5°	26.4	29.5	32.7	38.9	48.2	62.2	82.4	105.7	125.9	129.1	136.8
85°	10.9	12.4	14.0	17.1	21.8	28.0	34.2	48.2	60.6	65.3	70.0
87.5°	0.0	0.0	0.0	0.0	1.6	3.1	4.7	7.8	14.0	15.5	17.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P635751

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4712.7	4712.7	4712.7	4712.7	4712.7	4712.7	4712.7	4712.7	4712.7	4712.7	4712.7
2.5°	4743.8	4723.6	4757.8	4781.1	4802.9	4779.6	4771.8	4751.6	4748.5	4748.5	4759.4
5°	4787.4	4773.4	4809.1	4823.1	4821.6	4770.3	4739.2	4698.7	4678.5	4678.5	4681.6
7.5°	4865.1	4857.3	4877.5	4855.8	4806.0	4701.8	4599.2	4513.7	4456.2	4426.6	4436.0
10°	4994.2	4984.8	4967.7	4886.9	4743.8	4527.7	4317.8	4162.3	4069.0	4016.2	4019.3
12.5°	5120.1	5104.5	5043.9	4865.1	4571.2	4227.6	3952.4	3778.3	3675.6	3613.5	3599.5
15°	5258.5	5218.1	5087.4	4753.2	4289.8	3860.7	3573.0	3384.9	3274.5	3237.2	3235.6
17.5°	5390.6	5319.1	5082.8	4554.1	3952.4	3476.6	3187.4	3070.8	3052.2	3069.3	3073.9
20°	5524.4	5409.3	5031.5	4278.9	3551.3	3094.1	2944.9	2993.1	3063.0	3109.7	3120.6
22.5°	5662.7	5483.9	4914.9	3924.4	3128.3	2836.0	2898.2	3004.0	3091.0	3153.2	3159.4
25°	5818.2	5553.9	4740.7	3490.6	2789.4	2764.5	2887.3	2999.3	3092.6	3164.1	3176.5
27.5°	5906.8	5555.5	4496.6	3044.4	2633.9	2736.5	2860.9	2966.6	3059.9	3137.7	3151.7
30°	5993.9	5513.5	4109.4	2682.1	2588.8	2703.9	2815.8	2913.8	3002.4	3078.6	3095.7
32.5°	6116.8	5474.6	3663.2	2473.8	2562.4	2672.8	2764.5	2851.6	2920.0	2954.2	2963.5
35°	6269.1	5424.8	3189.0	2383.6	2545.3	2647.9	2728.7	2775.4	2686.8	2668.1	2688.3
37.5°	6482.1	5378.2	2716.3	2344.7	2534.4	2638.6	2710.1	2590.4	2481.5	2438.0	2453.5
40°	6712.3	5351.8	2396.0	2313.6	2539.1	2647.9	2632.3	2455.1	2298.1	2206.3	2203.2
42.5°	6908.2	5311.3	2190.8	2293.4	2551.5	2683.7	2526.6	2335.4	2102.1	2047.7	2049.3
45°	7040.3	5208.7	2081.9	2271.6	2562.4	2691.4	2476.9	2170.6	2004.2	1970.0	1968.4
47.5°	7094.7	5022.1	2012.0	2237.4	2560.8	2627.7	2375.8	2102.1	1935.8	1926.5	1932.7
50°	7059.0	4715.8	1940.4	2170.6	2523.5	2560.8	2259.2	2041.5	1889.1	1940.4	1977.8
52.5°	6926.8	4319.4	1854.9	2078.8	2456.7	2484.6	2200.1	2004.2	1854.9	1923.3	1952.9
55°	6892.6	3997.5	1746.1	1959.1	2357.1	2349.4	2137.9	1985.5	1831.6	1805.2	1809.8
57.5°	6847.5	3683.4	1565.7	1744.5	2105.3	2117.7	2078.8	1963.8	1771.0	1763.2	1771.0
60°	5948.8	2823.6	1396.2	1505.1	1729.0	1795.8	2012.0	1923.3	1673.0	1640.4	1638.8
62.5°	3885.6	1710.3	1242.3	1312.3	1408.7	1486.4	1834.7	1806.7	1565.7	1545.5	1559.5
65°	2089.7	1219.0	1130.4	1172.4	1225.2	1284.3	1520.6	1609.3	1414.9	1343.4	1344.9
67.5°	1068.2	1037.1	1046.4	1076.0	1116.4	1145.9	1226.8	1304.5	1206.6	1145.9	1144.4
70°	914.2	939.1	953.1	970.2	996.7	992.0	999.8	1013.8	1006.0	976.4	974.9
72.5°	779.0	817.8	821.0	824.1	833.4	811.6	797.6	774.3	775.9	780.5	782.1
75°	592.4	629.7	639.0	634.4	643.7	615.7	597.1	573.7	545.7	541.1	544.2
77.5°	385.6	415.1	429.1	426.0	430.7	408.9	399.6	374.7	342.1	329.6	329.6
80°	233.2	250.3	261.2	264.3	269.0	253.4	237.9	216.1	202.1	188.1	188.1
82.5°	141.5	152.4	160.1	160.1	164.8	147.7	135.3	119.7	113.5	101.1	101.1
85°	71.5	79.3	82.4	80.9	77.7	63.7	59.1	51.3	48.2	42.0	42.0
87.5°	17.1	21.8	21.8	15.5	15.5	7.8	4.7	1.6	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)