

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: P643314

Luminaire Tested: GWS-SA6E-760-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-760-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37821.5 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

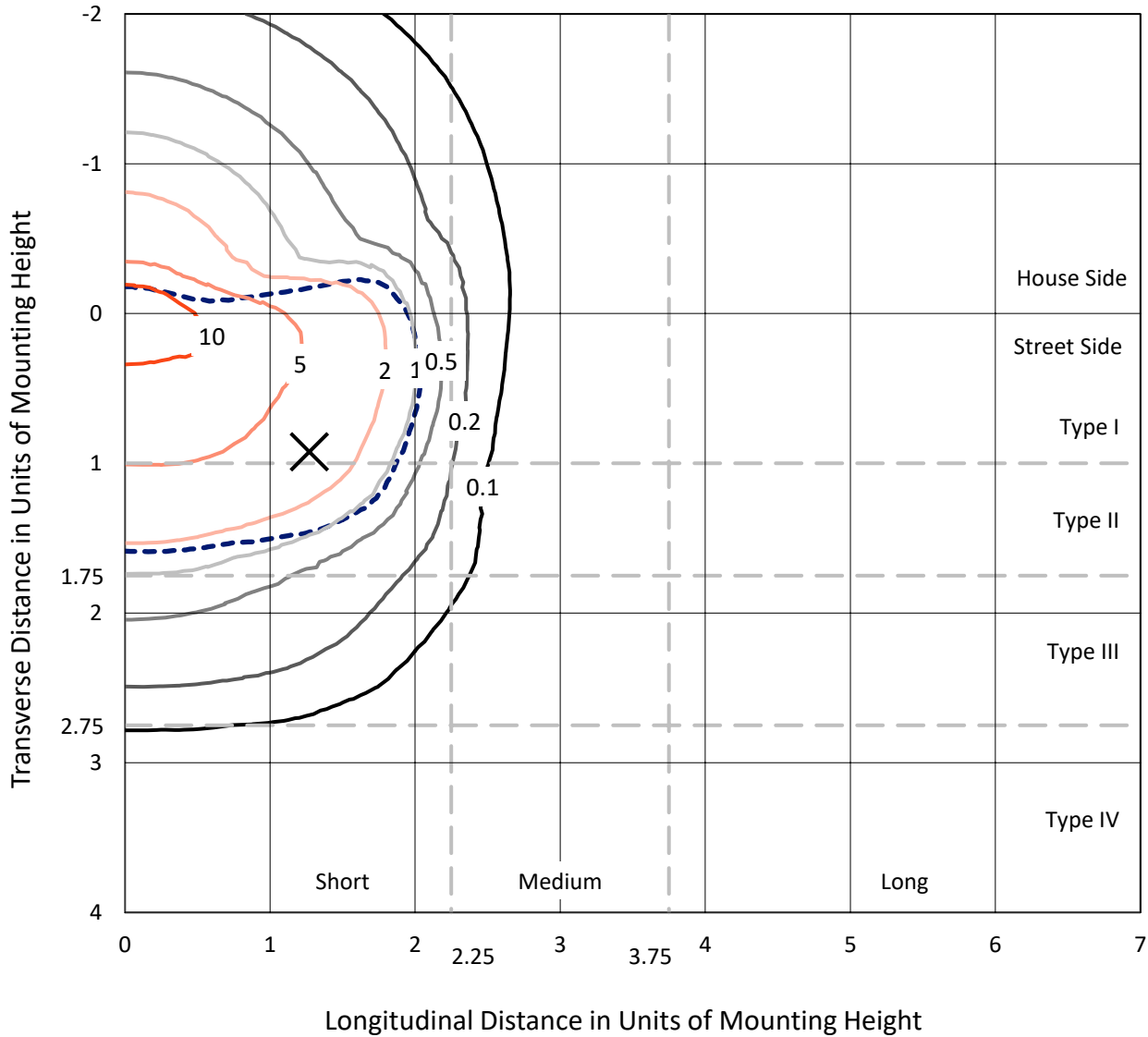
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

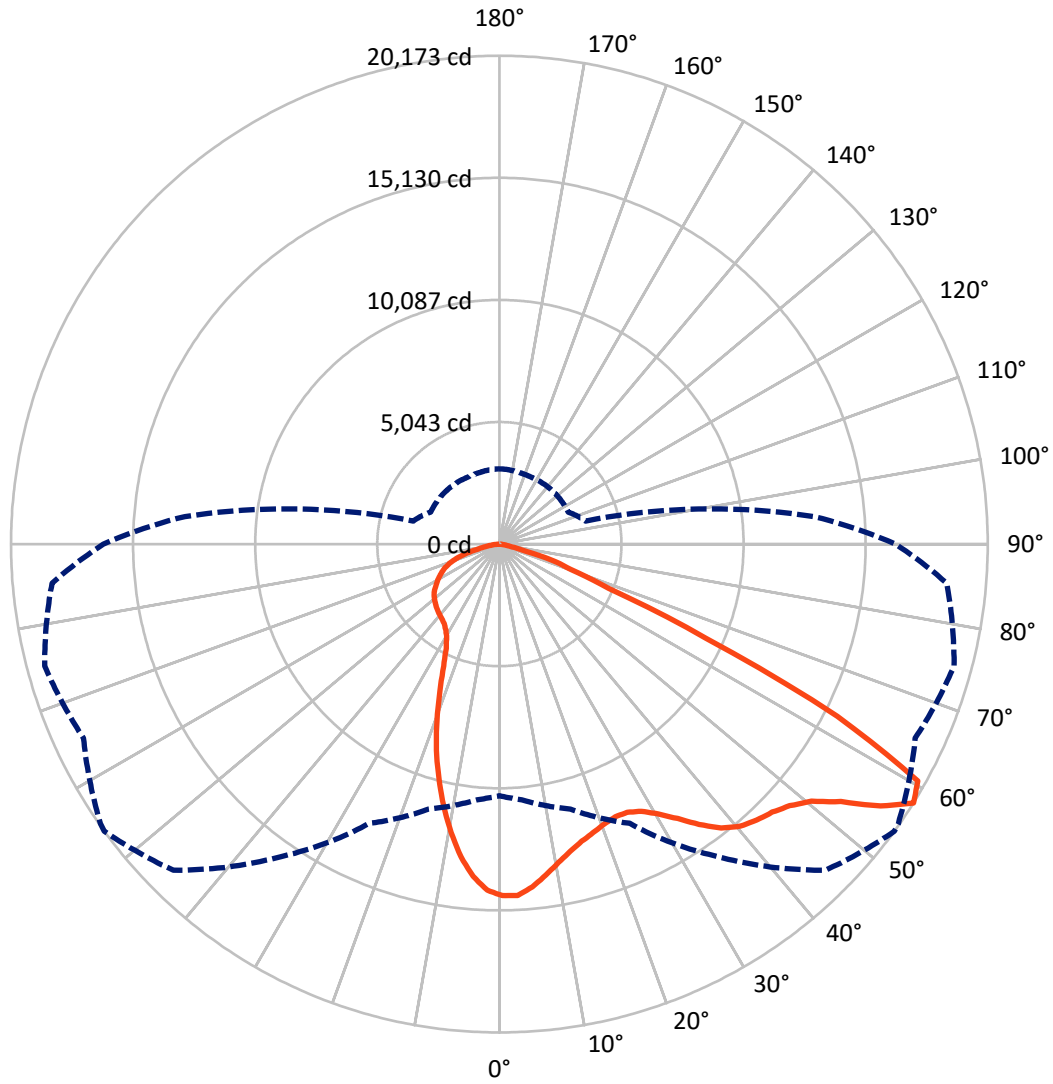
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 16.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10995.1	0.0	10995.1
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	26826.4	0.0	26826.4
	% Fixture	70.9	0.0	70.9
Total	Lumens	37821.5	0.0	37821.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1276.3	3.4
10°-20°	3045.5	8.1
20°-30°	4214.5	11.1
30°-40°	5856.1	15.5
40°-50°	7734.1	20.4
50°-60°	9190.9	24.3
60°-70°	5091.9	13.5
70°-80°	1268.0	3.4
80°-90°	144.2	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°	37821.5	100.0
0°-180°	37821.5	100.0

Coefficient of Utilization



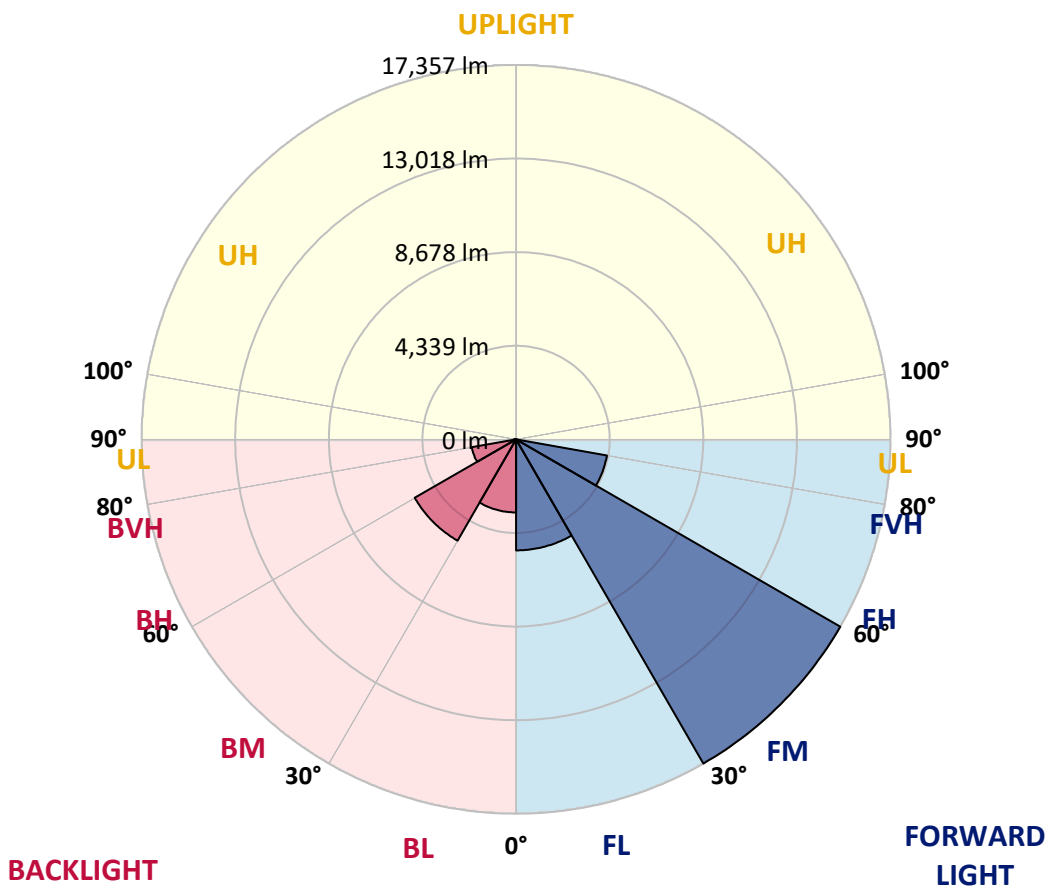
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5148.1	13.6			
FM (30°-60°)	17356.9	45.9			
FH (60°-80°)	4276.2	11.3			G2/5000
FVH (80°-90°)	45.1	0.1			G1/100
BL (0°-30°)	3388.3	9.0	B4/5000		
BM (30°-60°)	5424.2	14.3	B4/8500		
BH (60°-80°)	2083.6	5.5	B3/2500		G3/2500
BVH (80°-90°)	99.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	14520.5	14520.5	14520.5	14520.5	14520.5	14520.5	14520.5	14520.5	14520.5	14520.5	14520.5
2.5°	14248.6	14277.7	14297.1	14365.1	14423.4	14475.2	14530.2	14530.2	14527.0	14517.3	14497.9
5°	13685.2	13717.6	13762.9	13856.8	13983.1	14073.7	14222.7	14235.6	14300.4	14326.3	14313.3
7.5°	13031.2	13041.0	13099.2	13222.3	13423.0	13584.9	13798.6	13824.5	13979.9	14070.5	14054.3
10°	12315.7	12283.4	12387.0	12568.3	12830.5	13102.5	13377.7	13400.3	13649.6	13821.2	13808.3
12.5°	11661.8	11665.0	11768.6	11988.7	12315.7	12652.5	13021.5	13073.3	13380.9	13601.1	13578.4
15°	11114.6	11127.6	11253.8	11503.1	11875.4	12276.9	12736.6	12785.2	13173.7	13465.1	13400.3
17.5°	10677.5	10690.5	10800.6	11085.5	11483.7	11969.3	12529.4	12578.0	13060.4	13406.8	13274.1
20°	10376.4	10370.0	10476.8	10748.8	11159.9	11687.7	12348.1	12419.3	13024.8	13429.5	13189.9
22.5°	10253.4	10250.2	10327.9	10551.3	10936.5	11470.7	12238.0	12335.2	13063.6	13529.8	13138.1
25°	10314.9	10302.0	10370.0	10535.1	10842.6	11386.6	12270.4	12374.0	13228.7	13737.0	13147.8
27.5°	10505.9	10489.7	10548.0	10697.0	10930.1	11474.0	12497.0	12616.8	13578.4	14115.8	13277.3
30°	10797.3	10787.6	10845.9	10988.3	11192.3	11765.4	12930.9	13066.9	14119.1	14705.1	13559.0
32.5°	11137.3	11121.1	11224.7	11389.8	11626.1	12296.3	13513.6	13691.7	14760.1	15462.7	14031.7
35°	11519.3	11506.3	11648.8	11888.4	12228.3	13034.5	14219.4	14413.7	15414.1	16320.6	14659.7
37.5°	11891.6	11891.6	12166.8	12522.9	12950.3	13837.4	14883.1	15006.2	15867.4	17081.5	15333.2
40°	12221.9	12241.3	12655.7	13189.9	13733.8	14562.6	15320.2	15423.8	16068.1	17605.9	15919.2
42.5°	12587.7	12603.9	13086.3	13785.6	14433.1	15148.6	15585.7	15637.5	16106.9	17868.2	16333.6
45°	12879.1	12901.7	13500.7	14248.6	15041.8	15588.9	15796.1	15841.5	16162.0	18010.6	16634.7
47.5°	13031.2	13063.6	13750.0	14620.9	15453.0	15983.9	16142.6	16162.0	16388.6	18259.9	16997.3
50°	13005.3	13070.1	13843.9	14805.4	15757.3	16382.1	16699.4	16731.8	16851.6	18625.8	17421.4
52.5°	13235.2	13264.4	14044.6	15025.6	16191.1	17117.1	17667.5	17712.8	17657.7	18901.0	17673.9
55°	12853.2	12992.4	13795.3	14993.2	16851.6	18253.5	19101.7	19079.0	18389.4	19208.5	18094.8
57.5°	10395.9	10599.8	11334.8	12726.9	15763.8	19049.9	20173.3	20118.3	18956.0	19444.9	18551.3
60°	7197.1	7229.5	7893.2	8880.7	12166.8	16828.9	19859.3	19979.1	19059.6	19147.0	17706.3
62.5°	5756.4	5746.7	5808.2	5834.1	7737.8	11830.1	15676.3	16113.4	15835.0	14918.8	12548.8
65°	4914.6	4950.3	5131.6	5037.7	5050.6	6662.9	9366.3	9427.8	9233.6	8903.3	6637.0
67.5°	3846.2	3907.8	4228.3	4594.1	4477.6	4289.8	4859.6	4830.5	3807.4	2946.2	2434.7
70°	2408.8	2447.6	2790.8	3606.7	3898.0	3522.5	3124.3	3111.3	2039.7	1677.1	1838.9
72.5°	1405.1	1411.6	1508.7	2010.5	2586.8	2408.8	2298.7	2214.5	1311.2	1337.1	1466.6
75°	773.8	773.8	770.5	867.7	1019.8	903.3	874.1	851.5	877.4	993.9	1091.1
77.5°	161.9	165.1	174.8	229.9	297.9	362.6	456.5	459.7	573.1	663.7	741.4
80°	74.5	77.7	97.1	123.0	158.6	210.4	278.4	281.7	346.4	417.6	469.4
82.5°	38.9	42.1	51.8	64.8	84.2	110.1	155.4	155.4	207.2	246.1	278.4
85°	13.0	13.0	19.4	25.9	35.6	45.3	61.5	61.5	90.7	119.8	139.2
87.5°	0.0	0.0	0.0	0.0	3.2	6.5	13.0	13.0	16.2	19.4	32.4
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°	14520.5	14520.5	14520.5	14520.5	14520.5	14520.5	14520.5	14520.5	14520.5	14520.5	14520.5
2.5°	14455.8	14355.4	14358.7	14378.1	14316.6	14222.7	14161.2	14083.5	14034.9	14025.2	14060.8
5°	14248.6	14132.0	14051.1	13966.9	13792.1	13584.9	13423.0	13290.3	13202.8	13170.5	13131.6
7.5°	13963.7	13811.5	13607.5	13371.2	13053.9	12684.8	12425.8	12183.0	12014.6	11966.1	11943.4
10°	13678.8	13458.6	13096.0	12655.7	12128.0	11629.4	11159.9	10800.6	10515.7	10353.8	10405.6
12.5°	13384.1	13112.2	12545.6	11869.0	11134.0	10382.9	9767.8	9172.1	8712.3	8482.5	8414.5
15°	13125.1	12756.1	11966.1	11049.9	10072.1	9126.7	8236.4	7342.8	6760.1	6442.8	6355.4
17.5°	12905.0	12425.8	11354.2	10214.6	9045.8	7699.0	6604.7	5775.8	5377.6	5202.8	5189.8
20°	12688.1	12102.1	10748.8	9314.5	7860.8	6352.1	5374.4	4985.9	4843.4	4781.9	4778.7
22.5°	12493.8	11762.1	10111.0	8414.5	6682.4	5338.8	4801.3	4633.0	4594.1	4594.1	4587.6
25°	12328.7	11422.2	9457.0	7459.4	5617.2	4752.8	4503.5	4432.2	4448.4	4477.6	4480.8
27.5°	12260.7	11156.7	8825.6	6478.4	4882.3	4412.8	4299.5	4289.8	4335.1	4380.4	4386.9
30°	12331.9	10975.4	8178.1	5539.5	4442.0	4205.6	4153.8	4173.2	4228.3	4273.6	4273.6
32.5°	12552.1	10884.7	7517.7	4853.1	4186.2	4059.9	4043.7	4063.2	4105.2	4131.1	4134.4
35°	12924.4	10920.3	6834.5	4390.2	4021.1	3953.1	3949.8	3962.8	3979.0	3995.2	3998.4
37.5°	13393.9	11079.0	6102.8	4121.4	3914.2	3875.4	3868.9	3865.7	3868.9	3868.9	3872.1
40°	13853.6	11318.6	5448.8	3962.8	3839.8	3807.4	3791.2	3768.5	3765.3	3758.8	3755.6
42.5°	14193.5	11503.1	4927.6	3849.5	3771.8	3732.9	3713.5	3677.9	3674.6	3671.4	3668.2
45°	14449.3	11658.5	4493.8	3739.4	3700.6	3664.9	3622.8	3590.5	3596.9	3603.4	3603.4
47.5°	14737.5	11794.5	4176.5	3635.8	3613.1	3577.5	3525.7	3503.1	3525.7	3548.4	3548.4
50°	15087.1	11985.5	3917.5	3532.2	3522.5	3480.4	3435.1	3425.4	3451.3	3483.6	3483.6
52.5°	15342.9	12150.6	3732.9	3428.6	3428.6	3373.6	3334.7	3331.5	3360.6	3393.0	3396.2
55°	15822.0	12535.9	3668.2	3308.8	3295.9	3253.8	3224.6	3202.0	3237.6	3266.7	3266.7
57.5°	16362.7	13047.4	3684.4	3137.2	3121.0	3108.1	3085.4	3059.5	3069.2	3101.6	3104.8
60°	15216.6	12056.7	3506.3	2965.6	2955.9	2949.4	2920.3	2875.0	2887.9	2913.8	2917.1
62.5°	10629.0	8013.0	2836.1	2751.9	2784.3	2781.1	2742.2	2690.4	2693.7	2729.3	2729.3
65°	5516.8	4335.1	2489.7	2557.7	2606.2	2586.8	2522.1	2476.7	2470.3	2515.6	2505.9
67.5°	2379.6	2366.7	2266.3	2353.7	2405.5	2363.4	2295.4	2221.0	2227.5	2243.6	2230.7
70°	1916.6	1974.9	2017.0	2110.9	2153.0	2075.3	2000.8	1958.7	1923.1	1919.9	1897.2
72.5°	1531.4	1612.3	1706.2	1803.3	1816.3	1738.6	1644.7	1605.8	1550.8	1547.6	1524.9
75°	1152.6	1220.6	1295.0	1372.7	1372.7	1298.3	1236.8	1217.3	1152.6	1133.2	1113.7
77.5°	786.7	828.8	887.1	906.5	925.9	896.8	835.3	802.9	728.5	709.0	683.1
80°	495.3	524.5	560.1	573.1	592.5	556.9	508.3	472.7	420.9	404.7	391.7
82.5°	297.9	317.3	339.9	346.4	362.6	336.7	291.4	265.5	236.3	223.4	213.7
85°	152.2	161.9	174.8	178.1	174.8	148.9	132.7	119.8	100.4	97.1	90.7
87.5°	38.9	45.3	48.6	45.3	42.1	32.4	22.7	16.2	6.5	6.5	3.2
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)