

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: P643337

Luminaire Tested: GWS-SA6E-760-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643337
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-SAGE-760-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III 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: 38546.8 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

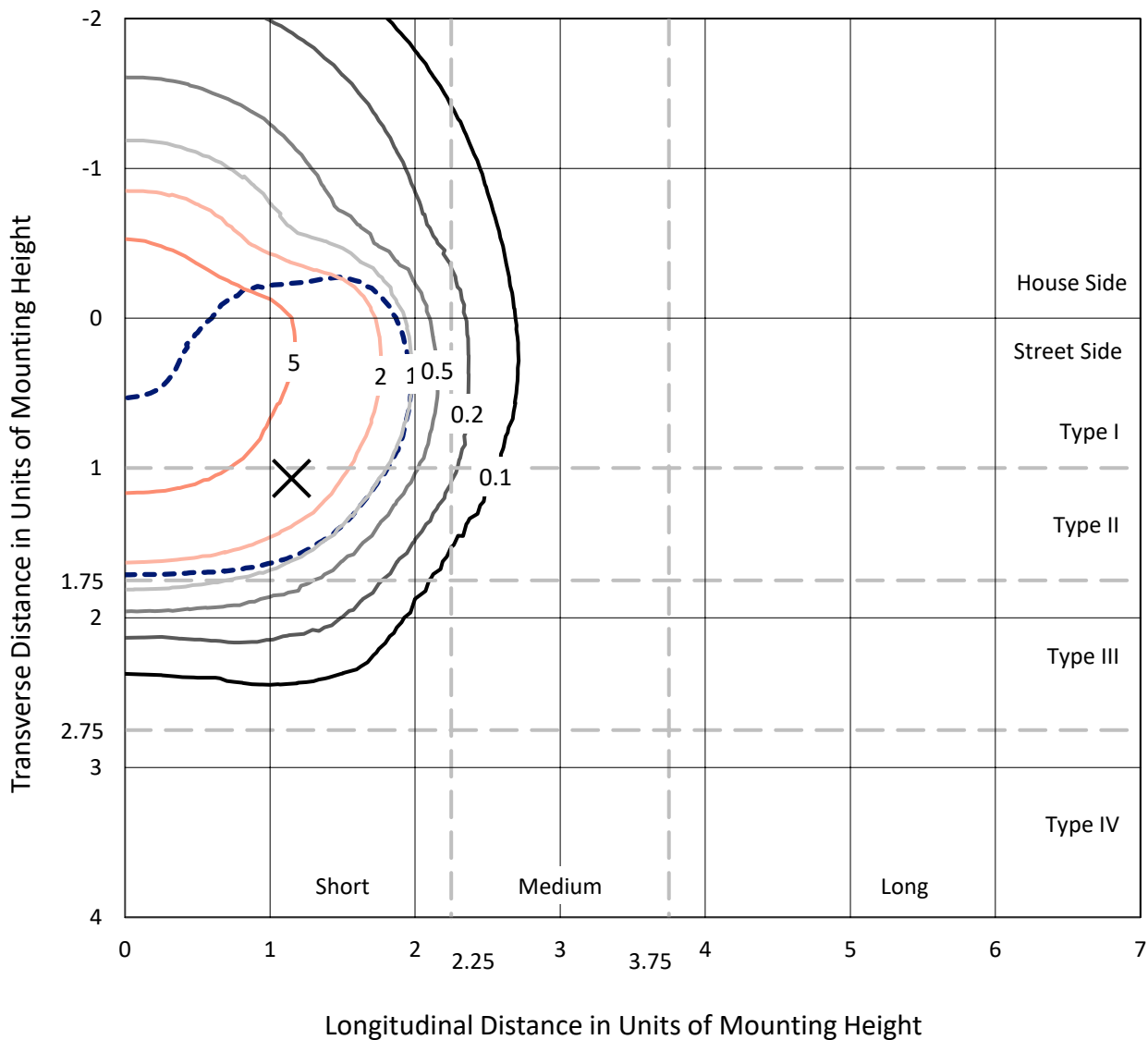
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

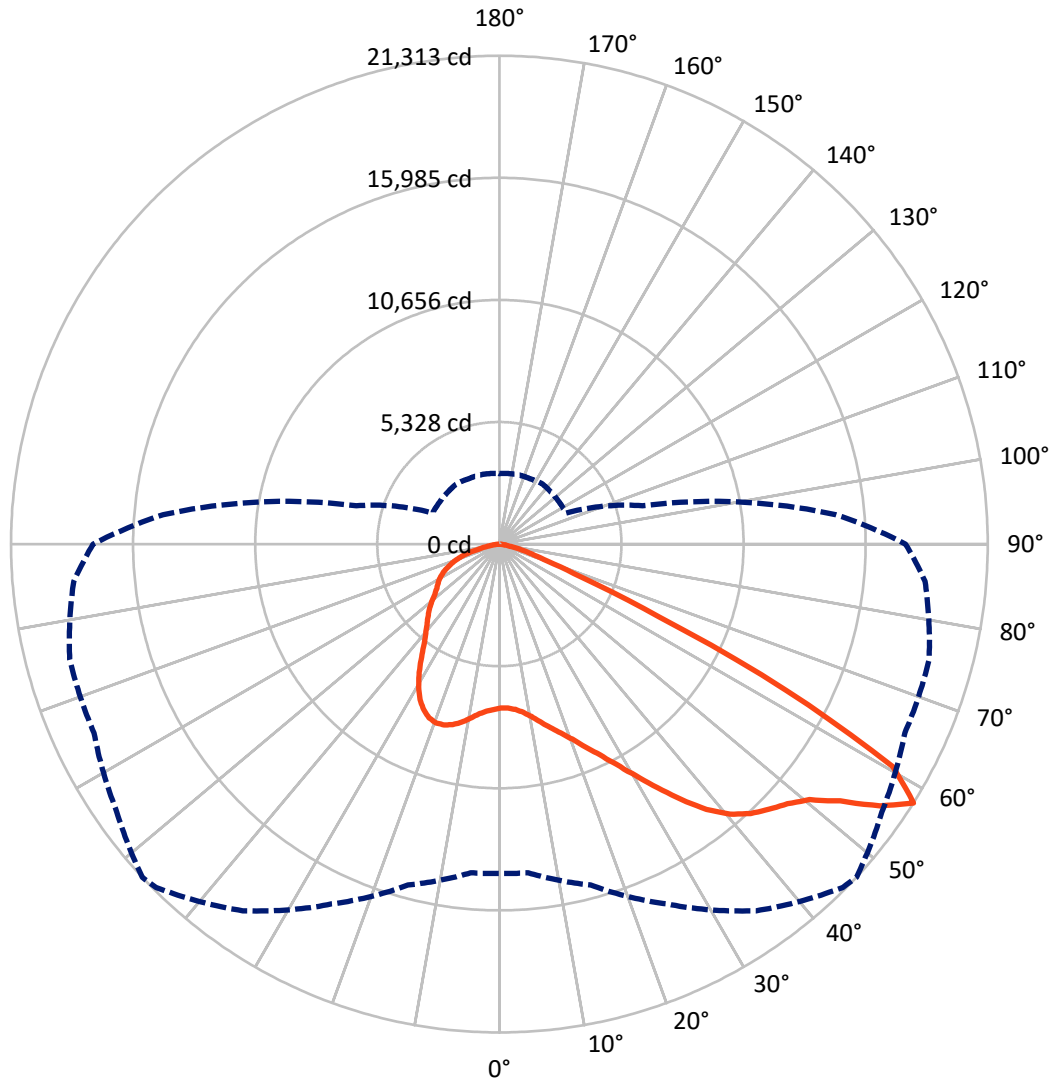
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.9 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	12200.0	0.0	12200.0
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	26346.8	0.0	26346.8
	% Fixture	68.4	0.0	68.4
Total	Lumens	38546.8	0.0	38546.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	705.1	1.8
10°-20°	2319.0	6.0
20°-30°	4175.7	10.8
30°-40°	6306.9	16.4
40°-50°	8492.9	22.0
50°-60°	10205.4	26.5
60°-70°	4970.2	12.9
70°-80°	1224.5	3.2
80°-90°	147.2	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°	38546.8	100.0
0°-180°	38546.8	100.0

Coefficient of Utilization



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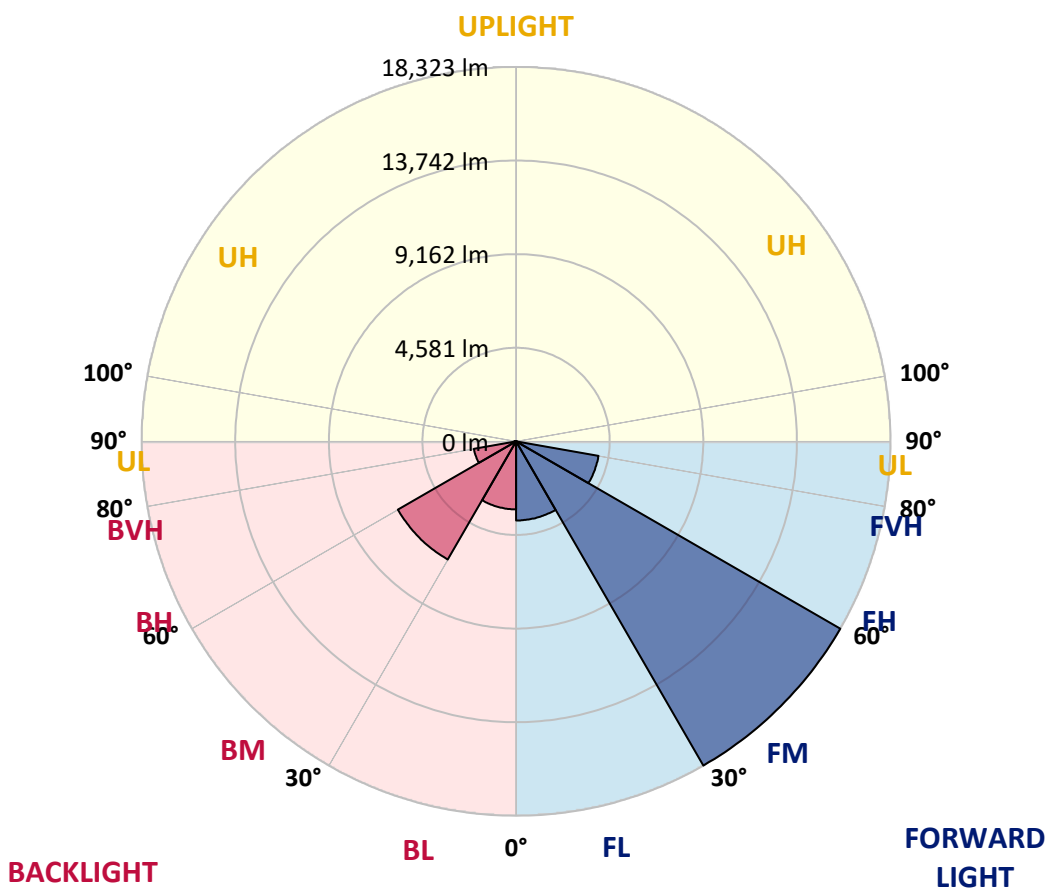
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3871.8	10.0			
FM (30°-60°)	18323.3	47.5			
FH (60°-80°)	4096.4	10.6			G2/5000
FVH (80°-90°)	55.3	0.1			G1/100
BL (0°-30°)	3327.9	8.6	B4/5000		
BM (30°-60°)	6681.9	17.3	B4/8500		
BH (60°-80°)	2098.3	5.4	B3/2500		G3/2500
BVH (80°-90°)	91.8	0.2			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°	47°	55°	65°	75°	85°
0°	7148.6	7148.6	7148.6	7148.6	7148.6	7148.6	7148.6	7148.6	7148.6	7148.6	7148.6
2.5°	7135.6	7132.4	7132.4	7151.8	7151.8	7158.3	7168.0	7177.7	7180.9	7164.7	7129.1
5°	7213.3	7213.3	7213.3	7229.5	7229.5	7236.0	7248.9	7252.2	7248.9	7223.0	7187.4
7.5°	7336.3	7336.3	7339.6	7359.0	7375.2	7384.9	7407.6	7404.3	7394.6	7352.5	7307.2
10°	7537.1	7546.8	7556.5	7579.2	7611.5	7634.2	7650.4	7650.4	7637.4	7572.7	7514.4
12.5°	7822.0	7834.9	7844.6	7864.1	7890.0	7928.8	7964.4	7964.4	7948.2	7867.3	7779.9
15°	8155.4	8168.4	8165.2	8171.6	8220.2	8275.2	8304.4	8323.8	8330.3	8217.0	8081.0
17.5°	8537.5	8550.4	8537.5	8518.1	8524.5	8611.9	8663.7	8735.0	8777.1	8624.9	8408.0
20°	8883.9	8870.9	8870.9	8883.9	8903.3	9010.2	9087.9	9204.4	9256.2	9071.7	8735.0
22.5°	9249.7	9278.9	9265.9	9265.9	9343.6	9521.7	9615.6	9767.8	9822.8	9583.2	9130.0
25°	9722.4	9748.3	9741.9	9748.3	9839.0	10091.5	10185.4	10467.1	10522.1	10178.9	9567.0
27.5°	10240.4	10282.5	10302.0	10295.5	10441.2	10771.4	10888.0	11279.7	11380.1	10845.9	10033.2
30°	10913.9	10959.2	10975.4	10968.9	11140.5	11590.5	11723.2	12170.0	12312.5	11635.8	10625.7
32.5°	11694.1	11739.4	11788.0	11807.4	12027.6	12487.3	12678.3	13141.3	13345.3	12548.8	11341.2
35°	12467.9	12506.7	12600.6	12752.8	13053.9	13523.3	13691.7	14148.2	14345.7	13497.4	12205.6
37.5°	13322.6	13348.5	13429.5	13639.9	14073.7	14520.5	14688.9	15125.9	15148.6	14413.7	13183.4
40°	14258.3	14258.3	14242.1	14449.3	14902.5	15352.6	15498.3	15750.8	15618.0	15119.5	14135.2
42.5°	15051.5	15038.5	15051.5	15245.7	15582.4	15948.3	16074.5	16026.0	15857.6	15660.1	14996.4
45°	15767.0	15776.7	15893.2	16042.2	16217.0	16433.9	16508.4	16233.2	16081.0	16094.0	15686.0
47.5°	16252.6	16262.3	16534.3	16783.6	16890.4	16958.4	16926.0	16544.0	16466.3	16612.0	16217.0
50°	16317.4	16369.2	16838.6	17350.2	17615.6	17625.3	17534.7	17068.5	17045.8	17210.9	16501.9
52.5°	16330.3	16382.1	16968.1	17890.8	18580.4	18726.1	18622.5	18136.9	17900.5	17735.4	16851.6
55°	16281.8	16340.0	16987.5	18253.4	19574.4	20157.1	20166.8	19480.5	18726.1	18616.0	17848.7
57.5°	14374.8	14397.5	15401.1	17330.7	19535.5	21186.7	21312.9	20380.5	19519.3	19415.7	18648.4
60°	10013.8	10104.5	11195.5	13743.5	16411.3	19321.8	19729.8	19457.8	18881.5	18127.2	16000.1
62.5°	5015.0	5092.7	6187.0	8595.8	11318.6	13617.2	14054.3	14342.4	14478.4	13669.0	10894.4
65°	2159.5	2217.7	2897.6	4490.5	6407.2	7517.6	7669.8	8016.2	8864.5	7909.4	5869.7
67.5°	1444.0	1482.8	1829.2	2739.0	3775.0	3846.2	3823.6	3898.0	4082.6	3370.3	2651.6
70°	1107.2	1139.6	1372.7	2007.3	2713.1	2321.3	2198.3	1994.3	2165.9	2208.0	2149.7
72.5°	802.9	828.8	1003.6	1369.5	1699.7	1482.8	1463.4	1567.0	1800.1	1864.8	1829.2
75°	518.0	531.0	637.8	751.1	877.4	951.8	990.7	1178.5	1414.8	1463.4	1421.3
77.5°	346.4	356.1	417.6	482.4	498.6	501.8	514.8	599.0	760.8	851.5	841.8
80°	181.3	181.3	204.0	204.0	233.1	278.4	291.4	346.4	420.9	466.2	469.4
82.5°	71.2	74.5	87.4	97.1	116.6	142.5	152.2	181.3	220.2	252.5	281.7
85°	29.1	32.4	35.6	42.1	51.8	64.8	68.0	77.7	103.6	129.5	145.7
87.5°	0.0	0.0	3.2	3.2	6.5	9.7	9.7	13.0	16.2	29.1	38.9
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°	7148.6	7148.6	7148.6	7148.6	7148.6	7148.6	7148.6	7148.6	7148.6	7148.6	7148.6
2.5°	7171.2	7129.1	7171.2	7184.2	7219.8	7232.7	7210.1	7206.8	7206.8	7174.5	7164.7
5°	7219.8	7180.9	7223.0	7242.4	7294.3	7326.6	7333.1	7359.0	7375.2	7362.2	7359.0
7.5°	7339.6	7291.0	7336.3	7365.5	7433.5	7485.3	7507.9	7566.2	7608.3	7601.8	7598.6
10°	7550.0	7485.3	7537.1	7585.6	7660.1	7721.6	7724.8	7757.2	7799.3	7786.4	7779.9
12.5°	7792.8	7731.3	7789.6	7838.2	7925.6	7951.5	7909.4	7896.4	7902.9	7886.7	7873.8
15°	8090.7	8003.3	8055.1	8110.1	8158.7	8129.5	8038.9	8003.3	8000.0	7977.4	7964.4
17.5°	8388.5	8278.5	8317.3	8346.5	8323.8	8233.1	8119.8	8058.3	8029.2	7983.9	7970.9
20°	8683.2	8544.0	8537.5	8514.8	8411.2	8246.1	8093.9	7970.9	7896.4	7834.9	7812.3
22.5°	9019.9	8825.6	8728.5	8624.9	8398.3	8129.5	7899.7	7724.8	7605.1	7527.4	7501.5
25°	9382.5	9107.3	8906.6	8699.4	8268.8	7880.3	7559.7	7320.2	7177.7	7093.5	7064.4
27.5°	9741.9	9363.1	9062.0	8709.1	8009.8	7520.9	7090.3	6766.5	6624.1	6556.1	6533.4
30°	10227.5	9703.0	9246.5	8582.8	7669.8	7022.3	6484.9	6157.9	6064.0	6015.4	5996.0
32.5°	10787.6	10133.6	9492.6	8317.3	7236.0	6439.5	5873.0	5646.3	5581.6	5487.7	5484.4
35°	11525.8	10748.7	9725.7	7925.6	6688.8	5814.7	5403.5	5241.6	5125.1	4976.1	4963.2
37.5°	12387.0	11516.0	9851.9	7427.0	6051.0	5299.9	5053.9	4872.5	4684.8	4487.3	4461.4
40°	13277.3	12412.9	9861.6	6837.8	5426.2	4960.0	4752.8	4516.4	4283.3	4063.2	4034.0
42.5°	14212.9	13248.1	9690.1	6157.9	4914.6	4665.3	4454.9	4157.0	3894.8	3745.9	3729.7
45°	15048.2	13921.6	9301.5	5442.4	4535.8	4419.3	4150.6	3830.0	3690.8	3584.0	3561.3
47.5°	15705.5	14368.3	8777.1	4801.3	4228.3	4166.8	3817.1	3652.0	3545.1	3448.0	3425.4
50°	16029.2	14468.7	8093.9	4280.1	3943.4	3868.9	3629.3	3503.1	3431.8	3354.1	3334.7
52.5°	16430.7	14582.0	7504.7	3843.0	3664.9	3564.6	3473.9	3373.6	3321.7	3273.2	3257.0
55°	17353.4	15009.4	7193.9	3493.3	3399.5	3354.1	3341.2	3257.0	3240.8	3208.4	3179.3
57.5°	17728.9	14734.2	6459.0	3208.4	3189.0	3195.5	3227.9	3150.2	3134.0	3095.1	3075.7
60°	14258.3	11137.2	4374.0	2962.4	3014.2	3056.3	3088.6	3010.9	2988.3	2981.8	2955.9
62.5°	9136.4	6850.7	3053.0	2732.5	2810.2	2862.0	2881.4	2807.0	2790.8	2842.6	2845.8
65°	4756.0	3732.9	2476.7	2486.5	2551.2	2628.9	2667.8	2641.9	2635.4	2690.4	2693.7
67.5°	2428.2	2282.5	2159.5	2195.1	2246.9	2347.2	2437.9	2551.2	2590.1	2596.5	2599.8
70°	2068.8	2004.1	1942.5	1965.2	2020.2	2075.3	2162.7	2217.7	2153.0	2136.8	2130.3
72.5°	1761.2	1712.7	1683.5	1709.4	1738.6	1728.9	1703.0	1728.9	1738.6	1741.8	1745.1
75°	1369.5	1333.9	1311.2	1314.5	1314.5	1278.8	1230.3	1201.1	1168.8	1142.9	1142.9
77.5°	838.5	845.0	867.7	864.4	861.2	848.2	799.7	773.8	696.1	673.4	673.4
80°	479.2	488.9	511.5	518.0	518.0	501.8	453.3	424.1	388.5	372.3	369.1
82.5°	291.4	304.3	317.3	323.8	327.0	307.6	265.5	242.8	223.4	207.2	207.2
85°	152.2	158.6	171.6	174.8	165.1	145.7	123.0	113.3	93.9	90.7	90.7
87.5°	42.1	45.3	51.8	42.1	38.9	29.1	16.2	13.0	6.5	3.2	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)