

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: P643259

Luminaire Tested: GWS-SA6E-750-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643259
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38347.1 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

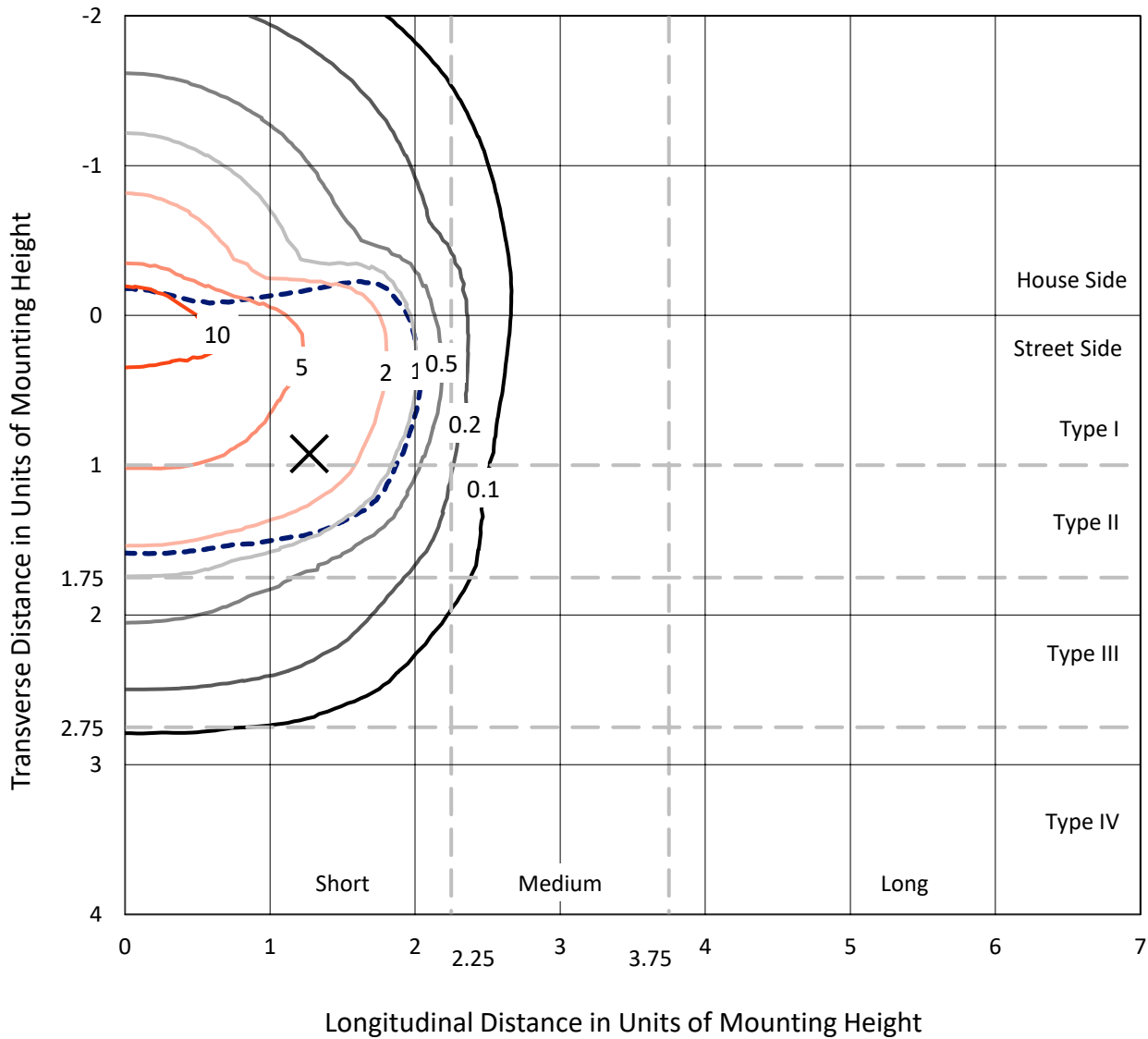
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

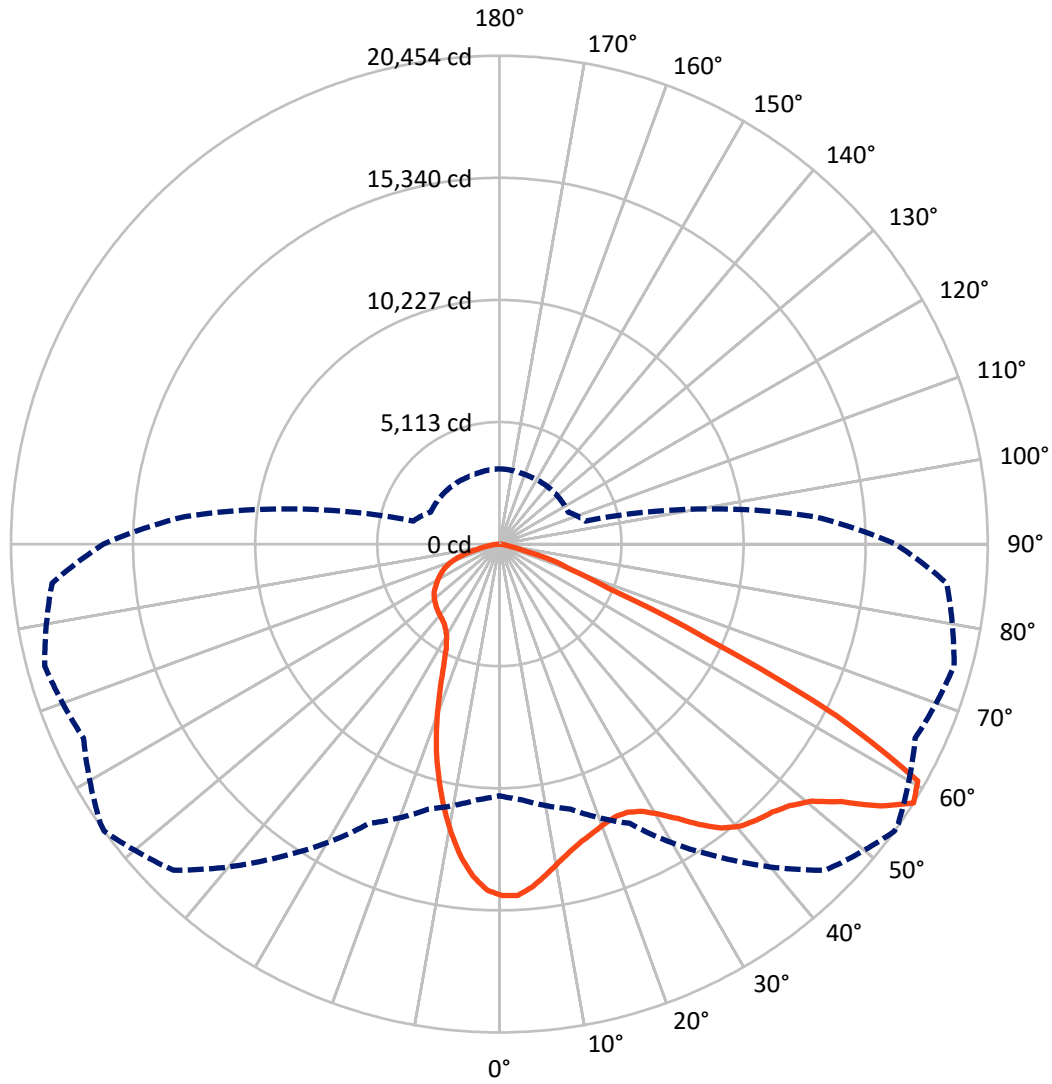
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 16.4 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	11147.9	0.0	11147.9
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	27199.2	0.0	27199.2
	% Fixture	70.9	0.0	70.9
Total	Lumens	38347.1	0.0	38347.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1294.1	3.4
10°-20°	3087.8	8.1
20°-30°	4273.1	11.1
30°-40°	5937.5	15.5
40°-50°	7841.6	20.4
50°-60°	9318.6	24.3
60°-70°	5162.6	13.5
70°-80°	1285.6	3.4
80°-90°	146.2	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°	38347.1	100.0
0°-180°	38347.1	100.0

Coefficient of Utilization



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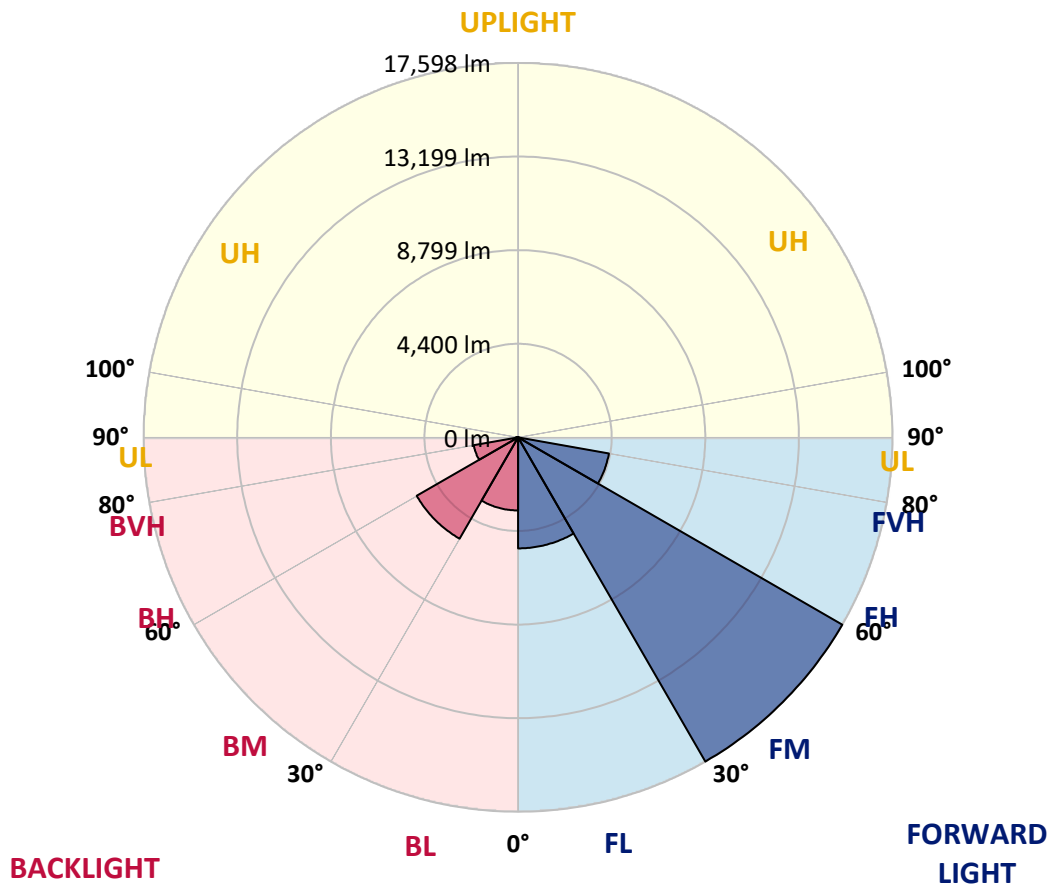
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5219.7	13.6			
FM (30°-60°)	17598.1	45.9			
FH (60°-80°)	4335.7	11.3			G2/5000
FVH (80°-90°)	45.7	0.1			G1/100
BL (0°-30°)	3435.3	9.0	B4/5000		
BM (30°-60°)	5499.6	14.3	B4/8500		
BH (60°-80°)	2112.6	5.5	B3/2500		G3/2500
BVH (80°-90°)	100.5	0.3			G2/225
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°	14722.3	14722.3	14722.3	14722.3	14722.3	14722.3	14722.3	14722.3	14722.3	14722.3	14722.3
2.5°	14446.6	14476.1	14495.8	14564.8	14623.8	14676.4	14732.2	14732.2	14728.9	14719.0	14699.3
5°	13875.4	13908.2	13954.2	14049.4	14177.4	14269.3	14420.3	14433.5	14499.1	14525.4	14512.2
7.5°	13212.3	13222.2	13281.3	13406.0	13609.5	13773.7	13990.3	14016.6	14174.1	14266.0	14249.6
10°	12486.9	12454.1	12559.1	12742.9	13008.8	13284.6	13563.6	13586.6	13839.3	14013.3	14000.2
12.5°	11823.8	11827.1	11932.1	12155.4	12486.9	12828.3	13202.5	13255.0	13566.9	13790.1	13767.1
15°	11269.1	11282.2	11410.2	11663.0	12040.5	12447.5	12913.6	12962.9	13356.8	13652.2	13586.6
17.5°	10825.9	10839.0	10950.7	11239.5	11643.3	12135.7	12703.5	12752.8	13241.9	13593.1	13458.5
20°	10520.6	10514.1	10622.4	10898.1	11315.0	11850.1	12519.7	12591.9	13205.8	13616.1	13373.2
22.5°	10395.9	10392.6	10471.4	10697.9	11088.5	11630.1	12408.1	12506.6	13245.2	13717.9	13320.7
25°	10458.3	10445.1	10514.1	10681.5	10993.3	11544.8	12440.9	12546.0	13412.6	13927.9	13330.5
27.5°	10651.9	10635.5	10694.6	10845.6	11082.0	11633.4	12670.7	12792.2	13767.1	14312.0	13461.8
30°	10947.4	10937.5	10996.6	11141.0	11347.8	11928.9	13110.6	13248.4	14315.3	14909.4	13747.4
32.5°	11292.0	11275.6	11380.7	11548.1	11787.7	12467.2	13701.4	13882.0	14965.2	15677.6	14226.7
35°	11679.4	11666.3	11810.7	12053.6	12398.3	13215.6	14417.0	14614.0	15628.3	16547.4	14863.5
37.5°	12056.9	12056.9	12335.9	12697.0	13130.3	14029.7	15090.0	15214.7	16087.9	17318.8	15546.2
40°	12391.7	12411.4	12831.6	13373.2	13924.7	14765.0	15533.1	15638.2	16291.4	17850.6	16140.4
42.5°	12762.6	12779.0	13268.1	13977.2	14633.7	15359.1	15802.3	15854.8	16330.8	18116.5	16560.6
45°	13058.1	13081.0	13688.3	14446.6	15250.8	15805.6	16015.7	16061.6	16386.6	18260.9	16865.8
47.5°	13212.3	13245.2	13941.1	14824.1	15667.7	16206.0	16366.9	16386.6	16616.4	18513.7	17233.5
50°	13186.1	13251.7	14036.3	15011.2	15976.3	16609.8	16931.5	16964.3	17085.8	18884.6	17663.5
52.5°	13419.1	13448.7	14239.8	15234.4	16416.1	17354.9	17913.0	17958.9	17903.1	19163.6	17919.5
55°	13031.8	13172.9	13987.0	15201.6	17085.8	18507.1	19367.2	19344.2	18645.0	19475.5	18346.3
57.5°	10540.3	10747.1	11492.3	12903.8	15982.8	19314.6	20453.7	20397.9	19219.4	19715.1	18809.1
60°	7297.2	7330.0	8002.9	9004.1	12335.9	17062.8	20135.3	20256.7	19324.5	19413.1	17952.4
62.5°	5836.4	5826.6	5888.9	5915.2	7845.3	11994.5	15894.2	16337.3	16055.0	15126.1	12723.2
65°	4982.9	5019.0	5202.9	5107.7	5120.8	6755.5	9496.5	9558.8	9361.9	9027.1	6729.3
67.5°	3899.7	3962.1	4287.0	4658.0	4539.8	4349.4	4927.1	4897.6	3860.3	2987.1	2468.5
70°	2442.2	2481.6	2829.6	3656.8	3952.2	3571.4	3167.7	3154.5	2068.0	1700.4	1864.5
72.5°	1424.6	1431.2	1529.7	2038.5	2622.8	2442.2	2330.6	2245.3	1329.4	1355.7	1487.0
75°	784.5	784.5	781.3	879.7	1034.0	915.8	886.3	863.3	889.6	1007.7	1106.2
77.5°	164.1	167.4	177.3	233.1	302.0	367.6	462.8	466.1	581.0	672.9	751.7
80°	75.5	78.8	98.5	124.7	160.8	213.4	282.3	285.6	351.2	423.5	476.0
82.5°	39.4	42.7	52.5	65.7	85.3	111.6	157.6	157.6	210.1	249.5	282.3
85°	13.1	13.1	19.7	26.3	36.1	46.0	62.4	62.4	91.9	121.5	141.2
87.5°	0.0	0.0	0.0	0.0	3.3	6.6	13.1	13.1	16.4	19.7	32.8
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°	14722.3	14722.3	14722.3	14722.3	14722.3	14722.3	14722.3	14722.3	14722.3	14722.3	14722.3
2.5°	14656.7	14554.9	14558.2	14577.9	14515.5	14420.3	14358.0	14279.2	14229.9	14220.1	14256.2
5°	14446.6	14328.4	14246.3	14161.0	13983.7	13773.7	13609.5	13474.9	13386.3	13353.5	13314.1
7.5°	14157.7	14003.4	13796.6	13557.0	13235.3	12861.1	12598.5	12352.3	12181.6	12132.4	12109.4
10°	13868.9	13645.6	13278.0	12831.6	12296.5	11791.0	11315.0	10950.7	10661.8	10497.7	10550.2
12.5°	13570.1	13294.4	12720.0	12033.9	11288.8	10527.2	9903.5	9299.5	8833.4	8600.3	8531.4
15°	13307.5	12933.3	12132.4	11203.4	10212.1	9253.6	8350.9	7444.9	6854.0	6532.3	6443.7
17.5°	13084.3	12598.5	11512.0	10356.5	9171.5	7805.9	6696.4	5856.1	5452.3	5275.1	5262.0
20°	12864.4	12270.2	10898.1	9444.0	7970.1	6440.4	5449.1	5055.2	4910.7	4848.4	4845.1
22.5°	12667.4	11925.6	10251.5	8531.4	6775.2	5413.0	4868.1	4697.4	4658.0	4658.0	4651.4
25°	12500.0	11580.9	9588.4	7563.0	5695.3	4818.8	4566.1	4493.8	4510.2	4539.8	4543.1
27.5°	12431.1	11311.7	8948.3	6568.4	4950.1	4474.1	4359.3	4349.4	4395.4	4441.3	4447.9
30°	12503.3	11127.9	8291.8	5616.5	4503.7	4264.1	4211.5	4231.2	4287.0	4333.0	4333.0
32.5°	12726.5	11036.0	7622.1	4920.6	4244.4	4116.3	4099.9	4119.6	4162.3	4188.6	4191.8
35°	13104.0	11072.1	6929.5	4451.2	4077.0	4008.0	4004.7	4017.9	4034.3	4050.7	4054.0
37.5°	13580.0	11233.0	6187.6	4178.7	3968.6	3929.2	3922.7	3919.4	3922.7	3922.7	3926.0
40°	14046.1	11475.9	5524.6	4017.9	3893.1	3860.3	3843.9	3820.9	3817.6	3811.1	3807.8
42.5°	14390.8	11663.0	4996.1	3903.0	3824.2	3784.8	3765.1	3729.0	3725.7	3722.4	3719.2
45°	14650.1	11820.5	4556.2	3791.4	3752.0	3715.9	3673.2	3640.4	3646.9	3653.5	3653.5
47.5°	14942.3	11958.4	4234.5	3686.3	3663.3	3627.2	3574.7	3551.7	3574.7	3597.7	3597.7
50°	15296.8	12152.1	3971.9	3581.3	3571.4	3528.8	3482.8	3473.0	3499.2	3532.0	3532.0
52.5°	15556.1	12319.5	3784.8	3476.2	3476.2	3420.4	3381.0	3377.8	3407.3	3440.1	3443.4
55°	16041.9	12710.1	3719.2	3354.8	3341.7	3299.0	3269.4	3246.5	3282.6	3312.1	3312.1
57.5°	16590.1	13228.8	3735.6	3180.8	3164.4	3151.3	3128.3	3102.0	3111.9	3144.7	3148.0
60°	15428.1	12224.3	3555.0	3006.8	2997.0	2990.4	2960.9	2914.9	2928.1	2954.3	2957.6
62.5°	10776.7	8124.4	2875.5	2790.2	2823.0	2819.7	2780.3	2727.8	2731.1	2767.2	2767.2
65°	5593.5	4395.4	2524.3	2593.2	2642.5	2622.8	2557.1	2511.2	2504.6	2550.6	2540.7
67.5°	2412.7	2399.6	2297.8	2386.4	2438.9	2396.3	2327.3	2251.8	2258.4	2274.8	2261.7
70°	1943.3	2002.4	2045.0	2140.2	2182.9	2104.1	2028.6	1986.0	1949.8	1946.6	1923.6
72.5°	1552.7	1634.7	1729.9	1828.4	1841.5	1762.7	1667.5	1628.2	1572.4	1569.1	1546.1
75°	1168.6	1237.5	1313.0	1391.8	1391.8	1316.3	1253.9	1234.2	1168.6	1148.9	1129.2
77.5°	797.7	840.3	899.4	919.1	938.8	909.3	846.9	814.1	738.6	718.9	692.6
80°	502.2	531.8	567.9	581.0	600.7	564.6	515.4	479.3	426.7	410.3	397.2
82.5°	302.0	321.7	344.7	351.2	367.6	341.4	295.4	269.2	239.6	226.5	216.6
85°	154.3	164.1	177.3	180.5	177.3	151.0	134.6	121.5	101.8	98.5	91.9
87.5°	39.4	46.0	49.2	46.0	42.7	32.8	23.0	16.4	6.6	6.6	3.3
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)