

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: P640340

Luminaire Tested: GWS-SA5D-760-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640340
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-760-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25813.9 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

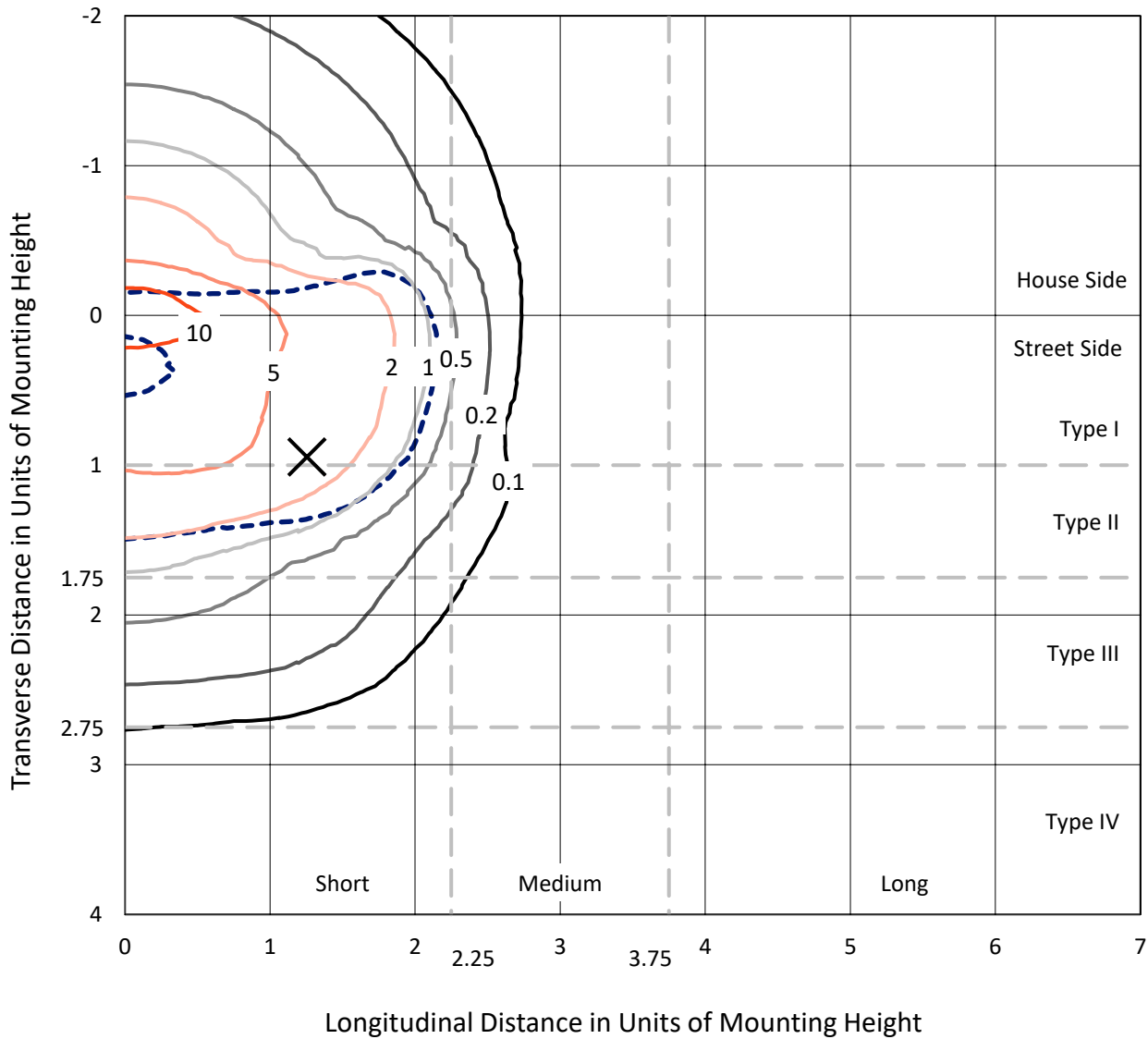
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

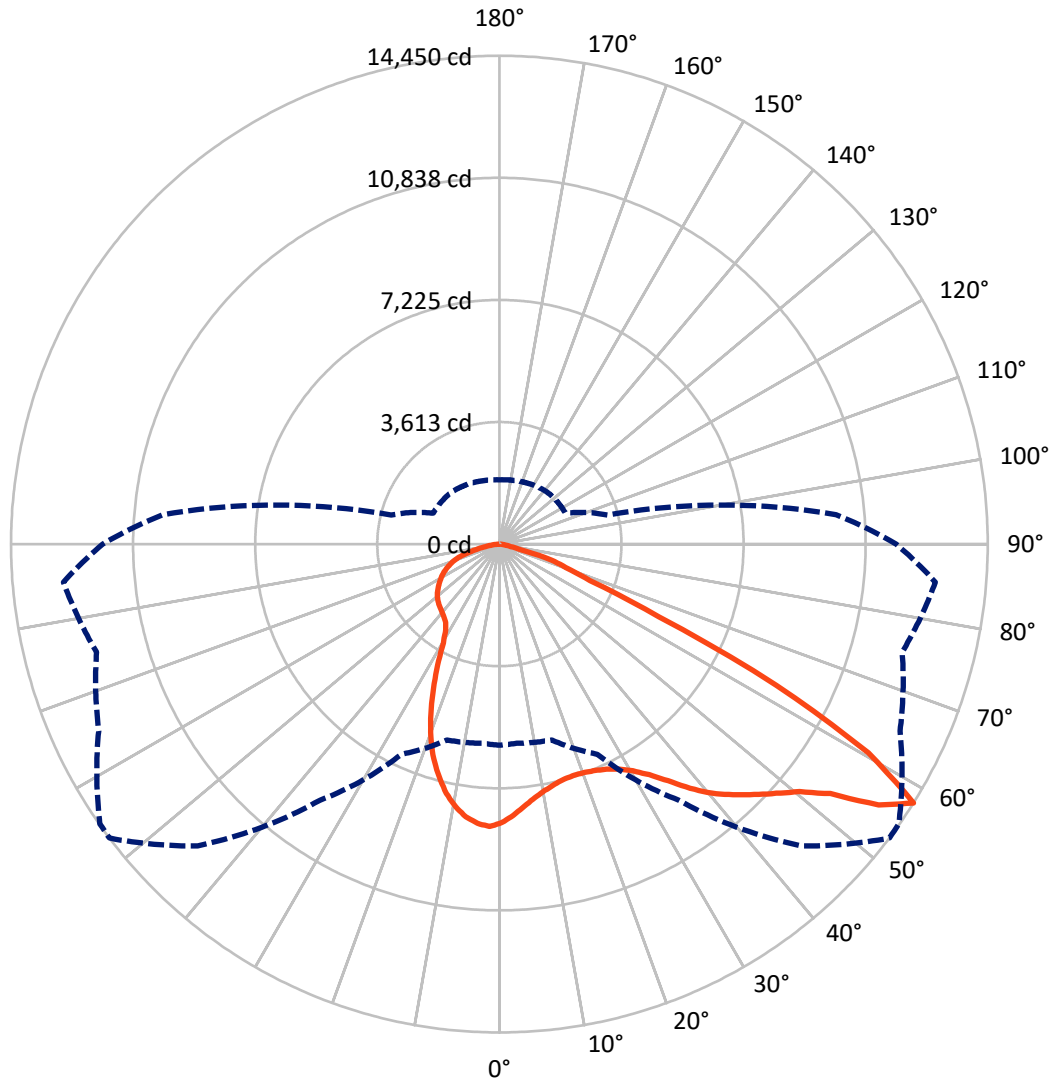
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8071.1	0.0	8071.1
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	17742.8	0.0	17742.8
	% Fixture	68.7	0.0	68.7
Total	Lumens	25813.9	0.0	25813.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	745.4	2.9
10°-20°	1955.6	7.6
20°-30°	2881.4	11.2
30°-40°	4033.1	15.6
40°-50°	5301.9	20.5
50°-60°	6216.4	24.1
60°-70°	3662.2	14.2
70°-80°	911.0	3.5
80°-90°	106.9	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°	25813.9	100.0
0°-180°	25813.9	100.0

Coefficient of Utilization



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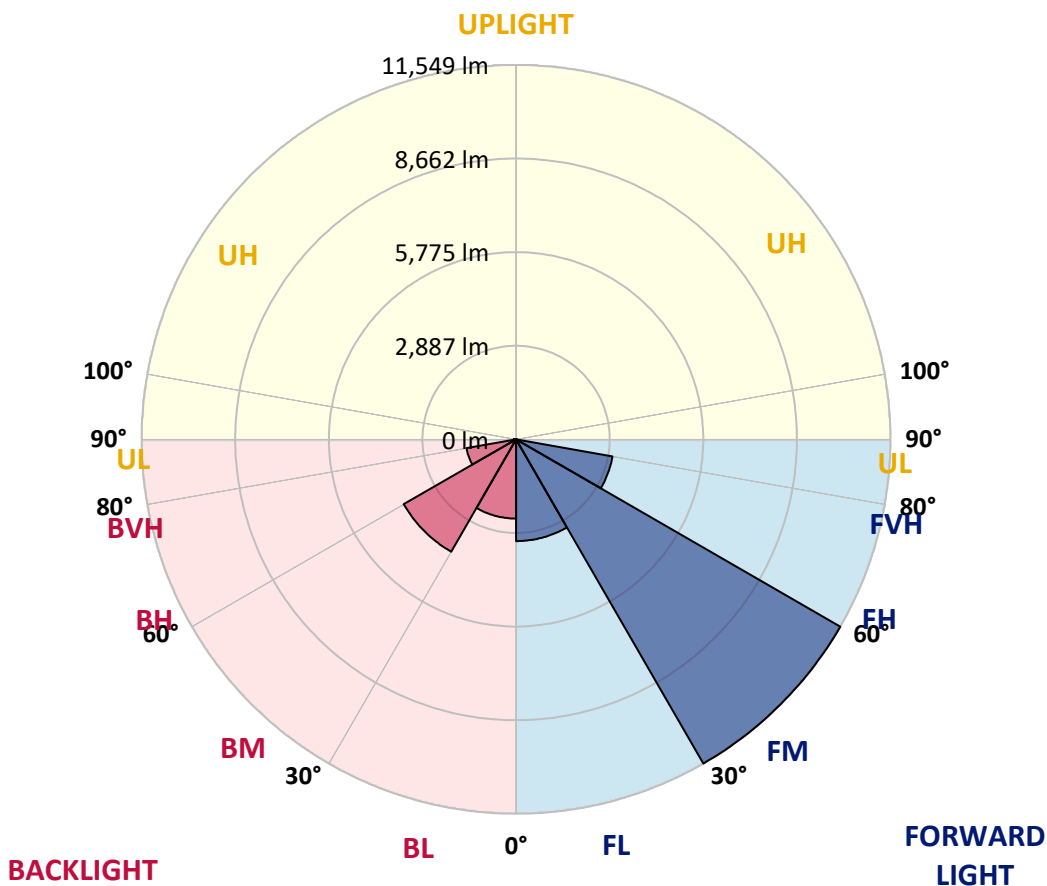
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3138.5	12.2			
FM (30°-60°)	11549.4	44.7			
FH (60°-80°)	3019.2	11.7			G2/5000
FVH (80°-90°)	35.8	0.1			G1/100
BL (0°-30°)	2444.0	9.5	B3/2500		
BM (30°-60°)	4002.0	15.5	B3/5000		
BH (60°-80°)	1553.9	6.0	B3/2500		G3/2500
BVH (80°-90°)	71.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	8243.1	8243.1	8243.1	8243.1	8243.1	8243.1	8243.1	8243.1	8243.1	8243.1	8243.1
2.5°	7769.4	7791.2	7795.5	7862.9	7867.2	7965.0	8030.2	8017.1	8084.5	8167.0	8232.2
5°	7397.9	7400.1	7421.8	7502.2	7545.7	7673.8	7782.5	7782.5	7912.8	8082.3	8227.9
7.5°	7091.6	7089.4	7108.9	7198.0	7269.7	7424.0	7571.7	7589.1	7771.6	8019.3	8256.1
10°	6806.9	6822.2	6843.9	6952.5	7043.8	7235.0	7410.9	7439.2	7669.5	7975.8	8295.2
12.5°	6624.4	6626.6	6659.2	6780.9	6898.2	7102.4	7287.1	7321.9	7586.9	7934.6	8323.5
15°	6507.1	6509.3	6544.1	6678.8	6815.6	7022.0	7211.1	7250.2	7539.1	7928.0	8377.8
17.5°	6455.0	6452.8	6485.4	6620.1	6770.0	6985.1	7187.2	7235.0	7560.9	7978.0	8473.4
20°	6455.0	6457.1	6474.5	6596.2	6748.3	6976.4	7211.1	7269.7	7645.6	8091.0	8621.1
22.5°	6546.2	6554.9	6563.6	6646.2	6765.7	6989.5	7274.1	7352.3	7828.1	8280.0	8814.5
25°	6724.4	6726.6	6735.2	6802.6	6856.9	7026.4	7378.4	7495.7	8112.7	8555.9	9057.8
27.5°	6963.4	6993.8	7002.5	7045.9	7045.9	7117.6	7541.3	7710.8	8497.3	8953.5	9368.5
30°	7298.0	7308.8	7324.0	7371.8	7319.7	7289.3	7780.3	7997.6	8942.7	9433.7	9742.2
32.5°	7591.3	7615.2	7697.7	7776.0	7682.5	7586.9	8132.3	8388.6	9370.7	9933.4	10139.8
35°	7841.1	7899.8	8058.4	8232.2	8167.0	8071.4	8599.4	8866.6	9722.7	10291.9	10491.8
37.5°	8143.1	8188.8	8406.0	8688.5	8747.1	8701.5	9168.6	9359.8	9957.3	10383.1	10683.0
40°	8449.5	8519.0	8799.3	9190.4	9414.1	9446.7	9694.4	9822.6	10037.7	10205.0	10646.0
42.5°	8762.3	8881.8	9266.4	9722.7	10120.3	10194.1	10137.6	10192.0	10011.6	9959.5	10474.4
45°	9144.7	9286.0	9720.5	10302.8	10826.4	10941.5	10572.2	10522.2	10007.3	9866.1	10367.9
47.5°	9596.6	9737.9	10152.8	10830.7	11499.9	11584.6	11017.6	10926.3	10159.4	10009.4	10511.3
50°	9996.4	10094.2	10465.7	11224.0	12127.8	12177.8	11508.6	11397.8	10537.4	10407.0	10958.9
52.5°	9590.1	9579.3	9970.3	10904.6	12453.7	13055.5	12264.7	12158.2	11267.4	11067.5	11652.0
55°	8136.6	8012.8	8362.6	9281.6	11543.3	13835.5	13620.4	13407.5	12240.8	11732.4	12301.6
57.5°	5948.7	5914.0	5998.7	6861.3	9246.8	12627.5	14450.4	14430.8	13081.6	12340.7	12949.1
60°	4651.7	4599.5	4373.6	4397.5	6302.9	9863.9	12540.6	13116.4	13603.0	12705.7	13401.0
62.5°	4130.2	4091.1	3973.8	3650.1	3754.4	6613.6	9192.5	9720.5	11886.6	11221.8	11510.8
65°	3419.8	3408.9	3506.7	3493.6	3146.0	3652.2	5188.3	5720.6	7474.0	7567.4	7474.0
67.5°	2485.5	2466.0	2713.7	3202.5	3028.7	2757.1	2891.8	3076.5	3832.6	3441.5	3098.2
70°	1616.5	1588.2	1731.6	2313.9	2711.5	2403.0	2083.6	2053.2	2107.5	1310.1	1416.6
72.5°	1084.2	1051.6	1049.4	1273.2	1638.2	1618.6	1614.3	1599.1	1427.4	1034.2	1147.2
75°	604.0	577.9	571.4	549.7	586.6	597.5	636.6	658.3	712.6	784.3	869.1
77.5°	102.1	99.9	126.0	160.8	221.6	284.6	352.0	371.5	458.4	543.2	597.5
80°	56.5	58.7	76.0	93.4	123.8	169.5	217.3	230.3	282.4	328.1	371.5
82.5°	30.4	30.4	39.1	50.0	67.4	89.1	117.3	128.2	162.9	191.2	221.6
85°	10.9	10.9	15.2	19.6	28.2	36.9	45.6	52.1	71.7	97.8	110.8
87.5°	0.0	0.0	0.0	0.0	2.2	4.3	8.7	8.7	10.9	19.6	28.2
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°	8243.1	8243.1	8243.1	8243.1	8243.1	8243.1	8243.1	8243.1	8243.1	8243.1	8243.1
2.5°	8286.5	8227.9	8308.3	8345.2	8358.2	8366.9	8310.4	8271.3	8258.3	8217.0	8193.1
5°	8316.9	8277.8	8353.9	8353.9	8299.6	8243.1	8127.9	8047.5	7991.0	7923.7	7912.8
7.5°	8369.1	8340.8	8382.1	8297.4	8160.5	8008.4	7808.5	7652.1	7526.1	7443.5	7445.7
10°	8438.6	8403.9	8371.3	8182.2	7932.4	7652.1	7345.8	7117.6	6909.1	6813.5	6761.3
12.5°	8484.2	8434.3	8297.4	7984.5	7617.3	7241.5	6809.1	6470.2	6168.2	6031.3	6020.4
15°	8540.7	8449.5	8175.7	7728.2	7217.6	6704.8	6148.6	5677.2	5268.7	5055.8	5044.9
17.5°	8614.6	8464.7	8030.2	7434.8	6796.1	6040.0	5340.4	4747.3	4312.7	4147.6	4175.9
20°	8718.9	8482.1	7865.0	7108.9	6272.5	5283.9	4412.7	3867.3	3700.0	3689.2	3667.5
22.5°	8836.2	8492.9	7682.5	6743.9	5638.1	4477.9	3645.7	3413.3	3411.1	3465.4	3478.4
25°	8968.7	8501.6	7476.1	6318.1	4951.5	3674.0	3224.2	3154.7	3209.0	3311.1	3324.2
27.5°	9138.2	8519.0	7226.3	5851.0	4221.5	3174.3	2991.8	2974.4	3039.6	3135.1	3130.8
30°	9388.1	8582.0	6961.2	5314.3	3471.9	2937.4	2850.5	2852.7	2878.8	2924.4	2930.9
32.5°	9642.3	8679.8	6702.7	4710.3	3041.7	2802.7	2763.6	2759.3	2759.3	2778.8	2783.2
35°	9883.4	8790.6	6422.4	4080.3	2833.1	2724.5	2698.4	2685.4	2678.9	2674.5	2668.0
37.5°	10018.1	8844.9	6148.6	3458.9	2722.3	2672.4	2646.3	2628.9	2605.0	2587.6	2583.3
40°	9959.5	8781.9	5831.4	2993.9	2655.0	2622.4	2592.0	2568.1	2535.5	2520.3	2511.6
42.5°	9763.9	8586.4	5486.0	2774.5	2600.7	2568.1	2531.2	2492.0	2470.3	2457.3	2455.1
45°	9557.5	8349.5	5068.8	2646.3	2548.5	2509.4	2466.0	2422.5	2398.6	2392.1	2389.9
47.5°	9551.0	8232.2	4625.6	2544.2	2485.5	2446.4	2392.1	2348.6	2322.6	2313.9	2305.2
50°	9837.8	8351.7	4125.9	2455.1	2420.3	2379.1	2318.2	2270.4	2237.8	2227.0	2224.8
52.5°	10433.1	8801.4	3678.3	2366.0	2333.4	2285.6	2235.7	2187.9	2148.8	2129.2	2127.0
55°	11076.2	9372.9	3400.2	2274.8	2231.3	2190.0	2144.4	2092.3	2048.8	2018.4	2014.1
57.5°	11741.1	9996.4	3315.5	2159.6	2127.0	2098.8	2044.5	1988.0	1938.0	1909.8	1903.3
60°	12288.6	10533.1	3474.1	2038.0	2020.6	1983.6	1933.7	1879.4	1844.6	1822.9	1818.5
62.5°	10287.5	8575.5	2804.9	1905.4	1905.4	1866.3	1809.8	1770.7	1746.8	1731.6	1727.3
65°	6528.8	5310.0	1914.1	1772.9	1770.7	1718.6	1670.8	1644.7	1633.8	1609.9	1605.6
67.5°	2844.0	2426.9	1636.0	1638.2	1629.5	1573.0	1525.2	1505.7	1483.9	1457.9	1455.7
70°	1475.2	1503.5	1464.4	1488.3	1473.1	1405.7	1360.1	1329.7	1284.0	1258.0	1260.1
72.5°	1190.6	1221.0	1264.5	1301.4	1268.8	1214.5	1142.8	1105.9	1047.2	1019.0	1021.2
75°	908.2	940.8	982.0	1021.2	995.1	927.7	882.1	845.2	777.8	745.2	751.7
77.5°	625.7	643.1	693.1	690.9	682.2	662.7	595.3	551.9	482.3	443.2	447.6
80°	388.9	399.8	423.7	434.5	430.2	404.1	349.8	317.2	275.9	252.0	254.2
82.5°	234.6	241.2	262.9	265.1	262.9	243.3	202.1	178.2	152.1	139.1	139.1
85°	119.5	123.8	136.9	136.9	123.8	104.3	93.4	82.6	67.4	60.8	60.8
87.5°	32.6	32.6	41.3	34.8	28.2	26.1	13.0	10.9	4.3	2.2	2.2
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)