

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: P640344

Luminaire Tested: GWS-SA5D-760-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640344
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-SA5D-760-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III 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: 25381.6 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

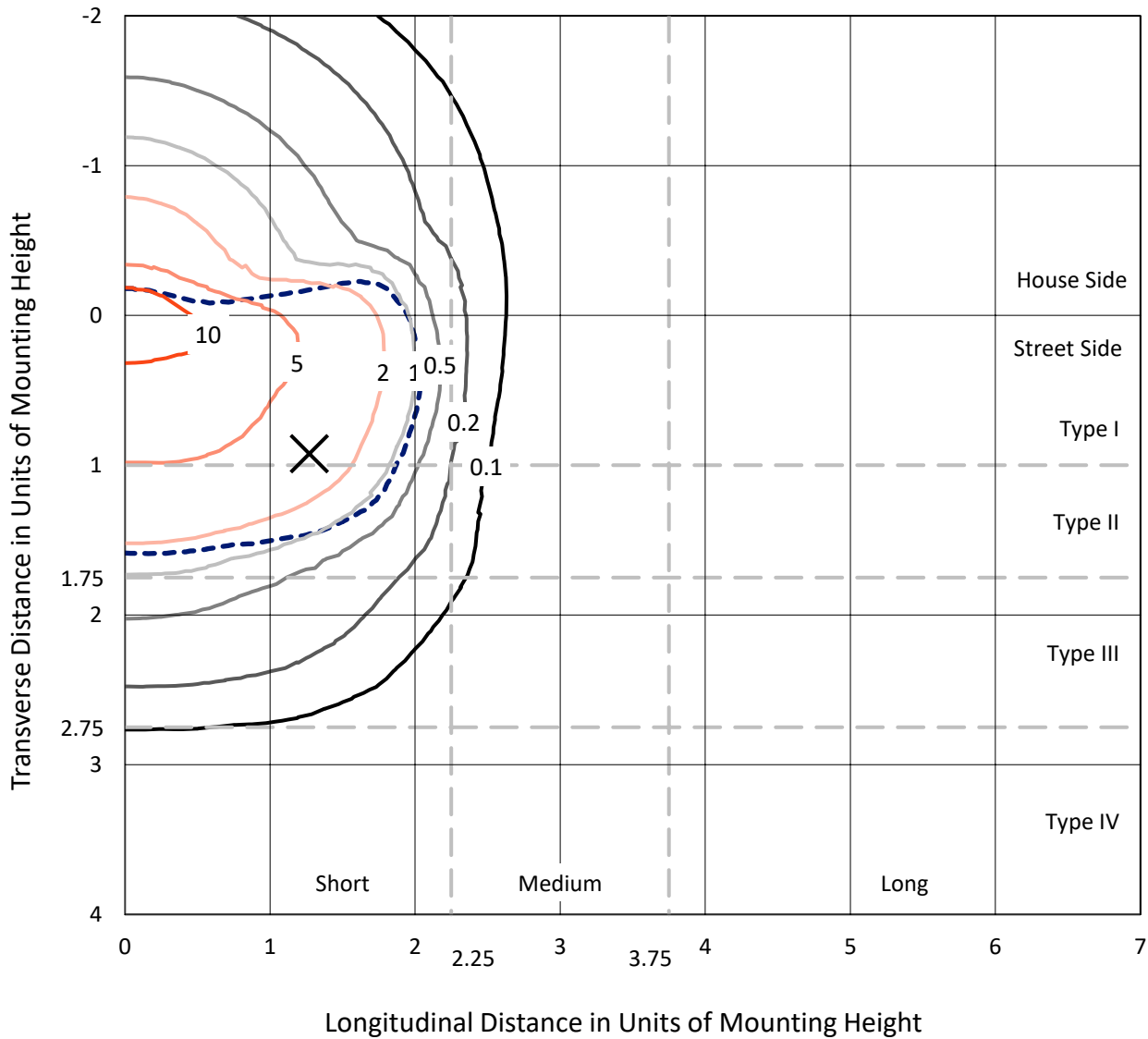
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

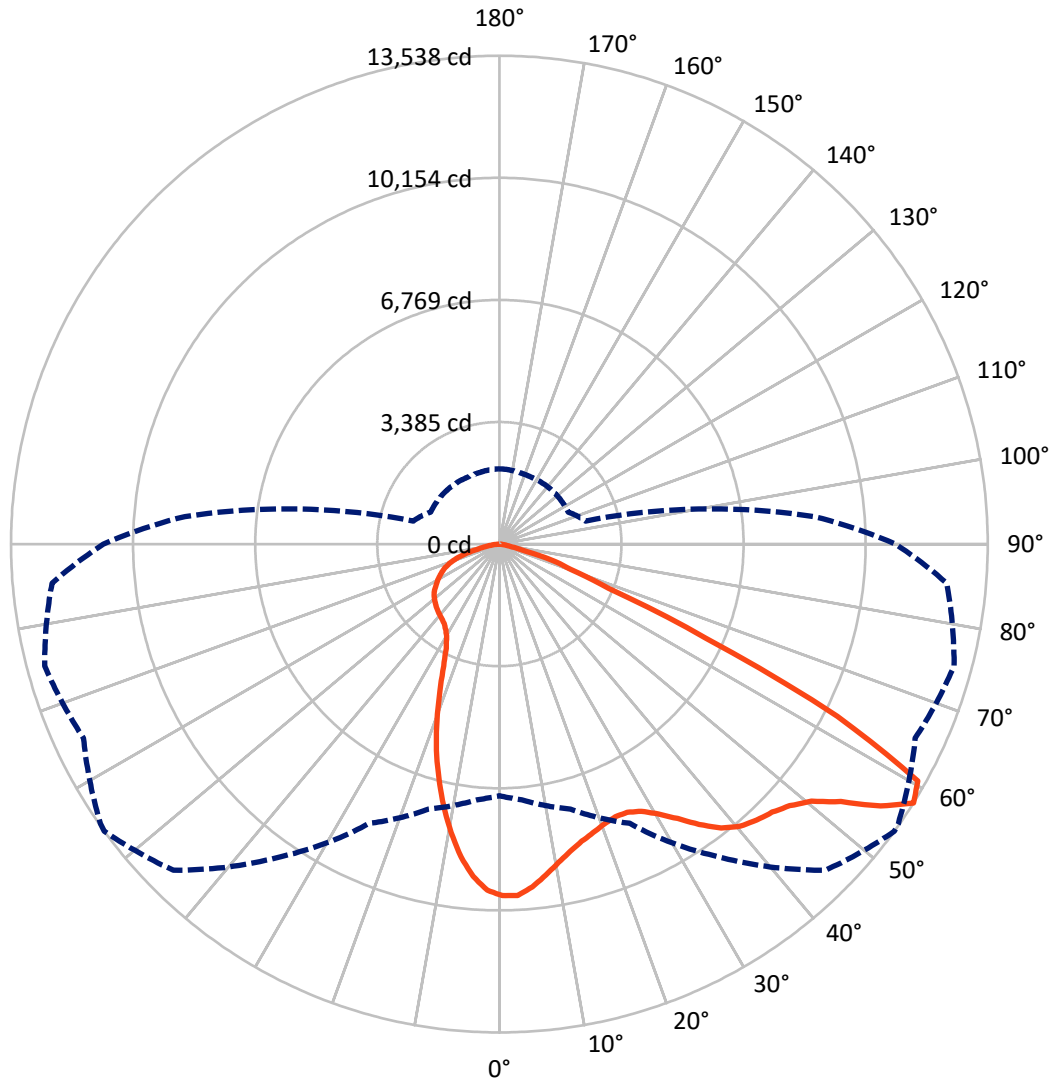
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.6 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	7378.7	0.0	7378.7
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	18002.9	0.0	18002.9
	% Fixture	70.9	0.0	70.9
Total	Lumens	25381.6	0.0	25381.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	856.5	3.4
10°-20°	2043.8	8.1
20°-30°	2828.3	11.1
30°-40°	3930.0	15.5
40°-50°	5190.3	20.4
50°-60°	6167.9	24.3
60°-70°	3417.1	13.5
70°-80°	850.9	3.4
80°-90°	96.8	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°	25381.6	100.0
0°-180°	25381.6	100.0

Coefficient of Utilization



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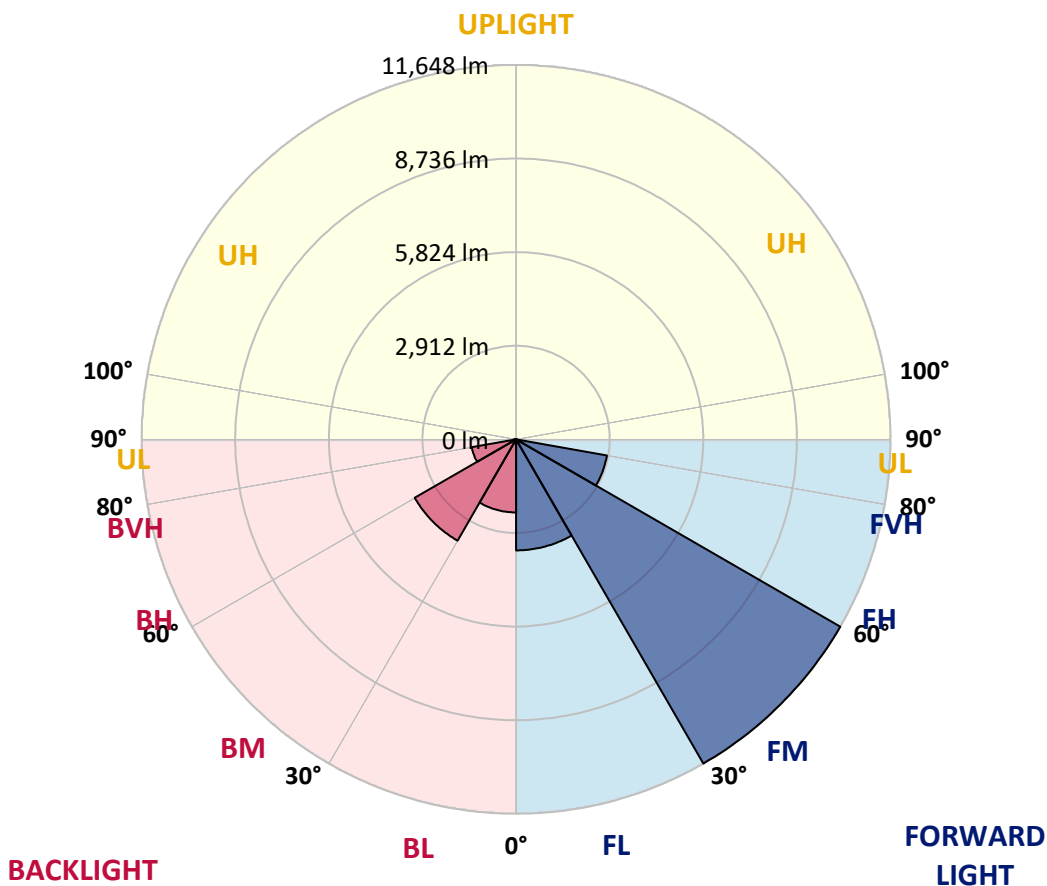
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3454.8	13.6			
FM (30°-60°)	11648.0	45.9			
FH (60°-80°)	2869.7	11.3			G2/5000
FVH (80°-90°)	30.3	0.1			G1/100
BL (0°-30°)	2273.8	9.0	B3/2500		
BM (30°-60°)	3640.1	14.3	B3/5000		
BH (60°-80°)	1398.3	5.5	B3/2500		G3/2500
BVH (80°-90°)	66.5	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°	54°	55°	65°	75°	85°
0°	9744.6	9744.6	9744.6	9744.6	9744.6	9744.6	9744.6	9744.6	9744.6	9744.6	9744.6
2.5°	9562.1	9581.6	9594.7	9640.3	9679.4	9714.2	9751.1	9751.1	9748.9	9742.4	9729.4
5°	9184.0	9205.7	9236.2	9299.2	9383.9	9444.7	9544.7	9553.4	9596.8	9614.2	9605.5
7.5°	8745.1	8751.6	8790.8	8873.3	9008.0	9116.7	9260.1	9277.4	9381.7	9442.6	9431.7
10°	8265.0	8243.2	8312.8	8434.4	8610.4	8792.9	8977.6	8992.8	9160.1	9275.3	9266.6
12.5°	7826.1	7828.2	7897.8	8045.5	8265.0	8490.9	8738.6	8773.4	8979.8	9127.5	9112.3
15°	7458.9	7467.6	7552.3	7719.6	7969.5	8238.9	8547.4	8580.0	8840.7	9036.3	8992.8
17.5°	7165.6	7174.3	7248.1	7439.3	7706.6	8032.5	8408.4	8441.0	8764.7	8997.2	8908.1
20°	6963.5	6959.2	7030.9	7213.4	7489.3	7843.5	8286.7	8334.5	8740.8	9012.4	8851.6
22.5°	6881.0	6878.8	6930.9	7080.8	7339.4	7697.9	8212.8	8278.0	8766.9	9079.7	8816.8
25°	6922.2	6913.5	6959.2	7070.0	7276.4	7641.4	8234.5	8304.1	8877.7	9218.8	8823.3
27.5°	7050.4	7039.6	7078.7	7178.6	7335.0	7700.1	8386.6	8467.0	9112.3	9473.0	8910.3
30°	7246.0	7239.4	7278.6	7374.2	7511.0	7895.6	8677.8	8769.0	9475.2	9868.4	9099.3
32.5°	7474.1	7463.2	7532.8	7643.6	7802.2	8251.9	9068.9	9188.4	9905.4	10376.8	9416.5
35°	7730.5	7721.8	7817.4	7978.2	8206.3	8747.3	9542.5	9672.9	10344.2	10952.6	9838.0
37.5°	7980.3	7980.3	8165.0	8404.0	8690.8	9286.1	9987.9	10070.5	10648.4	11463.2	10289.9
40°	8202.0	8215.0	8493.1	8851.6	9216.6	9772.8	10281.2	10350.8	10783.1	11815.2	10683.2
42.5°	8447.5	8458.3	8782.1	9251.4	9685.9	10166.1	10459.4	10494.2	10809.2	11991.1	10961.3
45°	8643.0	8658.2	9060.2	9562.1	10094.4	10461.6	10600.6	10631.0	10846.1	12086.7	11163.3
47.5°	8745.1	8766.9	9227.5	9811.9	10370.3	10726.6	10833.1	10846.1	10998.2	12254.0	11406.7
50°	8727.7	8771.2	9290.5	9935.8	10574.5	10993.9	11206.8	11228.5	11308.9	12499.6	11691.3
52.5°	8882.0	8901.6	9425.2	10083.5	10865.7	11487.1	11856.4	11886.9	11849.9	12684.2	11860.8
55°	8625.6	8719.1	9257.9	10061.8	11308.9	12249.7	12818.9	12803.7	12341.0	12890.6	12143.2
57.5°	6976.5	7113.4	7606.6	8540.9	10578.9	12784.2	13538.1	13501.2	12721.2	13049.3	12449.6
60°	4829.9	4851.6	5297.0	5959.7	8165.0	11293.7	13327.4	13407.7	12790.7	12849.4	11882.5
62.5°	3863.1	3856.5	3897.8	3915.2	5192.8	7939.1	10520.2	10813.5	10626.7	10011.8	8421.4
65°	3298.2	3322.1	3443.7	3380.7	3389.4	4471.4	6285.6	6326.9	6196.5	5974.9	4454.0
67.5°	2581.2	2622.5	2837.6	3083.1	3004.8	2878.8	3261.2	3241.7	2555.1	1977.2	1633.9
70°	1616.5	1642.6	1872.9	2420.4	2615.9	2363.9	2096.7	2088.0	1368.8	1125.5	1234.1
72.5°	943.0	947.3	1012.5	1349.2	1736.0	1616.5	1542.6	1486.1	879.9	897.3	984.2
75°	519.3	519.3	517.1	582.3	684.4	606.2	586.6	571.4	588.8	667.0	732.2
77.5°	108.6	110.8	117.3	154.3	199.9	243.3	306.4	308.5	384.6	445.4	497.5
80°	50.0	52.1	65.2	82.6	106.5	141.2	186.9	189.0	232.5	280.3	315.0
82.5°	26.1	28.2	34.8	43.5	56.5	73.9	104.3	104.3	139.1	165.1	186.9
85°	8.7	8.7	13.0	17.4	23.9	30.4	41.3	41.3	60.8	80.4	93.4
87.5°	0.0	0.0	0.0	0.0	2.2	4.3	8.7	8.7	10.9	13.0	21.7
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°	9744.6	9744.6	9744.6	9744.6	9744.6	9744.6	9744.6	9744.6	9744.6	9744.6	9744.6
2.5°	9701.1	9633.8	9635.9	9649.0	9607.7	9544.7	9503.4	9451.3	9418.7	9412.1	9436.0
5°	9562.1	9483.8	9429.5	9373.0	9255.7	9116.7	9008.0	8918.9	8860.3	8838.6	8812.5
7.5°	9370.9	9268.8	9131.9	8973.3	8760.3	8512.7	8338.8	8175.9	8062.9	8030.3	8015.1
10°	9179.7	9031.9	8788.6	8493.1	8138.9	7804.3	7489.3	7248.1	7056.9	6948.3	6983.1
12.5°	8982.0	8799.4	8419.2	7965.1	7471.9	6967.9	6555.0	6155.3	5846.7	5692.5	5646.9
15°	8808.1	8560.4	8030.3	7415.4	6759.3	6124.8	5527.4	4927.7	4536.6	4323.7	4265.0
17.5°	8660.4	8338.8	7619.7	6854.9	6070.5	5166.7	4432.3	3876.1	3608.9	3491.5	3482.8
20°	8514.8	8121.6	7213.4	6250.9	5275.3	4262.8	3606.7	3346.0	3250.4	3209.1	3206.9
22.5°	8384.5	7893.4	6785.4	5646.9	4484.5	3582.8	3222.1	3109.1	3083.1	3083.1	3078.7
25°	8273.7	7665.3	6346.5	5005.9	3769.6	3189.5	3022.2	2974.4	2985.3	3004.8	3007.0
27.5°	8228.0	7487.1	5922.8	4347.6	3276.4	2961.4	2885.3	2878.8	2909.2	2939.7	2944.0
30°	8275.8	7365.5	5488.2	3717.5	2980.9	2822.3	2787.6	2800.6	2837.6	2868.0	2868.0
32.5°	8423.6	7304.6	5045.0	3256.9	2809.3	2724.6	2713.7	2726.7	2755.0	2772.4	2774.5
35°	8673.4	7328.5	4586.6	2946.2	2698.5	2652.9	2650.7	2659.4	2670.3	2681.1	2683.3
37.5°	8988.5	7435.0	4095.5	2765.9	2626.8	2600.7	2596.4	2594.2	2596.4	2596.4	2598.6
40°	9297.0	7595.8	3656.7	2659.4	2576.8	2555.1	2544.2	2529.0	2526.9	2522.5	2520.3
42.5°	9525.1	7719.6	3306.9	2583.3	2531.2	2505.1	2492.1	2468.2	2466.0	2463.8	2461.7
45°	9696.8	7823.9	3015.7	2509.5	2483.4	2459.5	2431.3	2409.5	2413.9	2418.2	2418.2
47.5°	9890.1	7915.2	2802.8	2439.9	2424.7	2400.8	2366.1	2350.9	2366.1	2381.3	2381.3
50°	10124.8	8043.3	2629.0	2370.4	2363.9	2335.7	2305.2	2298.7	2316.1	2337.8	2337.8
52.5°	10296.4	8154.2	2505.1	2300.9	2300.9	2264.0	2237.9	2235.7	2255.3	2277.0	2279.2
55°	10618.0	8412.7	2461.7	2220.5	2211.8	2183.6	2164.0	2148.8	2172.7	2192.3	2192.3
57.5°	10980.8	8756.0	2472.5	2105.3	2094.5	2085.8	2070.6	2053.2	2059.7	2081.4	2083.6
60°	10211.7	8091.1	2353.0	1990.2	1983.7	1979.3	1959.8	1929.4	1938.1	1955.4	1957.6
62.5°	7133.0	5377.4	1903.3	1846.8	1868.5	1866.4	1840.3	1805.5	1807.7	1831.6	1831.6
65°	3702.3	2909.2	1670.8	1716.4	1749.0	1736.0	1692.5	1662.1	1657.8	1688.2	1681.7
67.5°	1596.9	1588.2	1520.9	1579.6	1614.3	1586.1	1540.4	1490.5	1494.8	1505.7	1497.0
70°	1286.2	1325.3	1353.6	1416.6	1444.8	1392.7	1342.7	1314.5	1290.6	1288.4	1273.2
72.5°	1027.7	1082.0	1145.0	1210.2	1218.9	1166.7	1103.7	1077.7	1040.7	1038.6	1023.3
75°	773.5	819.1	869.1	921.2	921.2	871.3	830.0	816.9	773.5	760.4	747.4
77.5°	528.0	556.2	595.3	608.4	621.4	601.8	560.6	538.8	488.9	475.8	458.4
80°	332.4	352.0	375.9	384.6	397.6	373.7	341.1	317.2	282.5	271.6	262.9
82.5°	199.9	212.9	228.1	232.5	243.3	226.0	195.5	178.2	158.6	149.9	143.4
85°	102.1	108.6	117.3	119.5	117.3	99.9	89.1	80.4	67.4	65.2	60.8
87.5°	26.1	30.4	32.6	30.4	28.2	21.7	15.2	10.9	4.3	4.3	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)