

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: P639348

Luminaire Tested: GWS-SA5B-760-U-RW-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639348  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5B-760-U-RW-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: (80) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18440.9 lumens  
Efficiency: N/A  
Efficacy: 159.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 115.7  
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

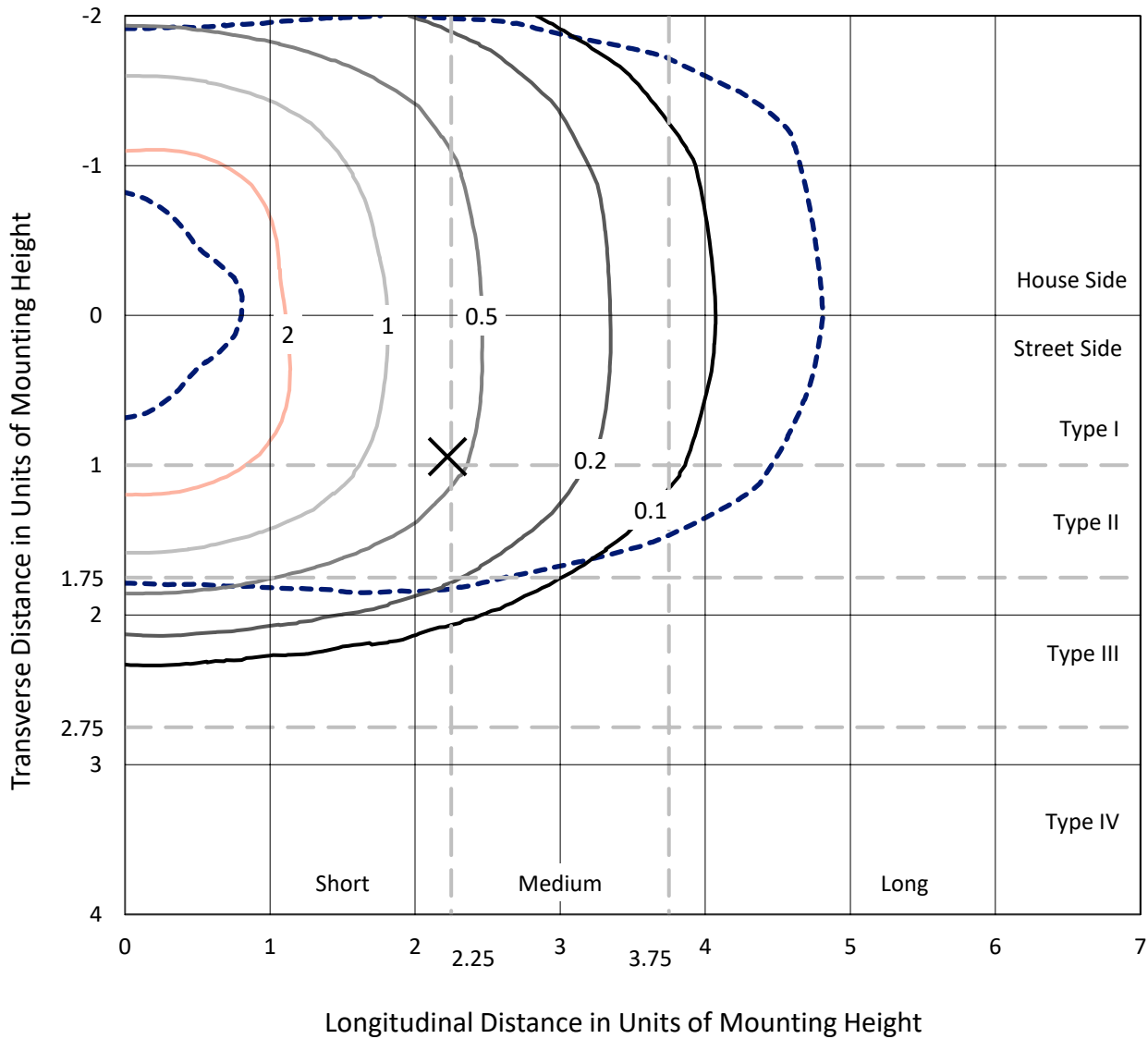


REPORT NUMBER: P639348

CATALOG NUMBER: GWS-SA5B-760-U-RW-W

### Iso-Footcandle Lines of Horizontal Illumination

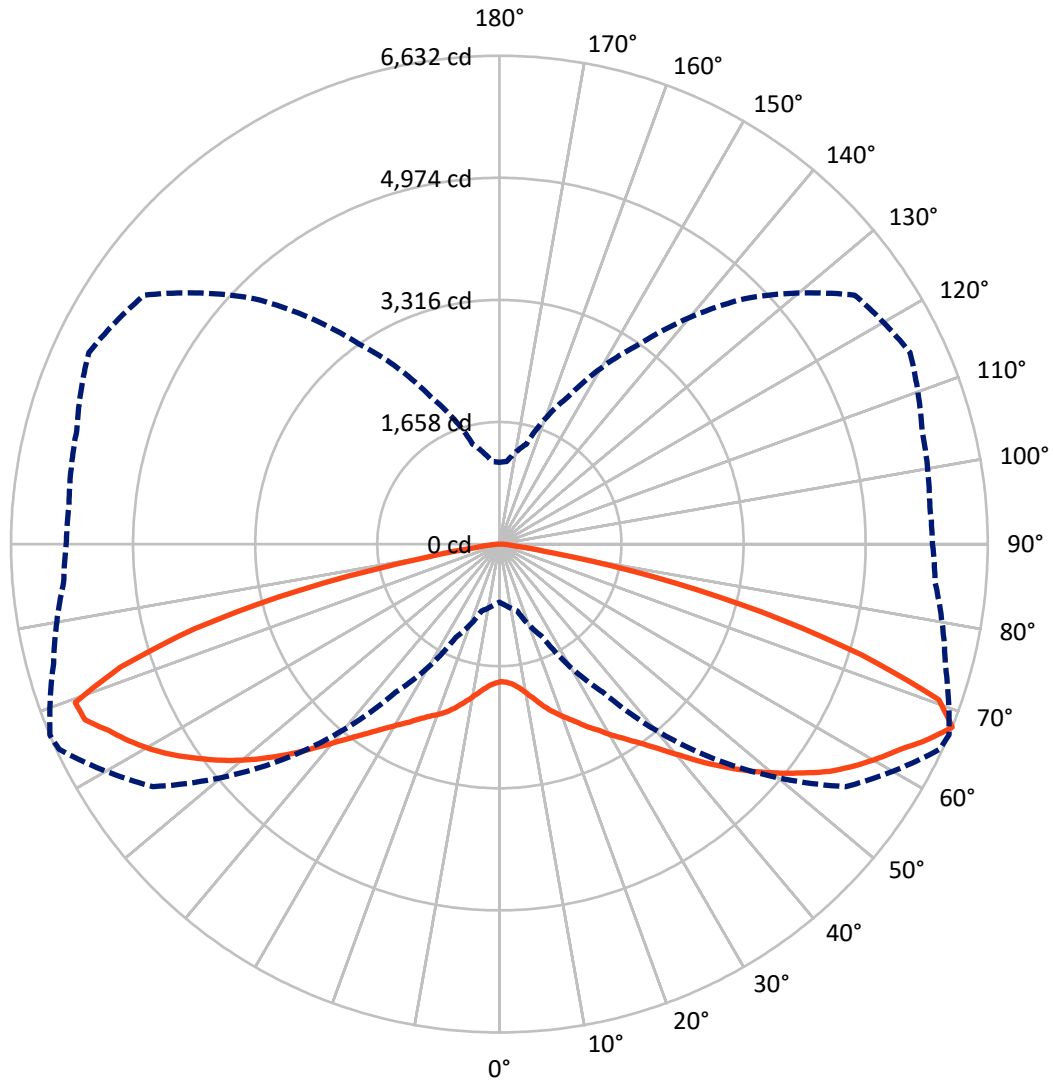
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc  
 Type III - Short - N/A

REPORT NUMBER: P639348  
CATALOG NUMBER: GWS-SA5B-760-U-RW-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P639348

CATALOG NUMBER: GWS-SA5B-760-U-RW-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9118.7	0.0	9118.7
	% Fixture	49.4	0.0	49.4
<b>Street Side</b>	Lumens	9322.2	0.0	9322.2
	% Fixture	50.6	0.0	50.6
<b>Total</b>	Lumens	18440.9	0.0	18440.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.2	1.0
10°-20°	618.9	3.4
20°-30°	1214.3	6.6
30°-40°	2068.8	11.2
40°-50°	3322.1	18.0
50°-60°	4514.0	24.5
60°-70°	4317.9	23.4
70°-80°	2052.9	11.1
80°-90°	148.8	0.8
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°	18440.9	100.0
0°-180°	18440.9	100.0

**Coefficient of Utilization**



REPORT NUMBER: P639348

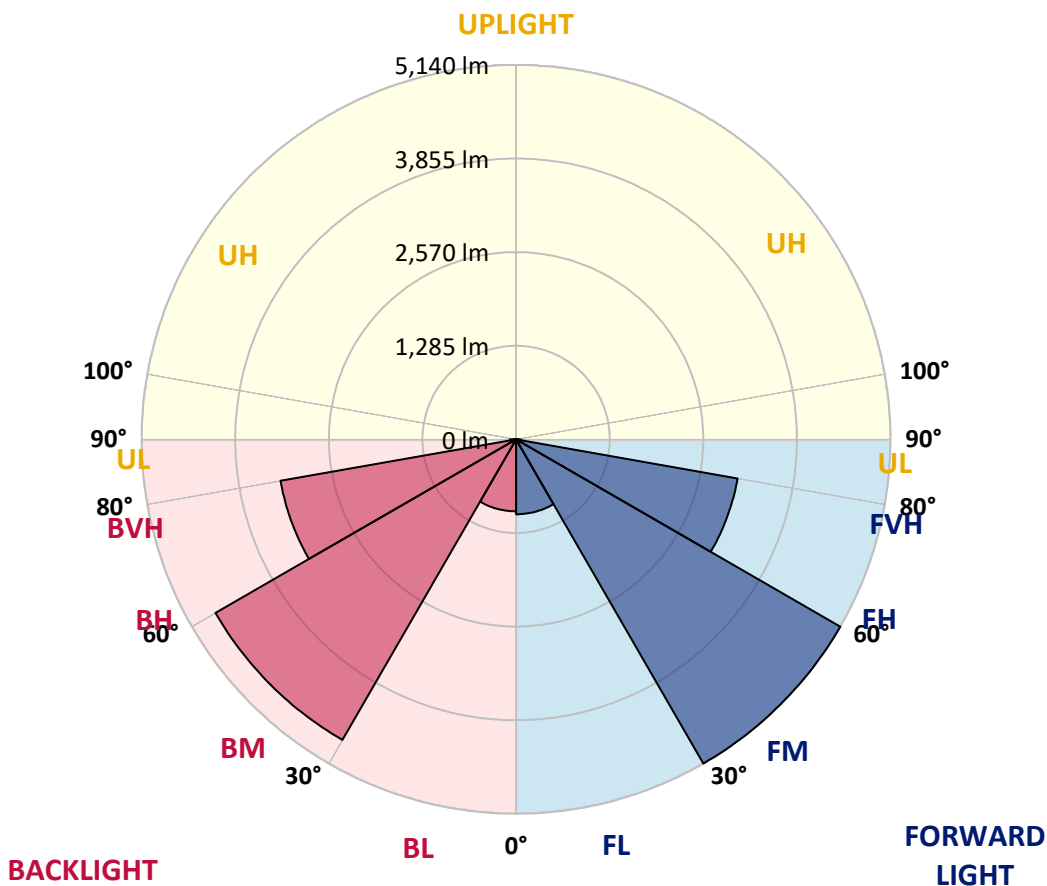
CATALOG NUMBER: GWS-SA5B-760-U-RW-W

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1028.2	5.6			
FM (30°-60°)	5139.6	27.9			
FH (60°-80°)	3087.5	16.7			G2/5000
FVH (80°-90°)	66.9	0.4			G1/100
BL (0°-30°)	988.2	5.4	B2/1000		
BM (30°-60°)	4765.2	25.8	B3/5000		
BH (60°-80°)	3283.4	17.8	B4/5000		G4/5000
BVH (80°-90°)	81.9	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type III Short





REPORT NUMBER: P639348  
 CATALOG NUMBER: GWS-SA5B-760-U-RW-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1867.2	1867.2	1867.2	1867.2	1867.2	1867.2	1867.2	1867.2	1867.2	1867.2	1867.2
2.5°	1828.7	1831.3	1835.1	1842.8	1850.5	1862.1	1873.7	1872.4	1877.5	1881.4	1885.2
5°	1818.4	1821.0	1827.4	1837.7	1849.3	1868.5	1892.9	1903.2	1910.9	1925.0	1937.9
7.5°	1840.3	1845.4	1854.4	1868.5	1886.5	1910.9	1944.3	1962.3	1973.8	1999.5	2021.3
10°	1869.8	1876.2	1894.2	1921.2	1948.1	1985.4	2027.8	2054.7	2062.4	2095.8	2136.9
12.5°	1898.1	1905.8	1935.3	1984.1	2032.9	2083.0	2133.1	2166.5	2169.0	2214.0	2260.2
15°	1943.0	1949.4	1989.2	2052.2	2126.7	2196.0	2257.6	2280.8	2291.0	2323.1	2380.9
17.5°	2041.9	2049.6	2101.0	2169.0	2247.4	2320.6	2382.2	2401.5	2401.5	2428.4	2476.0
20°	2148.5	2156.2	2224.3	2311.6	2406.6	2481.1	2528.6	2510.6	2504.2	2511.9	2545.3
22.5°	2267.9	2282.0	2347.5	2449.0	2565.9	2657.0	2681.4	2627.5	2609.5	2591.5	2599.2
25°	2420.7	2437.4	2501.6	2609.5	2723.8	2820.1	2834.3	2750.8	2740.5	2677.6	2654.5
27.5°	2596.7	2609.5	2689.1	2795.7	2902.3	2983.2	2998.6	2895.9	2861.2	2773.9	2720.0
30°	2824.0	2835.5	2904.9	3010.2	3102.7	3159.2	3178.4	3037.2	3010.2	2876.6	2793.2
32.5°	3071.8	3077.0	3147.6	3249.1	3331.2	3385.2	3358.2	3193.8	3154.0	3003.8	2889.5
35°	3355.6	3355.6	3446.8	3529.0	3594.5	3609.9	3558.6	3371.1	3324.8	3161.7	3019.2
37.5°	3634.3	3642.0	3726.8	3824.4	3882.2	3879.6	3785.9	3580.4	3527.7	3350.5	3192.6
40°	3936.1	3952.8	4037.6	4146.7	4201.9	4194.2	4050.4	3821.8	3767.9	3558.6	3404.4
42.5°	4213.5	4240.5	4339.4	4451.1	4511.4	4506.3	4356.0	4099.2	4046.6	3810.3	3656.2
45°	4434.4	4462.6	4585.9	4741.3	4837.6	4828.6	4677.1	4386.9	4322.7	4074.8	3905.3
47.5°	4628.3	4657.8	4795.2	4959.6	5112.4	5127.9	4989.2	4677.1	4609.0	4358.6	4167.3
50°	4777.3	4791.4	4945.5	5125.3	5302.5	5388.6	5267.8	4968.6	4886.4	4638.6	4422.8
52.5°	4765.7	4785.0	4975.0	5219.0	5456.6	5597.9	5514.4	5243.4	5163.8	4894.1	4683.5
55°	4530.7	4550.0	4776.0	5131.7	5542.7	5750.7	5741.7	5505.4	5447.6	5154.8	4954.5
57.5°	4187.8	4230.2	4454.9	4838.9	5429.6	5872.7	5908.7	5744.3	5683.9	5410.4	5222.9
60°	3574.0	3630.5	3889.9	4388.2	5067.5	5831.6	6087.2	5945.9	5908.7	5648.0	5465.6
62.5°	2596.7	2637.8	2983.2	3636.9	4530.7	5538.8	6237.4	6153.9	6125.7	5861.1	5685.2
65°	1555.2	1648.9	1926.3	2572.3	3654.9	4986.6	6155.2	6426.2	6396.7	6080.7	5872.7
67.5°	787.2	829.6	938.8	1394.7	2458.0	4126.2	5743.0	6595.7	6631.7	6268.2	5939.5
70°	488.0	499.6	530.4	688.3	1227.7	2711.0	4696.4	6153.9	6329.9	6238.7	5766.1
72.5°	391.7	394.3	399.4	428.9	589.5	1267.5	2969.1	4819.6	5136.8	5826.5	5518.3
75°	324.9	326.2	327.5	336.5	367.3	517.5	1444.7	3312.0	3683.1	4951.9	5116.3
77.5°	260.7	254.3	259.4	263.3	271.0	288.9	498.3	1767.1	2143.3	3250.3	3956.7
80°	169.5	166.9	177.2	181.1	188.8	200.3	265.8	599.7	728.1	1182.8	1258.5
82.5°	91.2	86.0	107.9	104.0	107.9	116.9	156.7	219.6	246.6	357.0	301.8
85°	28.3	28.3	29.5	34.7	42.4	41.1	68.1	107.9	119.4	152.8	113.0
87.5°	5.1	5.1	5.1	5.1	5.1	6.4	14.1	21.8	29.5	52.7	39.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P639348  
 CATALOG NUMBER: GWS-SA5B-760-U-RW-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1867.2	1867.2	1867.2	1867.2	1867.2	1867.2	1867.2	1867.2	1867.2	1867.2	1867.2
2.5°	1892.9	1881.4	1887.8	1891.6	1890.4	1887.8	1874.9	1872.4	1866.0	1855.7	1853.1
5°	1949.4	1936.6	1937.9	1934.0	1921.2	1904.5	1876.2	1862.1	1850.5	1837.7	1836.4
7.5°	2038.0	2023.9	2020.1	2002.1	1966.1	1927.6	1882.7	1857.0	1837.7	1821.0	1818.4
10°	2151.1	2136.9	2124.1	2081.7	2022.6	1971.3	1912.2	1874.9	1846.7	1826.1	1822.3
12.5°	2276.9	2265.3	2233.2	2171.6	2101.0	2040.6	1980.3	1934.0	1892.9	1862.1	1858.3
15°	2416.9	2391.2	2342.4	2262.8	2196.0	2147.2	2074.0	2011.1	1945.6	1904.5	1895.5
17.5°	2514.5	2492.7	2434.9	2357.8	2305.2	2262.8	2176.7	2086.8	1998.2	1937.9	1925.0
20°	2583.8	2560.7	2495.2	2438.7	2422.0	2386.1	2285.9	2181.9	2079.1	2004.7	1988.0
22.5°	2633.9	2609.5	2542.7	2514.5	2537.6	2531.2	2433.6	2315.4	2193.4	2104.8	2084.3
25°	2681.4	2658.3	2599.2	2609.5	2671.2	2690.4	2585.1	2447.7	2309.0	2205.0	2180.6
27.5°	2726.4	2696.8	2669.9	2726.4	2813.7	2849.7	2737.9	2582.5	2432.3	2325.7	2306.4
30°	2795.7	2761.1	2757.2	2839.4	2978.1	3008.9	2885.6	2730.2	2581.3	2473.4	2449.0
32.5°	2883.1	2851.0	2853.5	2976.8	3137.3	3163.0	3057.7	2912.6	2763.6	2655.7	2622.4
35°	3001.2	2961.4	2983.2	3134.8	3296.6	3344.1	3259.3	3138.6	2993.5	2883.1	2845.8
37.5°	3164.3	3106.5	3151.5	3310.7	3473.8	3544.4	3478.9	3389.0	3245.2	3133.5	3098.8
40°	3372.3	3324.8	3342.8	3518.7	3687.0	3771.7	3730.6	3642.0	3499.5	3382.6	3342.8
42.5°	3618.9	3571.4	3565.0	3752.5	3920.7	4049.1	4009.3	3928.4	3780.7	3647.2	3608.6
45°	3860.3	3816.7	3825.7	4017.0	4205.8	4345.8	4306.0	4210.9	4050.4	3896.3	3865.5
47.5°	4112.0	4076.1	4083.8	4286.7	4494.7	4634.7	4584.6	4469.1	4281.6	4117.2	4079.9
50°	4370.2	4329.1	4340.6	4553.8	4778.6	4910.8	4833.8	4663.0	4456.2	4295.7	4263.6
52.5°	4627.0	4578.2	4607.8	4809.4	5041.8	5147.1	5004.6	4797.8	4597.5	4438.2	4402.3
55°	4922.4	4871.0	4838.9	5054.7	5284.5	5328.2	5133.0	4891.6	4654.0	4472.9	4451.1
57.5°	5192.1	5148.4	5088.0	5303.8	5473.3	5441.2	5231.9	4865.9	4516.6	4284.1	4253.3
60°	5433.5	5396.3	5343.6	5527.2	5604.3	5532.4	5152.3	4561.5	4177.5	3934.8	3920.7
62.5°	5655.7	5615.9	5567.1	5723.7	5713.5	5546.5	4790.1	4094.1	3580.4	3319.7	3296.6
65°	5831.6	5795.6	5781.5	5904.8	5888.1	5270.4	4226.3	3328.7	2615.9	2321.9	2312.9
67.5°	5881.7	5867.6	5943.3	6152.7	5892.0	4715.6	3314.6	2207.6	1404.9	1126.3	1109.6
70°	5694.2	5692.9	5909.9	6209.2	5357.7	3602.2	1955.9	995.3	706.3	626.7	616.4
72.5°	5450.2	5446.3	5618.4	5356.4	3973.4	1971.3	823.2	532.9	441.8	419.9	419.9
75°	5049.5	5039.2	5169.0	4074.8	2234.5	742.3	436.6	366.0	346.7	342.9	342.9
77.5°	4115.9	4029.9	3825.7	2518.3	779.5	364.7	288.9	287.7	276.1	274.8	274.8
80°	1353.6	1353.6	1573.2	960.6	344.2	224.7	204.2	214.5	202.9	195.2	193.9
82.5°	220.9	304.4	432.8	274.8	186.2	140.0	125.9	133.6	140.0	111.7	111.7
85°	87.3	114.3	166.9	128.4	86.0	56.5	60.4	66.8	59.1	51.4	50.1
87.5°	33.4	41.1	59.1	30.8	18.0	10.3	6.4	6.4	5.1	5.1	5.1
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)