

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: P642764

Luminaire Tested: GWS-SA6D-750-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642764  
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-SA6D-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**

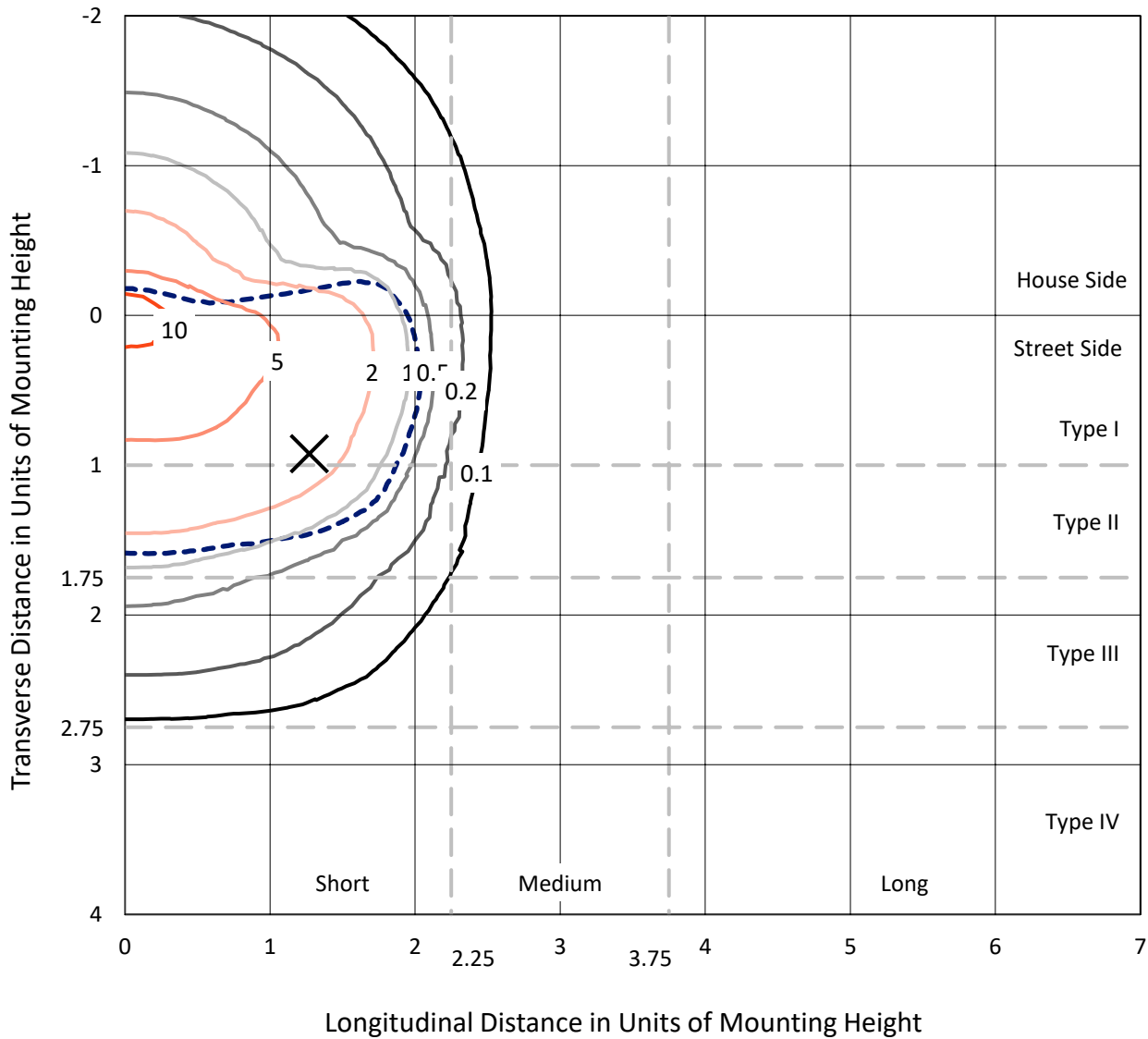
Lumens per Lamp: N/A  
Luminaire Lumens: 30686.3 lumens  
Efficiency: N/A  
Efficacy: 124.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G3  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

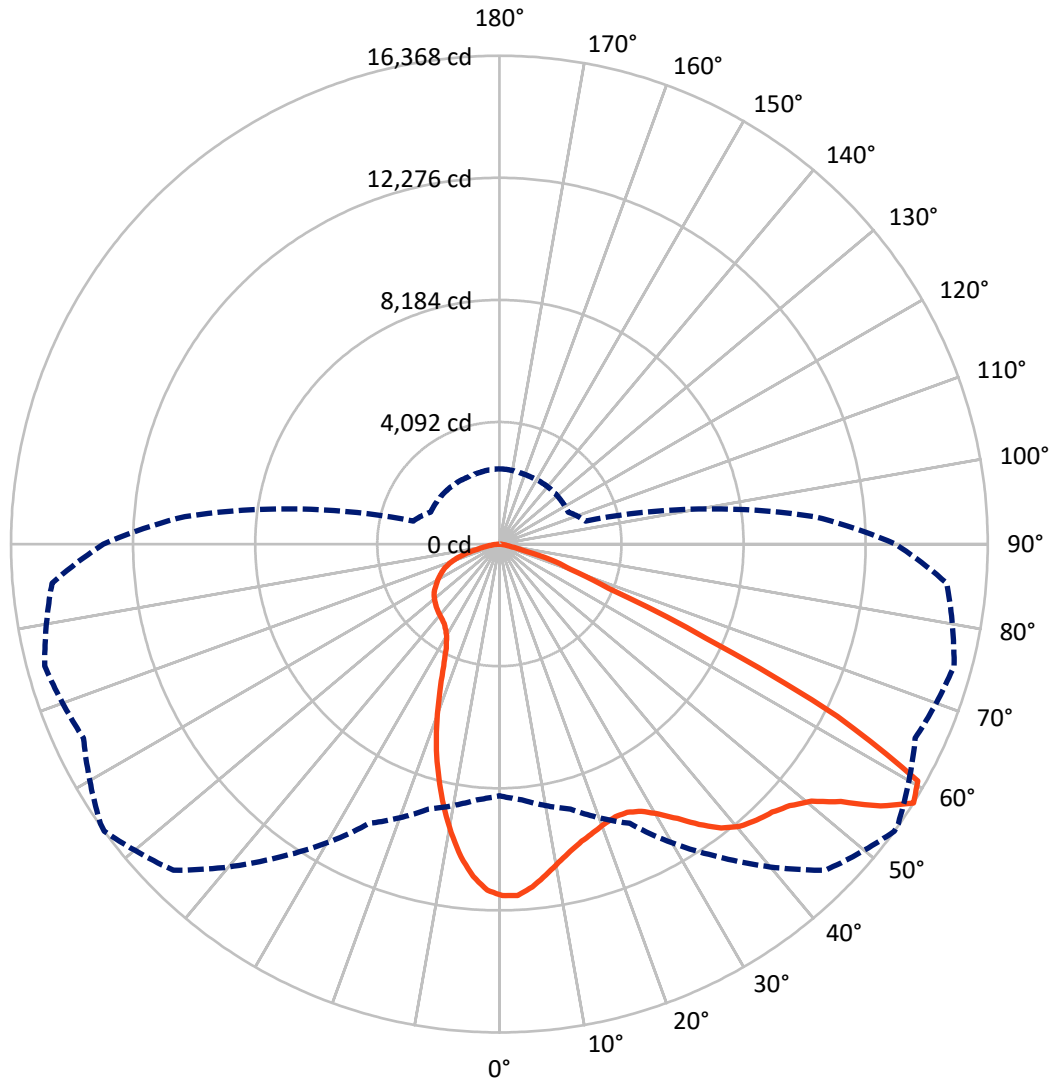


Based on 30 foot mounting height. Maximum calculated value = 13.1 fc  
 Type II - Short - N/A

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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
<b>House Side</b>	Lumens	8920.9	0.0	8920.9
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	21765.4	0.0	21765.4
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	30686.3	0.0	30686.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1035.5	3.4
10°-20°	2471.0	8.1
20°-30°	3419.4	11.1
30°-40°	4751.3	15.5
40°-50°	6275.0	20.4
50°-60°	7457.0	24.3
60°-70°	4131.3	13.5
70°-80°	1028.8	3.4
80°-90°	117.0	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°	30686.3	100.0
0°-180°	30686.3	100.0

**Coefficient of Utilization**



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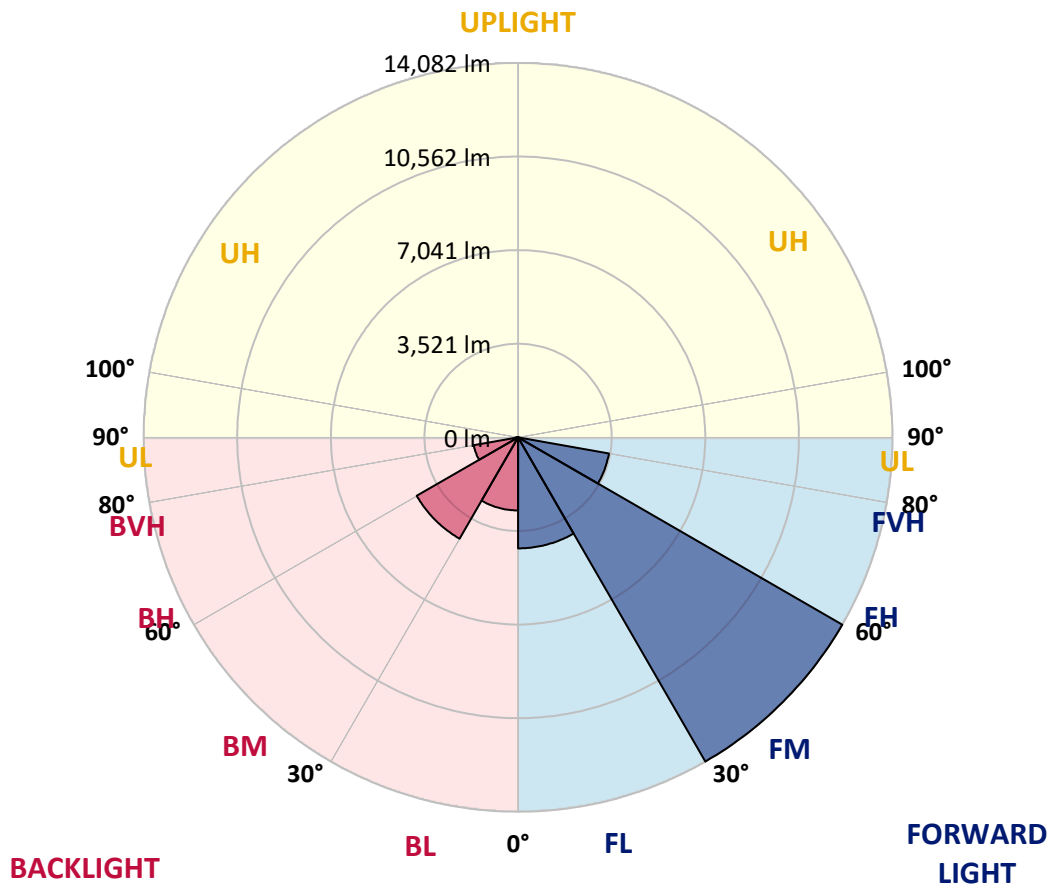
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4176.9	13.6			
FM (30°-60°)	14082.4	45.9			
FH (60°-80°)	3469.5	11.3			G2/5000
FVH (80°-90°)	36.6	0.1			G1/100
BL (0°-30°)	2749.0	9.0	B4/5000		
BM (30°-60°)	4400.9	14.3	B3/5000		
BH (60°-80°)	1690.6	5.5	B3/2500		G3/2500
BVH (80°-90°)	80.4	0.3			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°	54°	55°	65°	75°	85°
0°	11781.2	11781.2	11781.2	11781.2	11781.2	11781.2	11781.2	11781.2	11781.2	11781.2	11781.2
2.5°	11560.5	11584.2	11599.9	11655.1	11702.4	11744.4	11789.0	11789.0	11786.4	11778.5	11762.8
5°	11103.5	11129.7	11166.5	11242.7	11345.1	11418.7	11539.5	11550.0	11602.5	11623.6	11613.1
7.5°	10572.8	10580.7	10628.0	10727.8	10890.7	11022.0	11195.4	11216.4	11342.5	11416.0	11402.9
10°	9992.3	9966.1	10050.1	10197.2	10410.0	10630.6	10853.9	10872.3	11074.6	11213.8	11203.3
12.5°	9461.7	9464.3	9548.4	9727.0	9992.3	10265.5	10565.0	10607.0	10856.5	11035.2	11016.8
15°	9017.8	9028.3	9130.7	9333.0	9635.1	9960.8	10333.8	10373.2	10688.4	10924.8	10872.3
17.5°	8663.2	8673.7	8763.0	8994.1	9317.2	9711.3	10165.7	10205.1	10596.5	10877.6	10769.9
20°	8418.9	8413.6	8500.3	8721.0	9054.6	9482.7	10018.6	10076.4	10567.6	10895.9	10701.6
22.5°	8319.1	8316.4	8379.5	8560.7	8873.3	9306.7	9929.3	10008.1	10599.1	10977.4	10659.5
25°	8369.0	8358.5	8413.6	8547.6	8797.1	9238.4	9955.5	10039.6	10733.1	11145.5	10667.4
27.5°	8523.9	8510.8	8558.1	8678.9	8868.1	9309.4	10139.4	10236.6	11016.8	11452.8	10772.5
30°	8760.4	8752.5	8799.8	8915.3	9080.8	9545.8	10491.4	10601.7	11455.4	11930.9	11001.0
32.5°	9036.2	9023.0	9107.1	9241.1	9432.8	9976.6	10964.2	11108.7	11975.6	12545.6	11384.5
35°	9346.1	9335.6	9451.2	9645.6	9921.4	10575.5	11536.9	11694.5	12506.2	13241.7	11894.1
37.5°	9648.2	9648.2	9871.5	10160.4	10507.2	11226.9	12075.4	12175.2	12873.9	13859.0	12440.5
40°	9916.1	9931.9	10268.1	10701.6	11142.9	11815.3	12430.0	12514.0	13036.8	14284.5	12915.9
42.5°	10213.0	10226.1	10617.5	11184.9	11710.2	12290.8	12645.4	12687.4	13068.3	14497.3	13252.2
45°	10449.4	10467.8	10953.7	11560.5	12204.1	12648.0	12816.1	12852.9	13113.0	14612.9	13496.5
47.5°	10572.8	10599.1	11156.0	11862.6	12537.7	12968.5	13097.2	13113.0	13296.8	14815.1	13790.7
50°	10551.8	10604.4	11232.2	12012.3	12784.6	13291.6	13549.0	13575.3	13672.5	15111.9	14134.8
52.5°	10738.3	10762.0	11395.0	12190.9	13136.6	13887.9	14334.4	14371.2	14326.5	15335.2	14339.7
55°	10428.4	10541.3	11192.8	12164.7	13672.5	14809.9	15498.1	15479.7	14920.2	15584.8	14681.1
57.5°	8434.6	8600.1	9196.4	10325.9	12789.9	15456.1	16367.5	16322.9	15379.9	15776.5	15051.5
60°	5839.4	5865.6	6404.1	7205.3	9871.5	13654.1	16112.7	16209.9	15463.9	15534.9	14365.9
62.5°	4670.4	4662.6	4712.5	4733.5	6278.0	9598.3	12718.9	13073.5	12847.6	12104.3	10181.5
65°	3987.5	4016.4	4163.5	4087.3	4097.8	5405.9	7599.3	7649.2	7491.6	7223.7	5384.9
67.5°	3120.6	3170.5	3430.6	3727.4	3632.9	3480.5	3942.8	3919.2	3089.1	2390.4	1975.3
70°	1954.3	1985.9	2264.3	2926.2	3162.7	2858.0	2534.9	2524.3	1654.9	1360.7	1492.0
72.5°	1140.0	1145.3	1224.1	1631.2	2098.8	1954.3	1865.0	1796.7	1063.9	1084.9	1189.9
75°	627.8	627.8	625.2	704.0	827.4	732.9	709.2	690.8	711.9	806.4	885.2
77.5°	131.3	134.0	141.8	186.5	241.7	294.2	370.4	373.0	464.9	538.5	601.5
80°	60.4	63.0	78.8	99.8	128.7	170.7	225.9	228.5	281.1	338.9	380.9
82.5°	31.5	34.1	42.0	52.5	68.3	89.3	126.1	126.1	168.1	199.6	225.9
85°	10.5	10.5	15.8	21.0	28.9	36.8	49.9	49.9	73.6	97.2	113.0
87.5°	0.0	0.0	0.0	0.0	2.6	5.3	10.5	10.5	13.1	15.8	26.3
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°	11781.2	11781.2	11781.2	11781.2	11781.2	11781.2	11781.2	11781.2	11781.2	11781.2	11781.2
2.5°	11728.6	11647.2	11649.8	11665.6	11615.7	11539.5	11489.6	11426.6	11387.1	11379.3	11408.2
5°	11560.5	11466.0	11400.3	11332.0	11190.1	11022.0	10890.7	10783.0	10712.1	10685.8	10654.3
7.5°	11329.4	11205.9	11040.4	10848.7	10591.2	10291.8	10081.6	9884.6	9748.0	9708.6	9690.2
10°	11098.2	10919.6	10625.4	10268.1	9840.0	9435.4	9054.6	8763.0	8531.8	8400.5	8442.5
12.5°	10859.2	10638.5	10178.8	9629.8	9033.5	8424.1	7925.0	7441.7	7068.7	6882.2	6827.0
15°	10649.0	10349.6	9708.6	8965.2	8172.0	7404.9	6682.6	5957.6	5484.7	5227.3	5156.4
17.5°	10470.4	10081.6	9212.2	8287.5	7339.3	6246.5	5358.7	4686.2	4363.1	4221.3	4210.7
20°	10294.4	9819.0	8721.0	7557.3	6377.9	5153.8	4360.5	4045.3	3929.7	3879.8	3877.1
22.5°	10136.8	9543.1	8203.5	6827.0	5421.7	4331.6	3895.5	3758.9	3727.4	3727.4	3722.2
25°	10002.8	9267.3	7672.9	6052.1	4557.5	3856.1	3653.9	3596.1	3609.2	3632.9	3635.5
27.5°	9947.7	9051.9	7160.6	5256.2	3961.2	3580.3	3488.4	3480.5	3517.3	3554.1	3559.3
30°	10005.5	8904.8	6635.3	4494.4	3604.0	3412.2	3370.2	3385.9	3430.6	3467.4	3467.4
32.5°	10184.1	8831.3	6099.4	3937.6	3396.4	3294.0	3280.9	3296.6	3330.8	3351.8	3354.4
35°	10486.2	8860.2	5545.2	3561.9	3262.5	3207.3	3204.7	3215.2	3228.3	3241.5	3244.1
37.5°	10867.0	8988.9	4951.5	3343.9	3175.8	3144.3	3139.0	3136.4	3139.0	3139.0	3141.6
40°	11240.0	9183.3	4420.9	3215.2	3115.4	3089.1	3076.0	3057.6	3055.0	3049.7	3047.1
42.5°	11515.9	9333.0	3998.0	3123.3	3060.2	3028.7	3012.9	2984.0	2981.4	2978.8	2976.2
45°	11723.4	9459.1	3646.0	3033.9	3002.4	2973.5	2939.4	2913.1	2918.4	2923.6	2923.6
47.5°	11957.2	9569.4	3388.6	2949.9	2931.5	2902.6	2860.6	2842.2	2860.6	2879.0	2879.0
50°	12240.9	9724.4	3178.4	2865.8	2858.0	2823.8	2787.0	2779.1	2800.2	2826.4	2826.4
52.5°	12448.4	9858.4	3028.7	2781.8	2781.8	2737.1	2705.6	2703.0	2726.6	2752.9	2755.5
55°	12837.1	10170.9	2976.2	2684.6	2674.1	2639.9	2616.3	2597.9	2626.8	2650.4	2650.4
57.5°	13275.8	10586.0	2989.3	2545.4	2532.2	2521.7	2503.3	2482.3	2490.2	2516.5	2519.1
60°	12345.9	9782.2	2844.8	2406.1	2398.3	2393.0	2369.4	2332.6	2343.1	2364.1	2366.7
62.5°	8623.8	6501.3	2301.1	2232.8	2259.0	2256.4	2224.9	2182.9	2185.5	2214.4	2214.4
65°	4476.1	3517.3	2020.0	2075.2	2114.6	2098.8	2046.3	2009.5	2004.2	2041.0	2033.1
67.5°	1930.7	1920.2	1838.8	1909.7	1951.7	1917.6	1862.4	1802.0	1807.2	1820.4	1809.9
70°	1555.1	1602.3	1636.5	1712.7	1746.8	1683.8	1623.4	1589.2	1560.3	1557.7	1539.3
72.5°	1242.5	1308.1	1384.3	1463.1	1473.6	1410.6	1334.4	1302.9	1258.2	1255.6	1237.2
75°	935.1	990.3	1050.7	1113.8	1113.8	1053.3	1003.4	987.7	935.1	919.4	903.6
77.5°	638.3	672.5	719.7	735.5	751.3	727.6	677.7	651.4	591.0	575.3	554.3
80°	401.9	425.5	454.4	464.9	480.7	451.8	412.4	383.5	341.5	328.3	317.8
82.5°	241.7	257.4	275.8	281.1	294.2	273.2	236.4	215.4	191.8	181.2	173.4
85°	123.5	131.3	141.8	144.5	141.8	120.8	107.7	97.2	81.4	78.8	73.6
87.5°	31.5	36.8	39.4	36.8	34.1	26.3	18.4	13.1	5.3	5.3	2.6
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)