

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: P639866

Luminaire Tested: GWS-SA5C-760-U-T2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639866  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5C-760-U-T2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: (80) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

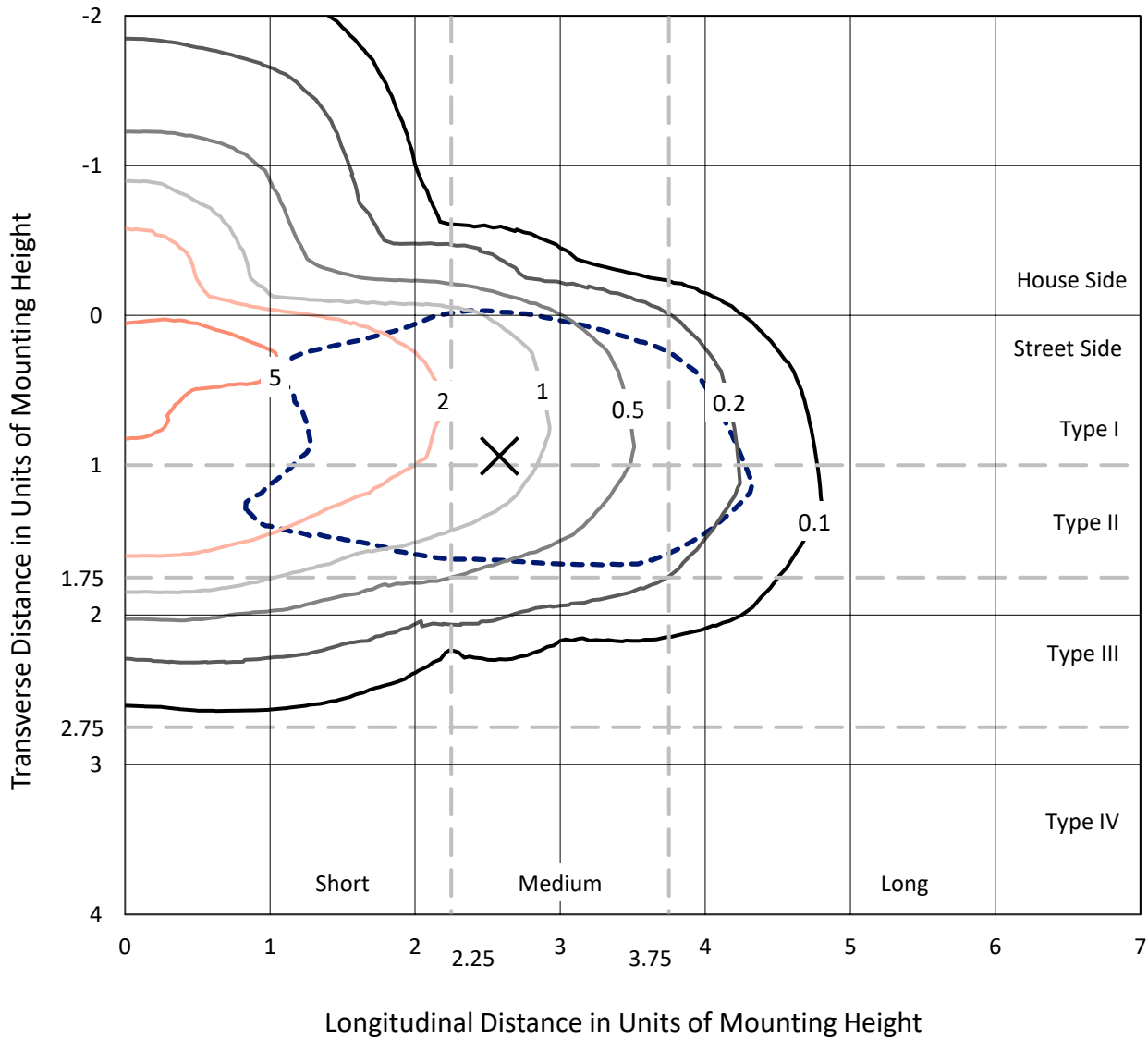
Lumens per Lamp: N/A  
Luminaire Lumens: 23835.7 lumens  
Efficiency: N/A  
Efficacy: 151.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 157.5  
Input Voltage (V): 120  
Input Current (Ain): 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

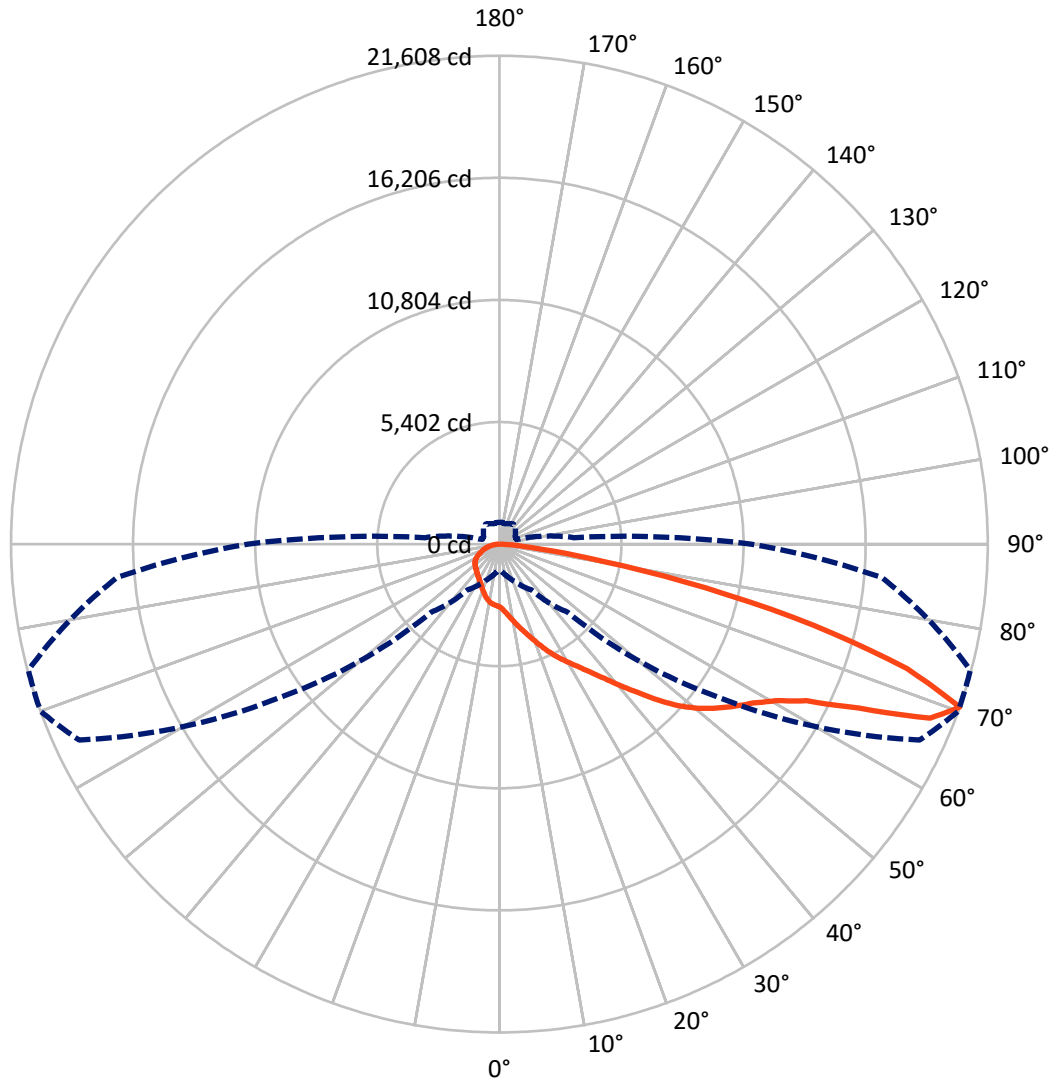
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4271.4	0.0	4271.4
	% Fixture	17.9	0.0	17.9
<b>Street Side</b>	Lumens	19564.3	0.0	19564.3
	% Fixture	82.1	0.0	82.1
<b>Total</b>	Lumens	23835.7	0.0	23835.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	282.5	1.2
10°-20°	919.1	3.9
20°-30°	1628.2	6.8
30°-40°	2450.4	10.3
40°-50°	3707.2	15.6
50°-60°	5310.7	22.3
60°-70°	5870.4	24.6
70°-80°	3312.8	13.9
80°-90°	354.4	1.5
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°	23835.7	100.0
0°-180°	23835.7	100.0

**Coefficient of Utilization**



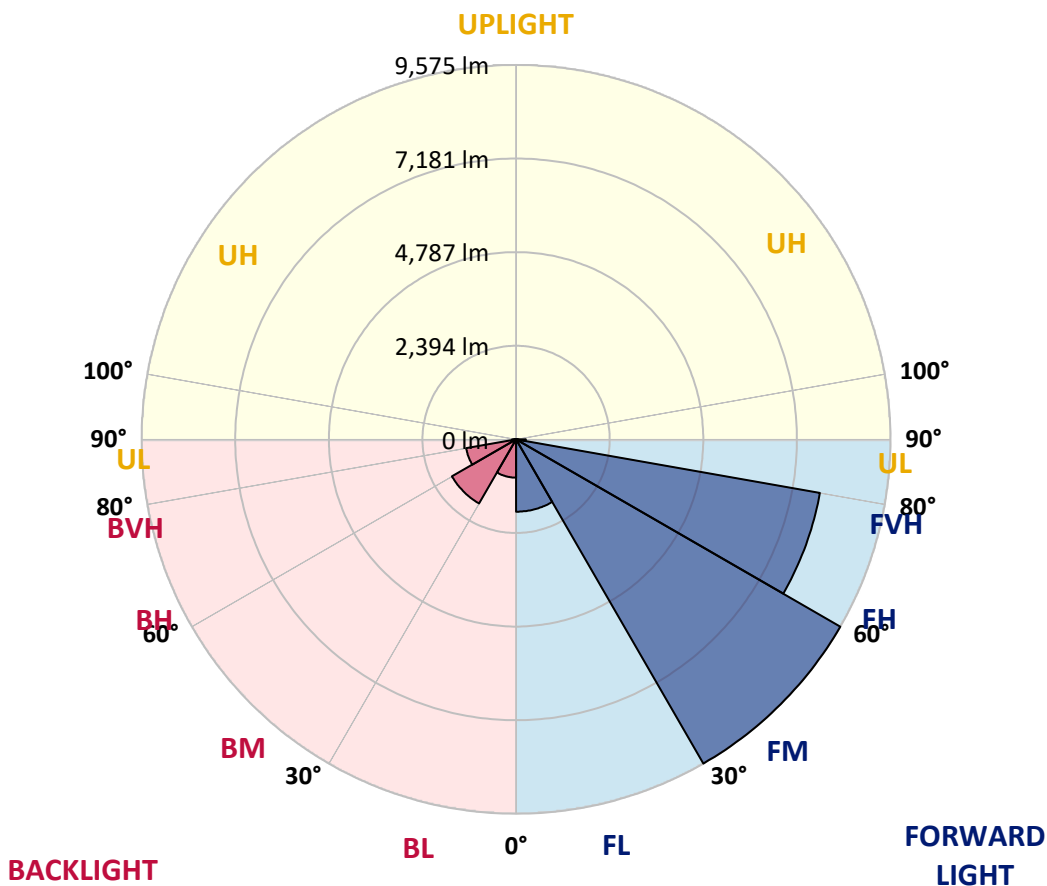
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1850.4	7.8			
FM (30°-60°)	9574.8	40.2			
FH (60°-80°)	7888.6	33.1			G4/12000
FVH (80°-90°)	250.5	1.1			G3/500
BL (0°-30°)	979.4	4.1	B2/1000		
BM (30°-60°)	1893.5	7.9	B2/2500		
BH (60°-80°)	1294.6	5.4	B3/2500		G3/2500
BVH (80°-90°)	103.9	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7
2.5°	3079.4	3074.2	3077.7	3074.2	3055.3	3008.8	2970.9	2922.7	2890.0	2871.0	2826.2
5°	3441.1	3435.9	3423.9	3406.6	3372.2	3308.5	3213.7	3108.7	3045.0	2996.7	2902.0
7.5°	3701.1	3701.1	3699.4	3678.8	3654.6	3587.5	3475.5	3337.8	3244.7	3162.1	3007.1
10°	3833.8	3842.4	3854.4	3883.7	3878.5	3842.4	3737.3	3589.2	3472.1	3375.6	3144.9
12.5°	3906.1	3911.3	3931.9	3992.2	4054.2	4062.8	4000.8	3845.8	3718.4	3589.2	3298.1
15°	3999.1	4000.8	4028.4	4100.7	4192.0	4283.3	4267.8	4112.8	3981.9	3838.9	3468.6
17.5°	4071.4	4083.5	4133.4	4217.8	4331.5	4457.2	4533.0	4436.6	4274.7	4111.0	3654.6
20°	4097.3	4105.9	4171.3	4300.5	4455.5	4632.9	4801.7	4775.8	4612.2	4419.3	3864.8
22.5°	4190.3	4190.3	4238.5	4347.0	4529.6	4787.9	5061.7	5128.9	4984.2	4758.6	4090.4
25°	4395.2	4388.3	4410.7	4455.5	4593.3	4911.9	5318.4	5519.9	5358.0	5104.8	4316.0
27.5°	4676.0	4672.5	4670.8	4677.7	4724.2	5020.4	5535.4	5885.0	5723.1	5437.2	4517.5
30°	4980.8	4970.5	4992.8	4972.2	4961.8	5149.6	5719.6	6212.2	6086.5	5766.1	4684.6
32.5°	5395.9	5376.9	5371.7	5304.6	5263.2	5351.1	5867.8	6584.2	6484.3	6120.9	4872.3
35°	5943.5	5926.3	5838.5	5731.7	5609.4	5650.8	6052.0	6947.6	6954.5	6565.3	5118.6
37.5°	6496.4	6499.8	6430.9	6179.5	6053.8	6029.7	6332.8	7390.2	7538.4	7095.7	5437.2
40°	6956.2	6976.9	6976.9	6711.7	6523.9	6501.6	6727.2	7915.5	8210.0	7746.7	5840.2
42.5°	7305.8	7324.8	7385.1	7193.9	6995.8	7073.3	7206.0	8442.5	8971.3	8551.0	6350.0
45°	7689.9	7705.4	7738.1	7627.9	7512.5	7719.2	7748.5	9072.9	9842.7	9453.5	6942.5
47.5°	8199.7	8185.9	8189.4	8108.4	8018.9	8353.0	8346.1	9603.4	10684.9	10442.1	7584.9
50°	8833.5	8859.3	8835.2	8675.1	8570.0	8874.8	8914.4	10190.6	11425.5	11420.3	8232.4
52.5°	9443.2	9453.5	9581.0	9587.9	9372.6	9308.8	9412.2	10783.1	12050.7	12315.9	8854.2
55°	9474.2	9513.8	9896.1	10171.7	10519.6	10008.1	9915.1	11348.0	12655.2	13192.6	9500.0
57.5°	8814.6	8878.3	9527.6	10121.8	11089.7	11208.5	10776.2	12078.2	13259.7	14055.4	10247.5
60°	7405.7	7538.4	8420.2	9329.5	10833.0	12071.4	12538.1	13070.3	14053.7	14937.2	11155.1
62.5°	4729.3	4781.0	6017.6	7540.1	9677.4	11987.0	14456.7	14818.4	15262.7	16086.0	12553.6
65°	2368.1	2533.5	3258.5	4500.3	6978.6	10562.7	15426.3	18020.1	17475.8	18052.8	14820.1
67.5°	1606.9	1660.3	2027.1	2704.0	4092.1	7483.2	14825.3	20717.1	20557.0	20651.7	17236.4
70°	1184.9	1219.4	1508.7	1915.2	2474.9	4248.8	11802.7	20513.9	21607.5	21573.1	16983.3
72.5°	864.6	881.8	1100.5	1462.2	1834.2	2197.6	7207.7	16571.6	18862.2	19856.0	14852.8
75°	628.6	649.3	764.7	1093.6	1426.0	1370.9	3558.2	11969.7	14384.4	16296.1	12100.6
77.5°	468.5	494.3	547.7	685.5	998.9	981.7	1538.0	7772.6	9303.7	10643.6	7350.6
80°	337.6	342.7	373.7	439.2	633.8	575.2	732.0	4052.5	4646.7	5091.0	2881.3
82.5°	204.9	210.1	249.7	270.4	392.7	361.7	380.6	1312.4	1880.7	1996.1	1076.4
85°	60.3	63.7	113.7	124.0	163.6	155.0	153.3	533.9	637.2	814.6	423.7
87.5°	0.0	0.0	0.0	0.0	1.7	10.3	18.9	94.7	142.9	198.1	103.3
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°	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7
2.5°	2809.0	2769.4	2748.7	2712.6	2686.7	2660.9	2635.1	2611.0	2600.6	2585.1	2588.6
5°	2859.0	2797.0	2735.0	2664.3	2604.1	2554.1	2509.3	2469.7	2452.5	2437.0	2443.9
7.5°	2934.7	2841.7	2722.9	2593.7	2499.0	2430.1	2383.6	2356.1	2347.4	2335.4	2335.4
10°	3031.2	2891.7	2683.3	2499.0	2385.3	2330.2	2309.6	2307.8	2316.4	2318.2	2314.7
12.5°	3138.0	2939.9	2624.7	2387.1	2290.6	2273.4	2288.9	2318.2	2347.4	2362.9	2359.5
15°	3248.2	2970.9	2524.8	2280.3	2221.7	2244.1	2294.1	2352.6	2409.4	2438.7	2437.0
17.5°	3351.5	2977.8	2395.7	2176.9	2161.4	2218.3	2304.4	2395.7	2473.2	2514.5	2516.2
20°	3466.9	2965.7	2263.1	2083.9	2101.2	2194.2	2307.8	2418.1	2509.3	2550.7	2561.0
22.5°	3572.0	2924.4	2133.9	1996.1	2049.5	2164.9	2280.3	2383.6	2464.6	2504.2	2518.0
25°	3666.7	2845.2	1992.7	1922.0	2009.9	2123.6	2211.4	2283.7	2340.6	2364.7	2383.6
27.5°	3718.4	2726.3	1885.9	1863.5	1972.0	2065.0	2113.2	2135.6	2154.6	2147.7	2161.4
30°	3728.7	2578.2	1792.9	1817.0	1915.2	1984.0	1994.4	1972.0	1939.3	1885.9	1897.9
32.5°	3718.4	2407.7	1715.4	1767.0	1851.4	1892.8	1879.0	1820.4	1741.2	1658.5	1663.7
35°	3721.8	2235.5	1651.7	1711.9	1777.4	1799.8	1765.3	1684.4	1600.0	1524.2	1520.8
37.5°	3759.7	2090.8	1598.3	1658.5	1705.0	1708.5	1670.6	1586.2	1543.1	1486.3	1479.4
40°	3864.8	1984.0	1550.0	1605.2	1634.4	1632.7	1589.7	1529.4	1558.7	1539.7	1534.5
42.5°	4037.0	1918.6	1510.4	1548.3	1569.0	1572.4	1538.0	1500.1	1563.8	1539.7	1531.1
45°	4314.3	1915.2	1482.9	1491.5	1524.2	1548.3	1524.2	1481.1	1505.3	1388.1	1365.8
47.5°	4643.2	1973.7	1462.2	1441.5	1498.4	1541.4	1503.5	1434.6	1384.7	1277.9	1262.4
50°	5039.3	2092.6	1443.3	1388.1	1460.5	1515.6	1477.7	1383.0	1307.2	1250.4	1241.8
52.5°	5509.5	2249.3	1419.1	1327.9	1403.6	1501.8	1477.7	1377.8	1277.9	1226.3	1217.6
55°	6002.1	2430.1	1391.6	1255.5	1339.9	1505.3	1489.8	1341.6	1255.5	1228.0	1221.1
57.5°	6613.5	2647.1	1341.6	1171.1	1283.1	1474.3	1441.5	1321.0	1240.0	1217.6	1210.8
60°	7407.5	2969.2	1246.9	1085.0	1217.6	1419.1	1398.5	1286.5	1198.7	1179.8	1174.6
62.5°	8664.7	3515.1	1131.5	1002.4	1140.1	1303.8	1334.8	1221.1	1147.0	1145.3	1143.6
65°	10714.2	4171.3	995.5	928.3	1059.2	1209.0	1250.4	1153.9	1093.6	1112.6	1110.9
67.5°	12150.6	4228.2	883.5	850.8	964.5	1105.7	1166.0	1085.0	1019.6	1055.7	1054.0
70°	11129.3	3298.1	787.1	769.9	862.9	993.7	1074.7	998.9	933.5	967.9	961.0
72.5°	9386.3	2528.3	695.8	685.5	759.5	876.6	957.6	912.8	843.9	843.9	828.4
75°	7543.5	2085.7	599.3	594.2	644.1	757.8	849.1	773.3	709.6	706.1	695.8
77.5°	4326.3	1367.5	502.9	499.5	515.0	633.8	659.6	644.1	595.9	573.5	566.6
80°	1724.0	711.3	396.1	373.7	389.2	465.0	520.1	494.3	453.0	425.4	409.9
82.5°	668.2	356.5	279.0	244.6	267.0	335.8	377.2	368.6	341.0	279.0	261.8
85°	272.1	173.9	167.1	141.2	155.0	180.8	217.0	187.7	155.0	110.2	105.1
87.5°	72.3	63.7	62.0	37.9	29.3	8.6	1.7	0.0	0.0	0.0	0.0
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)