

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: P635775

Luminaire Tested: GWS-SA3E-740-U-SL2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635775  
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-SA3E-740-U-SL2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

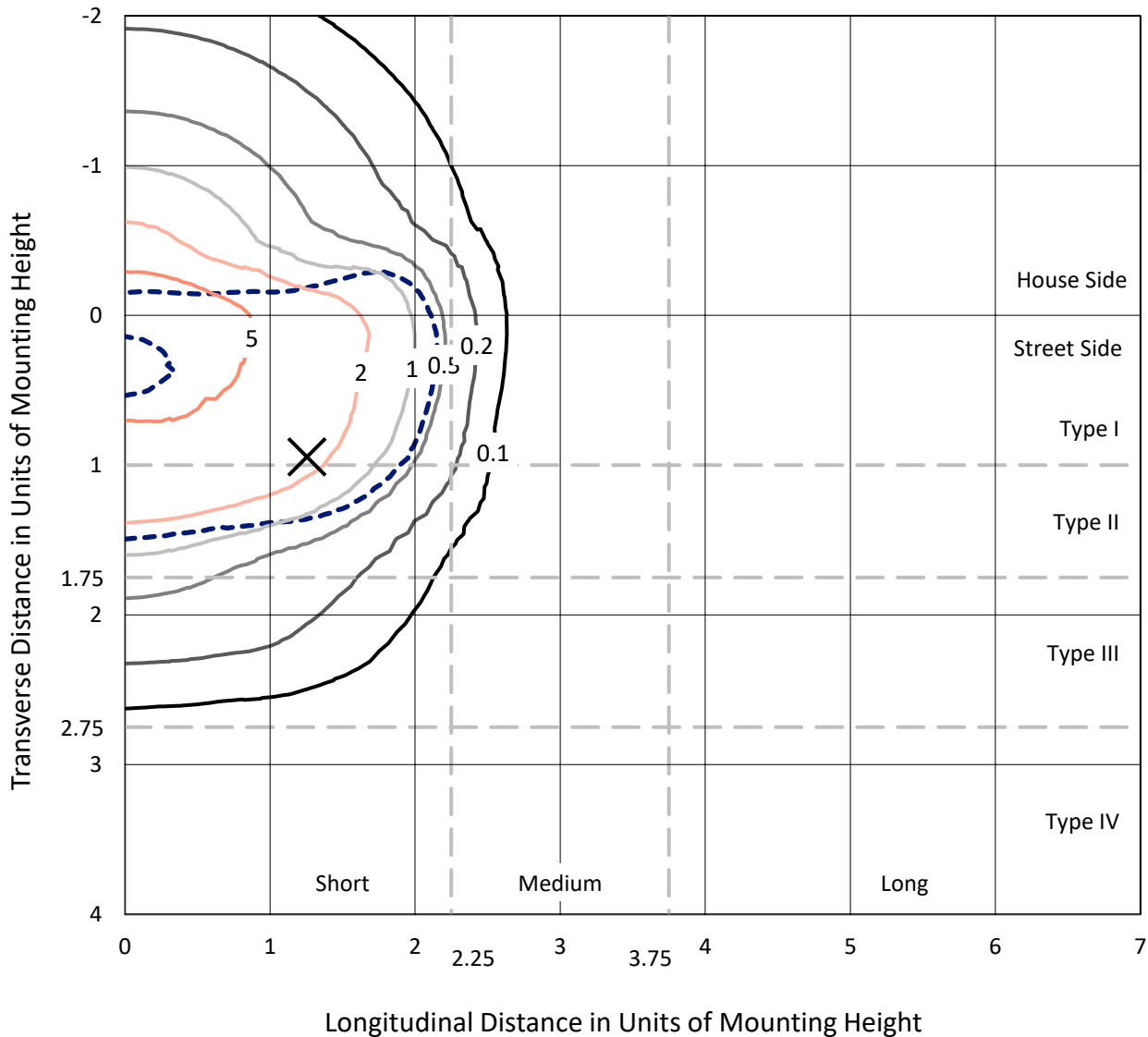
Lumens per Lamp: N/A  
Luminaire Lumens: 18730.5 lumens  
Efficiency: N/A  
Efficacy: 117.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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: P635775  
 CATALOG NUMBER: GWS-SA3E-740-U-SL2-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

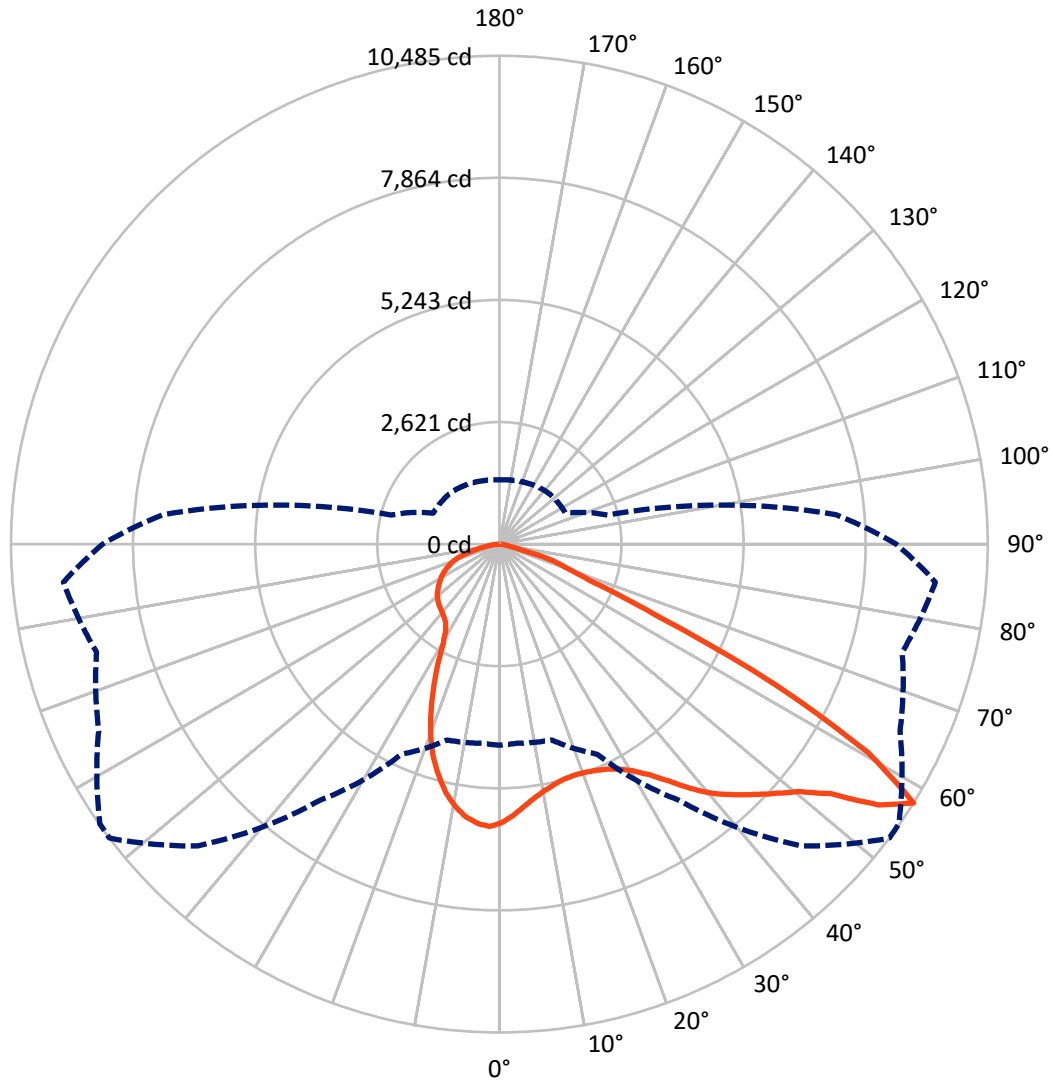
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc  
 Type II - Short - N/A

REPORT NUMBER: P635775  
CATALOG NUMBER: GWS-SA3E-740-U-SL2-W-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P635775

CATALOG NUMBER: GWS-SA3E-740-U-SL2-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5856.3	0.0	5856.3
	% Fixture	31.3	0.0	31.3
<b>Street Side</b>	Lumens	12874.2	0.0	12874.2
	% Fixture	68.7	0.0	68.7
<b>Total</b>	Lumens	18730.5	0.0	18730.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	540.9	2.9
10°-20°	1419.0	7.6
20°-30°	2090.7	11.2
30°-40°	2926.4	15.6
40°-50°	3847.0	20.5
50°-60°	4510.6	24.1
60°-70°	2657.3	14.2
70°-80°	661.0	3.5
80°-90°	77.6	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°	18730.5	100.0
0°-180°	18730.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P635775

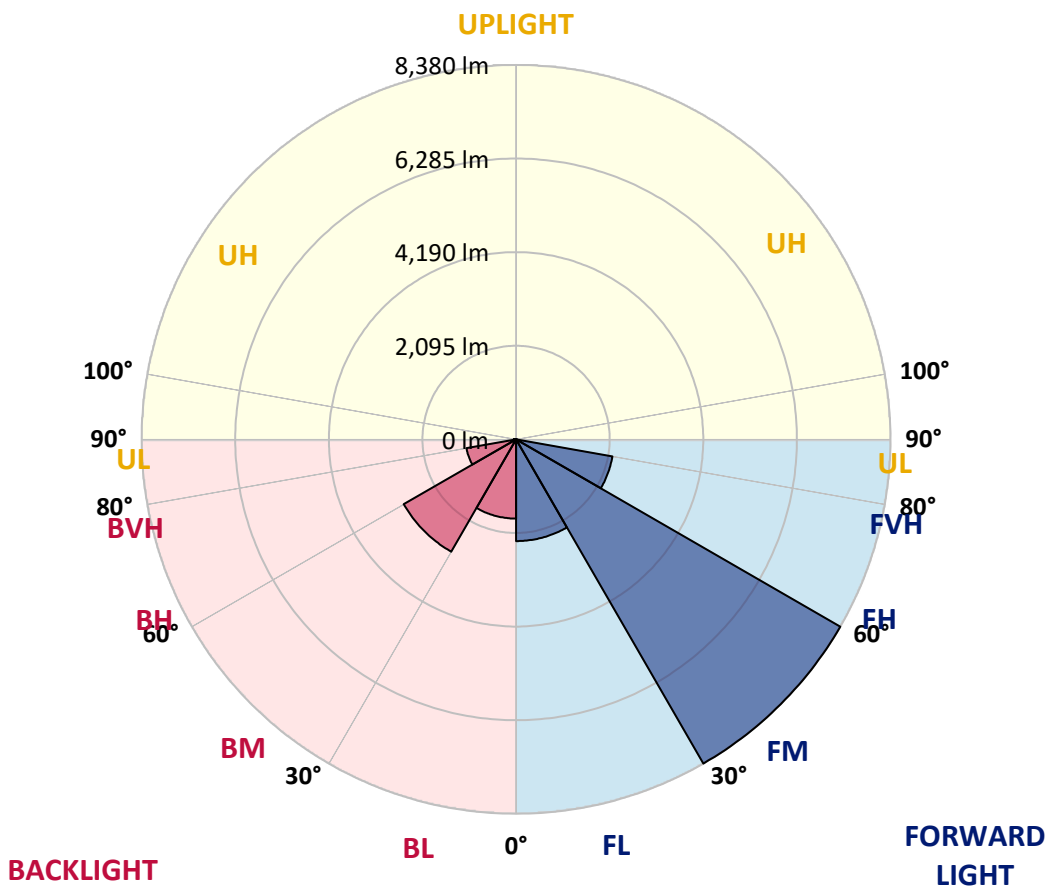
CATALOG NUMBER: GWS-SA3E-740-U-SL2-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2277.3	12.2			
FM (30°-60°)	8380.2	44.7			
FH (60°-80°)	2190.8	11.7			G2/5000
FVH (80°-90°)	26.0	0.1			G1/100
BL (0°-30°)	1773.3	9.5	B3/2500		
BM (30°-60°)	2903.9	15.5	B3/5000		
BH (60°-80°)	1127.5	6.0	B3/2500		G3/2500
BVH (80°-90°)	51.6	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





REPORT NUMBER: P635775

CATALOG NUMBER: GWS-SA3E-740-U-SL2-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	5981.2	5981.2	5981.2	5981.2	5981.2	5981.2	5981.2	5981.2	5981.2	5981.2	5981.2
2.5°	5637.5	5653.2	5656.4	5705.3	5708.4	5779.4	5826.7	5817.2	5866.1	5926.0	5973.3
5°	5367.9	5369.5	5385.2	5443.6	5475.1	5568.1	5646.9	5646.9	5741.5	5864.5	5970.1
7.5°	5145.6	5144.0	5158.2	5222.9	5274.9	5386.8	5494.0	5506.6	5639.1	5818.8	5990.6
10°	4939.1	4950.1	4965.9	5044.7	5110.9	5249.7	5377.4	5397.9	5565.0	5787.2	6019.0
12.5°	4806.7	4808.3	4831.9	4920.2	5005.3	5153.5	5287.5	5312.7	5505.1	5757.3	6039.5
15°	4721.5	4723.1	4748.3	4846.1	4945.4	5095.2	5232.3	5260.7	5470.4	5752.6	6078.9
17.5°	4683.7	4682.1	4705.8	4803.5	4912.3	5068.4	5215.0	5249.7	5486.1	5788.8	6148.3
20°	4683.7	4685.3	4697.9	4786.2	4896.5	5062.1	5232.3	5274.9	5547.6	5870.8	6255.5
22.5°	4749.9	4756.2	4762.5	4822.4	4909.2	5071.5	5278.0	5334.8	5680.0	6008.0	6395.8
25°	4879.2	4880.8	4887.1	4936.0	4975.4	5098.3	5353.7	5438.8	5886.6	6208.2	6572.3
27.5°	5052.6	5074.7	5081.0	5112.5	5112.5	5164.5	5472.0	5594.9	6165.6	6496.7	6797.8
30°	5295.4	5303.3	5314.3	5349.0	5311.2	5289.1	5645.4	5803.0	6488.8	6845.1	7068.9
32.5°	5508.2	5525.6	5585.5	5642.2	5574.4	5505.1	5900.8	6086.8	6799.3	7207.7	7357.4
35°	5689.5	5732.1	5847.2	5973.3	5926.0	5856.6	6239.7	6433.6	7054.7	7467.8	7612.8
37.5°	5908.6	5941.7	6099.4	6304.3	6346.9	6313.8	6652.7	6791.5	7225.0	7534.0	7751.5
40°	6130.9	6181.4	6384.7	6668.5	6830.9	6854.5	7034.2	7127.3	7283.3	7404.7	7724.7
42.5°	6357.9	6444.6	6723.7	7054.7	7343.2	7396.8	7355.8	7395.3	7264.4	7226.6	7600.2
45°	6635.4	6737.9	7053.2	7475.7	7855.6	7939.1	7671.1	7634.9	7261.3	7158.8	7522.9
47.5°	6963.3	7065.8	7366.9	7858.7	8344.3	8405.8	7994.3	7928.1	7371.6	7262.8	7627.0
50°	7253.4	7324.3	7593.9	8144.1	8799.9	8836.2	8350.6	8270.2	7645.9	7551.3	7951.8
52.5°	6958.6	6950.7	7234.5	7912.3	9036.4	9473.1	8899.2	8822.0	8175.6	8030.6	8454.6
55°	5903.9	5814.0	6067.9	6734.7	8375.8	10039.0	9882.9	9728.4	8881.9	8513.0	8926.0
57.5°	4316.4	4291.2	4352.7	4978.5	6709.5	9162.5	10485.2	10471.0	9492.0	8954.4	9395.8
60°	3375.2	3337.4	3173.4	3190.8	4573.4	7157.2	9099.4	9517.2	9870.3	9219.2	9723.7
62.5°	2996.9	2968.5	2883.4	2648.5	2724.2	4798.8	6670.1	7053.2	8624.9	8142.5	8352.2
65°	2481.4	2473.5	2544.4	2535.0	2282.7	2650.1	3764.6	4150.9	5423.1	5490.9	5423.1
67.5°	1803.5	1789.3	1969.0	2323.7	2197.6	2000.5	2098.3	2232.3	2780.9	2497.1	2248.1
70°	1172.9	1152.4	1256.5	1678.9	1967.4	1743.6	1511.8	1489.8	1529.2	950.6	1027.9
72.5°	786.7	763.0	761.4	923.8	1188.7	1174.5	1171.3	1160.3	1035.7	750.4	832.4
75°	438.3	419.3	414.6	398.8	425.6	433.5	461.9	477.7	517.1	569.1	630.6
77.5°	74.1	72.5	91.4	116.7	160.8	206.5	255.4	269.6	332.6	394.1	433.5
80°	41.0	42.6	55.2	67.8	89.9	123.0	157.6	167.1	204.9	238.0	269.6
82.5°	22.1	22.1	28.4	36.3	48.9	64.6	85.1	93.0	118.2	138.7	160.8
85°	7.9	7.9	11.0	14.2	20.5	26.8	33.1	37.8	52.0	70.9	80.4
87.5°	0.0	0.0	0.0	0.0	1.6	3.2	6.3	6.3	7.9	14.2	20.5
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: P635775

CATALOG NUMBER: GWS-SA3E-740-U-SL2-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5981.2	5981.2	5981.2	5981.2	5981.2	5981.2	5981.2	5981.2	5981.2	5981.2	5981.2
2.5°	6012.7	5970.1	6028.4	6055.2	6064.7	6071.0	6030.0	6001.6	5992.2	5962.2	5944.9
5°	6034.8	6006.4	6061.6	6061.6	6022.1	5981.2	5897.6	5839.3	5798.3	5749.4	5741.5
7.5°	6072.6	6052.1	6082.0	6020.6	5921.2	5810.9	5665.9	5552.4	5460.9	5401.0	5402.6
10°	6123.0	6097.8	6074.2	5937.0	5755.7	5552.4	5330.1	5164.5	5013.2	4943.8	4906.0
12.5°	6156.1	6119.9	6020.6	5793.6	5527.1	5254.4	4940.7	4694.7	4475.6	4376.3	4368.4
15°	6197.1	6130.9	5932.3	5607.5	5237.1	4865.0	4461.4	4119.3	3823.0	3668.5	3660.6
17.5°	6250.7	6142.0	5826.7	5394.7	4931.2	4382.6	3875.0	3444.6	3129.3	3009.5	3030.0
20°	6326.4	6154.6	5706.8	5158.2	4551.3	3834.0	3201.8	2806.1	2684.7	2676.9	2661.1
22.5°	6411.5	6162.4	5574.4	4893.4	4091.0	3249.1	2645.3	2476.6	2475.1	2514.5	2523.9
25°	6507.7	6168.8	5424.7	4584.4	3592.8	2665.8	2339.5	2289.0	2328.5	2402.6	2412.0
27.5°	6630.7	6181.4	5243.4	4245.5	3063.1	2303.2	2170.8	2158.2	2205.5	2274.9	2271.7
30°	6812.0	6227.1	5051.0	3856.1	2519.2	2131.4	2068.3	2069.9	2088.8	2121.9	2126.7
32.5°	6996.4	6298.0	4863.4	3417.8	2207.1	2033.7	2005.3	2002.1	2002.1	2016.3	2019.5
35°	7171.4	6378.4	4660.1	2960.6	2055.7	1976.9	1958.0	1948.5	1943.8	1940.6	1935.9
37.5°	7269.1	6417.8	4461.4	2509.8	1975.3	1939.1	1920.1	1907.5	1890.2	1877.6	1874.4
40°	7226.6	6372.1	4231.3	2172.4	1926.5	1902.8	1880.7	1863.4	1839.7	1828.7	1822.4
42.5°	7084.7	6230.2	3980.6	2013.2	1887.0	1863.4	1836.6	1808.2	1792.5	1783.0	1781.4
45°	6934.9	6058.4	3677.9	1920.1	1849.2	1820.8	1789.3	1757.8	1740.4	1735.7	1734.1
47.5°	6930.2	5973.3	3356.3	1846.1	1803.5	1775.1	1735.7	1704.2	1685.3	1678.9	1672.6
50°	7138.3	6060.0	2993.7	1781.4	1756.2	1726.2	1682.1	1647.4	1623.8	1615.9	1614.3
52.5°	7570.2	6386.3	2669.0	1716.8	1693.1	1658.5	1622.2	1587.5	1559.1	1544.9	1543.4
55°	8036.9	6800.9	2467.2	1650.6	1619.0	1589.1	1556.0	1518.1	1486.6	1464.5	1461.4
57.5°	8519.3	7253.4	2405.7	1567.0	1543.4	1522.9	1483.5	1442.5	1406.2	1385.7	1381.0
60°	8916.6	7642.8	2520.8	1478.7	1466.1	1439.3	1403.1	1363.7	1338.4	1322.7	1319.5
62.5°	7464.6	6222.4	2035.2	1382.6	1382.6	1354.2	1313.2	1284.8	1267.5	1256.5	1253.3
65°	4737.3	3852.9	1388.9	1286.4	1284.8	1247.0	1212.3	1193.4	1185.5	1168.2	1165.0
67.5°	2063.6	1760.9	1187.1	1188.7	1182.4	1141.4	1106.7	1092.5	1076.7	1057.8	1056.2
70°	1070.4	1090.9	1062.5	1079.9	1068.9	1020.0	986.9	964.8	931.7	912.8	914.4
72.5°	863.9	886.0	917.5	944.3	920.7	881.3	829.2	802.4	759.9	739.4	740.9
75°	659.0	682.6	712.6	740.9	722.0	673.2	640.0	613.2	564.4	540.7	545.5
77.5°	454.0	466.6	502.9	501.3	495.0	480.8	432.0	400.4	350.0	321.6	324.8
80°	282.2	290.1	307.4	315.3	312.1	293.2	253.8	230.2	200.2	182.9	184.4
82.5°	170.3	175.0	190.8	192.3	190.8	176.6	146.6	129.3	110.4	100.9	100.9
85°	86.7	89.9	99.3	99.3	89.9	75.7	67.8	59.9	48.9	44.1	44.1
87.5°	23.6	23.6	30.0	25.2	20.5	18.9	9.5	7.9	3.2	1.6	1.6
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)