

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: P642844

Luminaire Tested: GWS-SA6D-760-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642844  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6D-760-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 36165 lumens  
Efficiency: N/A  
Efficacy: 147.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
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

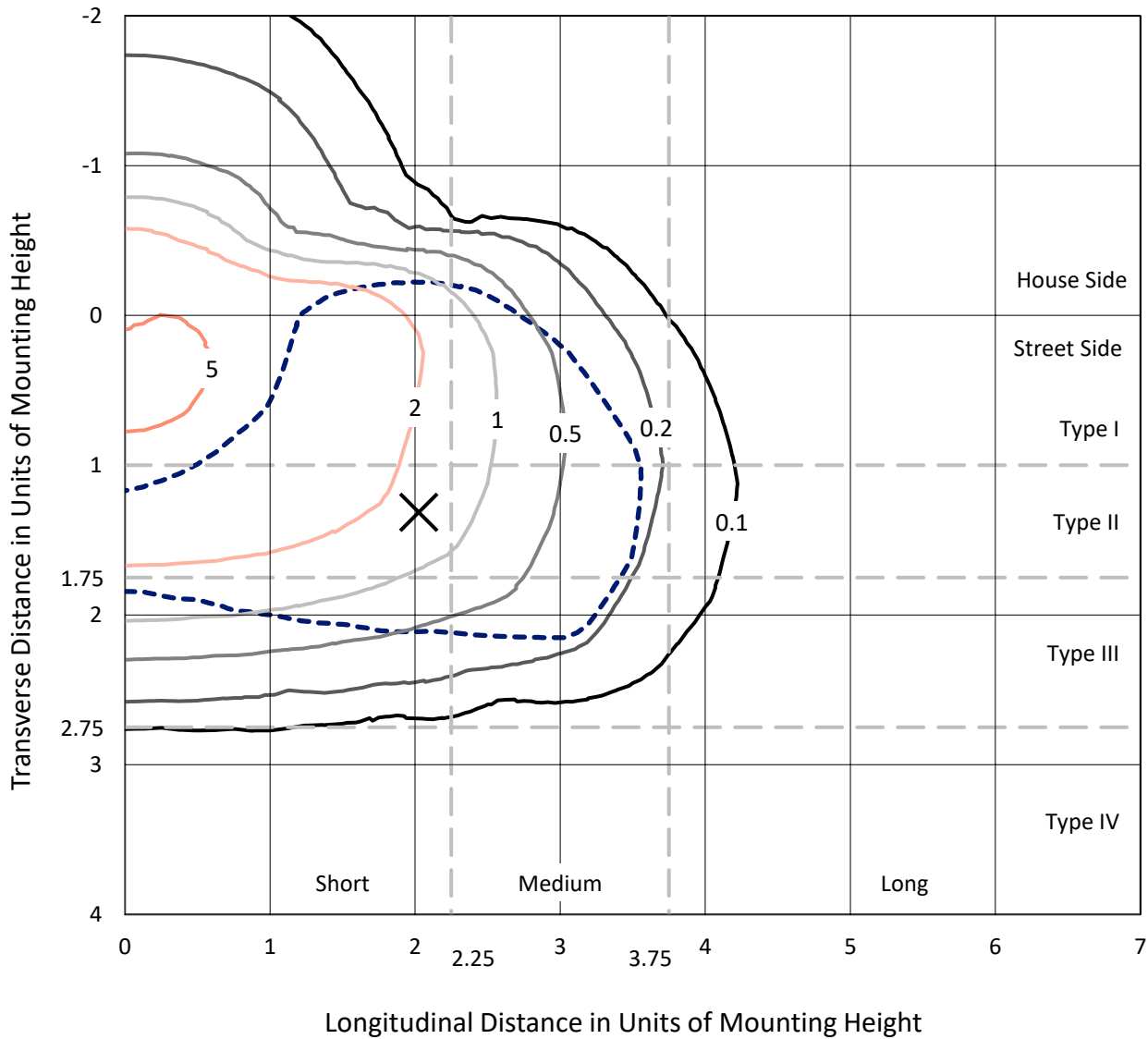


REPORT NUMBER: P642844

CATALOG NUMBER: GWS-SA6D-760-U-T3-W

### Iso-Footcandle Lines of Horizontal Illumination

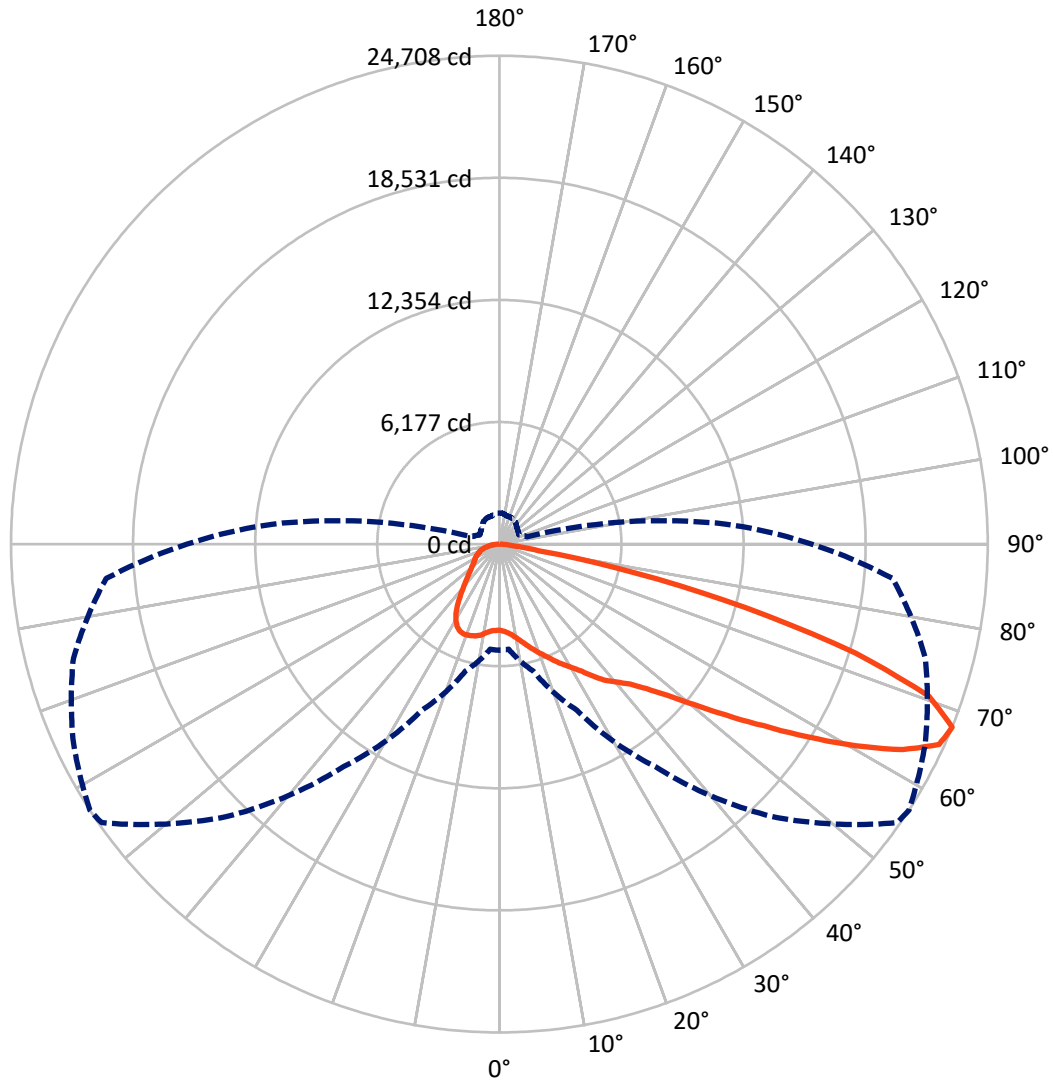
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.7 fc  
 Type III - Short - N/A

REPORT NUMBER: P642844  
CATALOG NUMBER: GWS-SA6D-760-U-T3-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P642844

CATALOG NUMBER: GWS-SA6D-760-U-T3-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7951.3	0.0	7951.3
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	28213.7	0.0	28213.7
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	36165.0	0.0	36165.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	432.2	1.2
10°-20°	1430.8	4.0
20°-30°	2550.8	7.1
30°-40°	3708.5	10.3
40°-50°	5367.4	14.8
50°-60°	8399.9	23.2
60°-70°	9799.0	27.1
70°-80°	4090.5	11.3
80°-90°	386.0	1.1
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°	36165.0	100.0
0°-180°	36165.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P642844

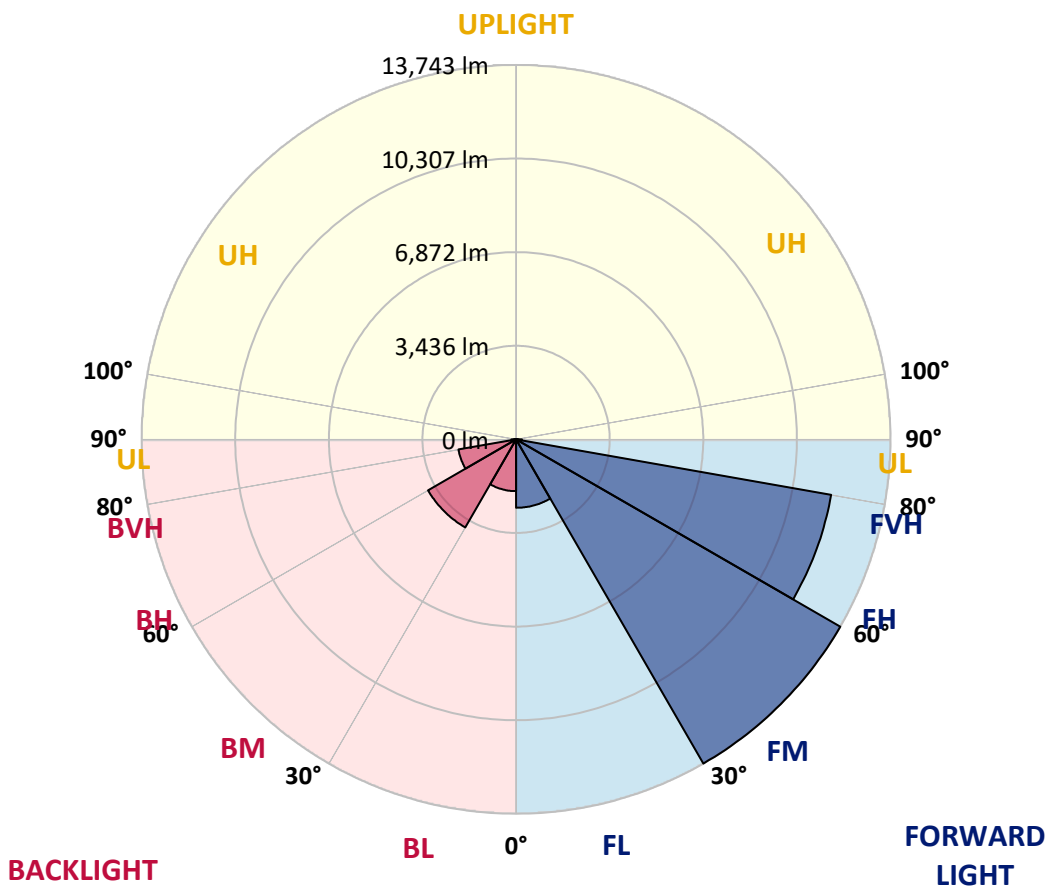
CATALOG NUMBER: GWS-SA6D-760-U-T3-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2512.0	6.9			
FM (30°-60°)	13743.2	38.0			
FH (60°-80°)	11743.4	32.5			G4/12000
FVH (80°-90°)	215.1	0.6			G2/225
BL (0°-30°)	1901.7	5.3	B3/2500		
BM (30°-60°)	3732.6	10.3	B3/5000		
BH (60°-80°)	2146.1	5.9	B3/2500		G3/2500
BVH (80°-90°)	171.0	0.5			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 III Short





REPORT NUMBER: P642844

CATALOG NUMBER: GWS-SA6D-760-U-T3-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	4357.6	4357.6	4357.6	4357.6	4357.6	4357.6	4357.6	4357.6	4357.6	4357.6	4357.6
2.5°	4419.8	4414.6	4412.0	4427.6	4422.4	4419.8	4419.8	4417.2	4412.0	4391.3	4362.8
5°	4541.6	4531.2	4520.9	4533.8	4523.4	4513.1	4510.5	4505.3	4487.2	4456.1	4412.0
7.5°	4668.5	4658.2	4660.8	4668.5	4660.8	4655.6	4647.8	4642.6	4614.1	4564.9	4505.3
10°	4847.3	4847.3	4852.5	4860.2	4862.8	4855.1	4839.5	4831.7	4798.1	4735.9	4653.0
12.5°	5106.4	5101.2	5101.2	5096.0	5103.8	5096.0	5080.5	5067.5	5026.0	4945.7	4826.6
15°	5448.3	5427.6	5409.5	5375.8	5365.4	5336.9	5342.1	5334.3	5295.5	5186.7	5036.4
17.5°	5813.6	5811.0	5782.5	5715.2	5647.8	5601.2	5611.6	5609.0	5588.2	5440.6	5248.9
20°	6134.9	6147.8	6121.9	6070.1	5979.4	5891.4	5886.2	5899.1	5873.2	5725.6	5458.7
22.5°	6495.0	6484.6	6458.7	6391.4	6324.0	6230.7	6199.7	6189.3	6178.9	6010.5	5673.7
25°	6837.0	6868.1	6834.4	6772.2	6668.6	6567.5	6541.6	6552.0	6523.5	6300.7	5904.3
27.5°	7269.6	7282.6	7261.9	7176.4	7088.3	6945.8	6896.6	6896.6	6886.2	6572.7	6085.7
30°	7730.8	7767.1	7730.8	7660.8	7570.2	7365.5	7259.3	7248.9	7217.8	6852.5	6298.1
32.5°	8194.5	8220.4	8194.5	8127.2	8023.5	7844.8	7691.9	7668.6	7627.2	7158.2	6515.7
35°	8606.5	8629.8	8624.6	8640.1	8554.6	8329.3	8236.0	8225.6	8116.8	7557.2	6811.1
37.5°	9057.3	9085.7	9046.9	9078.0	9044.3	8831.9	8803.4	8751.5	8596.1	7932.9	7122.0
40°	9570.2	9596.1	9533.9	9546.9	9508.0	9388.9	9243.8	9173.8	8943.3	8339.6	7611.6
42.5°	10119.5	10179.0	10207.5	10184.2	10093.5	10026.2	9772.3	9684.2	9492.5	9072.8	8417.3
45°	10914.8	11002.9	11044.4	10984.8	10945.9	10850.0	10539.2	10432.9	10331.9	10106.5	9541.7
47.5°	11772.4	11852.7	11984.8	12010.7	12041.8	11969.3	11531.4	11427.8	11445.9	11420.0	10925.2
50°	12456.3	12523.7	12821.6	13140.3	13404.5	13425.3	12865.6	12754.2	12852.7	12935.6	12591.0
52.5°	12953.7	13013.3	13407.1	14065.2	14663.6	15106.6	14503.0	14376.1	14456.4	14642.9	14484.9
55°	13357.9	13440.8	13852.7	14863.1	16073.0	16772.5	16386.5	16225.8	16192.2	16422.7	16513.4
57.5°	13570.3	13596.2	14174.0	15487.5	17106.7	18407.3	18575.7	18394.3	18073.1	18200.0	18671.5
60°	13085.9	13129.9	13920.1	15648.1	17922.8	20029.1	20873.6	20723.4	20039.4	20109.4	20630.1
62.5°	11746.4	11808.6	12759.4	14883.8	17990.1	21112.0	22995.5	22899.6	21982.5	21604.2	21759.7
65°	9422.5	9443.3	10427.8	12992.6	16650.7	21246.7	24474.8	24451.5	23340.0	22454.0	21788.2
67.5°	5373.2	5336.9	6653.0	9267.1	13741.3	19495.4	24570.6	24708.0	23780.5	22314.1	19974.7
70°	2329.1	2334.3	2940.5	4572.7	8894.0	15756.9	22821.9	23057.6	22505.8	19985.0	15891.6
72.5°	1077.8	1093.3	1355.0	1979.3	3798.0	9774.9	18609.3	18821.8	18347.7	15995.3	11562.5
75°	761.7	774.6	904.2	1134.7	1746.2	3808.4	12448.5	12894.1	13124.7	11964.1	7619.4
77.5°	577.7	595.9	660.6	787.6	1077.8	1349.8	5956.1	7018.3	8360.3	7443.2	3925.0
80°	367.9	367.9	437.8	525.9	658.0	702.1	1720.3	2038.9	4090.8	3067.4	1541.5
82.5°	248.7	256.5	297.9	334.2	378.2	399.0	738.4	787.6	1181.4	1044.1	634.7
85°	132.1	137.3	155.4	152.9	181.4	158.0	310.9	308.3	432.7	474.1	240.9
87.5°	0.0	0.0	2.6	2.6	5.2	7.8	33.7	36.3	90.7	145.1	80.3
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: P642844  
 CATALOG NUMBER: GWS-SA6D-760-U-T3-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4357.6	4357.6	4357.6	4357.6	4357.6	4357.6	4357.6	4357.6	4357.6	4357.6	4357.6
2.5°	4378.4	4347.3	4362.8	4357.6	4373.2	4373.2	4344.7	4336.9	4339.5	4308.4	4298.0
5°	4417.2	4381.0	4388.7	4378.4	4393.9	4406.9	4393.9	4393.9	4409.5	4386.1	4373.2
7.5°	4505.3	4463.9	4463.9	4450.9	4469.0	4479.4	4469.0	4484.6	4513.1	4489.8	4476.8
10°	4645.2	4596.0	4598.6	4583.0	4590.8	4585.6	4544.2	4531.2	4539.0	4518.3	4507.9
12.5°	4826.6	4759.2	4759.2	4728.1	4710.0	4655.6	4570.1	4539.0	4544.2	4526.0	4518.3
15°	5000.1	4938.0	4925.0	4862.8	4779.9	4678.9	4601.2	4580.4	4585.6	4567.5	4554.5
17.5°	5204.8	5124.5	5077.9	4963.9	4811.0	4707.4	4629.7	4580.4	4539.0	4497.5	4487.2
20°	5393.9	5292.9	5207.4	5031.2	4844.7	4702.2	4557.1	4435.4	4334.3	4279.9	4267.0
22.5°	5588.2	5458.7	5308.4	5077.9	4842.1	4608.9	4342.1	4158.1	4007.9	3927.6	3943.1
25°	5772.2	5609.0	5404.3	5121.9	4759.2	4401.7	4039.0	3764.4	3593.4	3531.2	3513.1
27.5°	5925.0	5723.0	5492.4	5101.2	4588.2	4103.7	3624.5	3318.7	3152.9	3083.0	3064.9
30°	6096.0	5868.0	5619.3	5005.3	4318.8	3686.6	3155.5	2906.8	2787.6	2720.3	2722.9
32.5°	6292.9	6054.6	5798.1	4821.4	3974.2	3235.8	2769.5	2598.5	2502.7	2435.3	2424.9
35°	6557.2	6321.4	5917.3	4544.2	3536.4	2821.3	2505.3	2365.4	2246.2	2158.1	2140.0
37.5°	6883.6	6723.0	5930.2	4173.7	3067.4	2536.3	2316.1	2165.9	2020.8	1904.2	1891.2
40°	7443.2	7259.3	5824.0	3709.9	2668.5	2352.4	2158.1	1984.5	1816.1	1686.6	1668.4
42.5°	8241.2	7862.9	5596.0	3186.6	2367.9	2207.3	2007.8	1787.6	1616.6	1525.9	1513.0
45°	9256.7	8536.5	5254.0	2694.4	2145.1	2064.8	1849.8	1619.2	1528.5	1463.8	1450.8
47.5°	10500.3	9321.5	4860.2	2310.9	1971.6	1935.3	1689.2	1562.2	1481.9	1427.5	1414.5
50°	11987.4	10321.5	4536.4	2010.4	1816.1	1785.0	1637.4	1528.5	1463.8	1419.7	1409.4
52.5°	13684.3	11433.0	4378.4	1795.4	1681.4	1650.3	1619.2	1520.8	1466.4	1432.7	1419.7
55°	15446.0	12604.0	4230.7	1629.6	1567.4	1585.5	1621.8	1546.7	1505.2	1461.2	1448.2
57.5°	17148.2	13702.5	3868.0	1500.0	1484.5	1554.4	1634.8	1572.6	1523.4	1479.3	1463.8
60°	18321.8	14303.5	3254.0	1396.4	1422.3	1515.6	1601.1	1533.7	1471.5	1453.4	1445.6
62.5°	18637.8	14231.0	2526.0	1290.2	1347.2	1430.1	1513.0	1469.0	1404.2	1432.7	1435.3
65°	17899.5	13453.7	1896.4	1186.6	1248.7	1318.7	1422.3	1404.2	1380.9	1458.6	1461.2
67.5°	15808.7	11544.4	1445.6	1095.9	1147.7	1233.2	1393.8	1469.0	1474.1	1572.6	1562.2
70°	11961.5	8624.6	1132.2	1010.4	1070.0	1233.2	1484.5	1518.2	1456.0	1546.7	1525.9
72.5°	8269.7	5691.9	963.8	935.3	974.1	1176.2	1481.9	1481.9	1414.5	1414.5	1375.7
75°	5137.5	3347.2	839.4	839.4	839.4	1028.5	1440.5	1365.3	1246.1	1191.7	1160.7
77.5°	2536.3	1627.0	704.7	730.6	702.1	860.1	1176.2	1116.6	1044.1	987.1	966.3
80°	1082.9	813.5	570.0	598.5	564.8	647.7	932.7	919.7	849.8	774.6	751.3
82.5°	497.4	419.7	456.0	468.9	411.9	487.1	681.4	681.4	642.5	538.9	500.0
85°	212.4	222.8	316.1	316.1	259.1	274.6	365.3	347.2	310.9	253.9	233.2
87.5°	72.5	108.8	160.6	139.9	54.4	23.3	13.0	5.2	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)