

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: P635330

Luminaire Tested: GWS-SA3D-750-U-AFL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635330  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-45)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-750-U-AFL-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND  
AUTOMOTIVE FRONTLINE OPTICS  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18331.1 lumens  
Efficiency: N/A  
Efficacy: 151.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

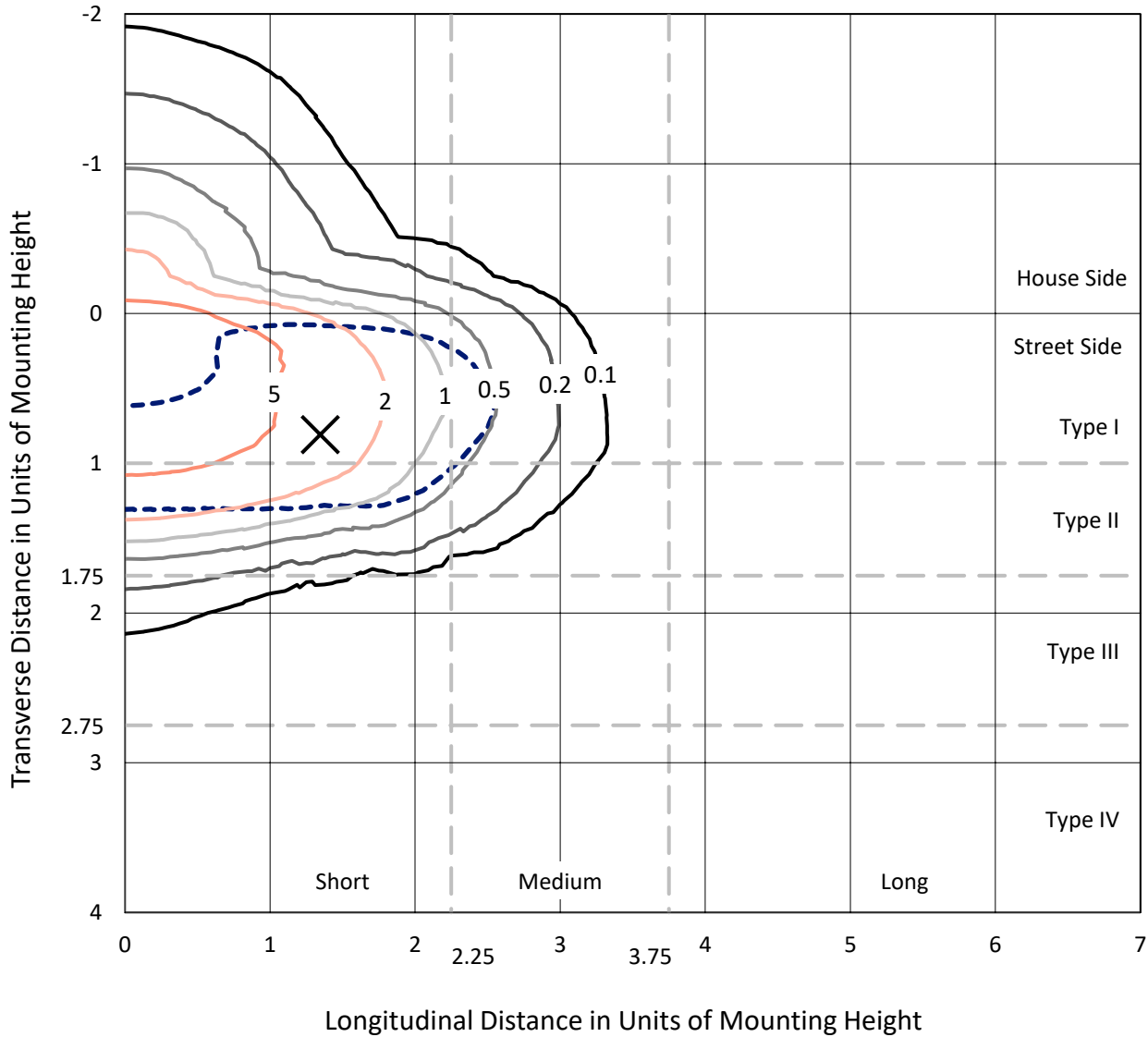
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P635330  
 CATALOG NUMBER: GWS-SA3D-750-U-AFL-W

### Iso-Footcandle Lines of Horizontal Illumination

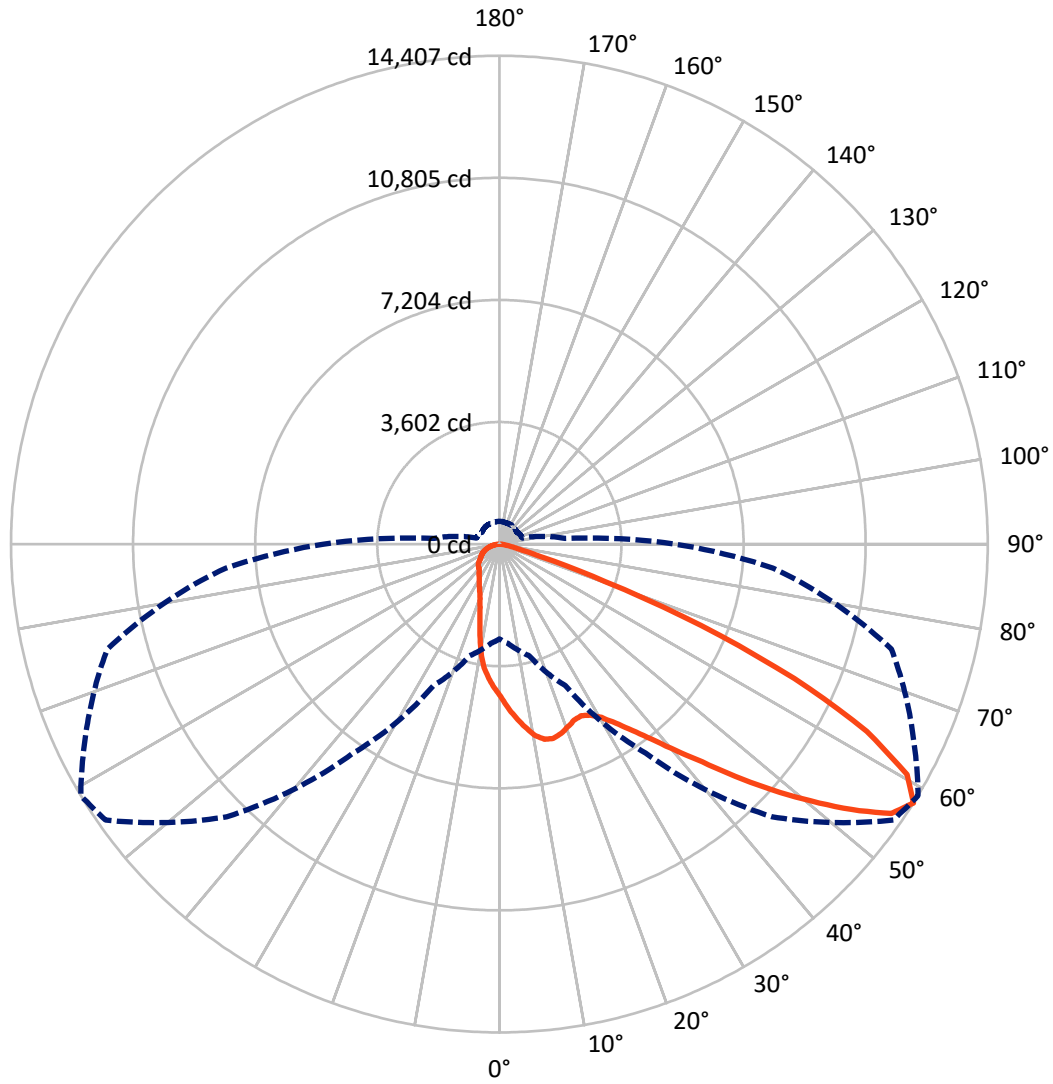
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc  
 Type II - Short - N/A

REPORT NUMBER: P635330  
CATALOG NUMBER: GWS-SA3D-750-U-AFL-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P635330

CATALOG NUMBER: GWS-SA3D-750-U-AFL-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2844.9	0.0	2844.9
	% Fixture	15.5	0.0	15.5
<b>Street Side</b>	Lumens	15486.2	0.0	15486.2
	% Fixture	84.5	0.0	84.5
<b>Total</b>	Lumens	18331.1	0.0	18331.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	417.8	2.3
10°-20°	1058.8	5.8
20°-30°	1716.3	9.4
30°-40°	2760.9	15.1
40°-50°	4287.3	23.4
50°-60°	4618.0	25.2
60°-70°	2680.1	14.6
70°-80°	699.7	3.8
80°-90°	92.2	0.5
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°	18331.1	100.0
0°-180°	18331.1	100.0

**Coefficient of Utilization**



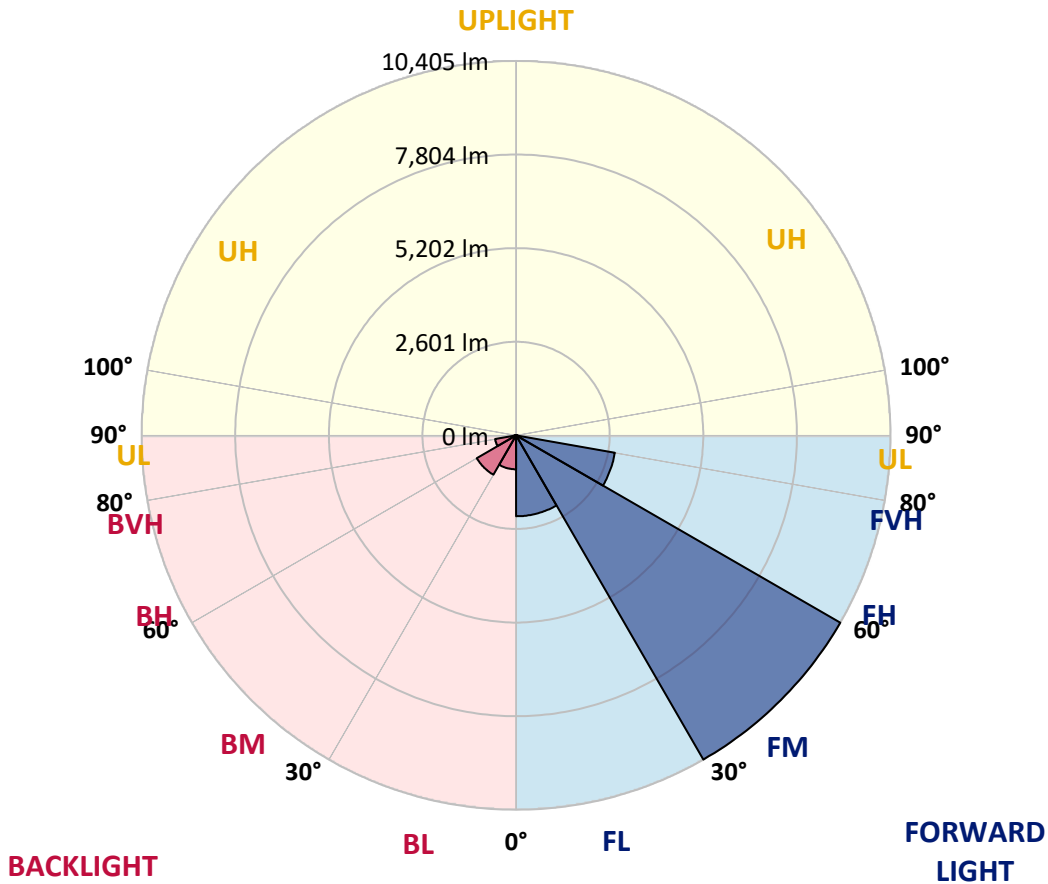
REPORT NUMBER: P635330

CATALOG NUMBER: GWS-SA3D-750-U-AFL-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2249.1	12.3			
FM (30°-60°)	10404.9	56.8			
FH (60°-80°)	2788.1	15.2			G2/5000
FVH (80°-90°)	44.1	0.2			G1/100
BL (0°-30°)	943.8	5.1	B2/1000		
BM (30°-60°)	1261.3	6.9	B2/2500		
BH (60°-80°)	591.7	3.2	B2/1000		G2/1000
BVH (80°-90°)	48.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type II Short





REPORT NUMBER: P635330

CATALOG NUMBER: GWS-SA3D-750-U-AFL-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	4499.9	4499.9	4499.9	4499.9	4499.9	4499.9	4499.9	4499.9	4499.9	4499.9	4499.9
2.5°	5103.9	5061.3	5091.0	5038.1	5016.1	4958.0	4883.2	4832.9	4755.4	4654.8	4567.0
5°	5611.0	5581.3	5587.8	5531.0	5480.7	5383.9	5230.3	5145.2	5013.5	4810.9	4622.5
7.5°	5595.5	5630.4	5649.7	5698.8	5713.0	5703.9	5565.9	5447.1	5302.6	4998.0	4714.1
10°	5016.1	5081.9	5141.3	5309.1	5512.9	5771.0	5803.3	5732.3	5586.5	5236.8	4823.8
12.5°	4385.1	4435.4	4488.3	4689.6	5001.9	5518.1	5867.8	5911.7	5853.6	5472.9	4947.7
15°	4075.3	4098.6	4148.9	4281.8	4530.9	5103.9	5755.6	5947.8	6052.4	5723.3	5087.1
17.5°	4062.4	4072.8	4097.3	4168.3	4341.2	4783.8	5553.0	5875.6	6208.5	5987.8	5249.7
20°	4329.6	4302.5	4287.0	4285.7	4370.9	4676.7	5356.8	5759.4	6282.1	6258.8	5423.9
22.5°	4699.9	4709.0	4675.4	4592.8	4582.5	4752.9	5258.7	5642.0	6304.0	6498.9	5585.2
25°	5225.2	5270.3	5171.0	5013.5	4936.1	4973.5	5319.4	5605.9	6301.4	6698.9	5685.9
27.5°	5838.2	5873.0	5772.3	5565.9	5405.8	5315.5	5500.0	5713.0	6323.4	6871.8	5746.5
30°	6536.3	6547.9	6409.8	6193.0	5959.5	5765.9	5800.7	5933.6	6435.6	7099.0	5817.5
32.5°	7389.3	7438.4	7229.3	6886.0	6559.5	6311.8	6204.6	6289.8	6678.3	7367.4	5927.2
35°	8472.0	8488.8	8223.0	7731.3	7269.3	6926.0	6701.5	6746.7	7047.3	7742.9	6092.4
37.5°	9492.8	9509.6	9227.0	8770.1	8109.4	7639.7	7314.5	7293.8	7519.7	8273.3	6362.1
40°	10140.6	10188.4	10061.9	9775.4	9144.4	8510.7	8069.4	7998.4	8139.1	8922.4	6737.6
42.5°	10489.1	10509.7	10507.1	10544.5	10169.0	9539.3	8921.1	8779.2	8873.4	9623.1	7117.0
45°	10491.6	10543.3	10681.3	11041.4	11058.2	10665.9	9997.4	9775.4	9689.0	10329.0	7513.2
47.5°	10021.9	10077.4	10456.8	11165.3	11687.9	11777.0	11286.6	10841.4	10477.4	10936.9	7838.4
50°	8599.8	8739.2	9461.8	10714.9	11811.8	12667.4	12516.4	11912.5	11178.2	11406.6	8042.3
52.5°	7364.8	7359.6	7804.8	9442.5	11294.3	13059.7	13706.2	13014.5	11871.2	11704.7	8093.9
55°	5392.9	5422.6	5878.2	7221.5	9913.5	12680.3	14360.5	14028.9	12666.1	11863.4	8073.3
57.5°	2796.5	2943.6	3410.7	4608.3	7532.6	11374.3	14186.3	14407.0	13473.9	11975.7	8100.4
60°	1413.1	1384.7	1552.5	2200.3	4364.4	8883.7	13112.6	13815.9	13619.8	12063.4	8117.1
62.5°	943.3	935.6	889.1	1019.5	1783.4	5261.3	11178.2	12164.1	12606.7	11857.0	7902.9
65°	816.9	801.4	716.2	711.1	865.9	2182.2	8193.3	9562.5	10419.4	10939.4	7390.6
67.5°	735.6	712.3	625.9	583.3	622.0	958.8	4617.4	6413.7	7693.9	9251.5	6267.9
70°	656.9	645.2	558.8	496.8	493.0	584.6	1700.9	3310.1	4707.7	6311.8	4582.5
72.5°	588.5	567.8	494.3	434.9	405.2	414.2	738.2	1275.0	2436.4	3937.3	2741.0
75°	509.7	494.3	429.7	370.4	334.2	303.3	450.4	589.8	1111.1	1871.2	1294.4
77.5°	393.6	383.3	339.4	294.2	273.6	225.8	273.6	371.7	513.6	788.5	673.6
80°	228.4	234.9	252.9	229.7	201.3	161.3	178.1	214.2	308.4	427.2	382.0
82.5°	114.9	122.6	163.9	132.9	120.0	94.2	105.8	126.5	161.3	236.2	149.7
85°	9.0	9.0	29.7	33.6	41.3	33.6	42.6	51.6	73.6	94.2	50.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.9	6.5	11.6	21.9	14.2
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: P635330  
 CATALOG NUMBER: GWS-SA3D-750-U-AFL-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4499.9	4499.9	4499.9	4499.9	4499.9	4499.9	4499.9	4499.9	4499.9	4499.9	4499.9
2.5°	4507.7	4441.8	4363.1	4298.6	4199.2	4146.3	4079.2	3996.6	3963.1	3947.6	3938.6
5°	4516.7	4400.6	4232.8	4077.9	3906.3	3770.8	3619.8	3462.4	3372.0	3350.1	3334.6
7.5°	4550.2	4387.6	4120.5	3865.0	3546.3	3250.7	2963.0	2677.8	2531.9	2476.4	2471.3
10°	4596.7	4382.5	4007.0	3582.4	3044.3	2577.1	2240.3	2017.0	1922.8	1891.8	1881.5
12.5°	4654.8	4378.6	3857.3	3190.1	2464.8	2023.5	1831.2	1795.1	1808.0	1805.4	1805.4
15°	4728.3	4383.8	3676.6	2746.2	1993.8	1756.3	1760.2	1802.8	1842.8	1849.3	1849.3
17.5°	4808.3	4378.6	3414.6	2300.9	1711.2	1693.1	1752.5	1811.8	1848.0	1853.1	1853.1
20°	4894.8	4354.1	3084.3	1881.5	1587.3	1653.1	1717.6	1764.1	1786.0	1791.2	1791.2
22.5°	4946.4	4284.4	2725.5	1592.5	1508.6	1589.9	1632.5	1680.2	1682.8	1641.5	1640.2
25°	4938.7	4154.1	2316.4	1406.6	1424.7	1495.7	1549.9	1516.3	1475.0	1451.8	1447.9
27.5°	4889.6	3957.9	1899.6	1266.0	1325.3	1405.3	1388.6	1360.2	1349.8	1324.0	1321.5
30°	4827.7	3716.6	1525.4	1156.3	1222.1	1295.6	1269.8	1267.3	1256.9	1228.5	1228.5
32.5°	4768.3	3467.5	1242.7	1075.0	1156.3	1161.4	1197.6	1200.2	1195.0	1145.9	1140.8
35°	4751.6	3218.5	1051.7	1010.4	1091.7	1089.2	1140.8	1139.5	1050.5	982.1	980.8
37.5°	4801.9	2965.5	938.2	957.5	1002.7	1036.3	1077.6	1002.7	973.0	931.7	929.1
40°	4909.0	2732.0	880.1	926.6	945.9	995.0	930.4	935.6	927.9	896.9	893.0
42.5°	5051.0	2533.2	847.8	916.2	913.7	926.6	855.6	876.2	887.9	864.6	860.8
45°	5187.7	2360.3	831.1	877.5	890.4	815.6	801.4	820.7	838.8	829.8	825.9
47.5°	5288.4	2210.6	822.0	824.6	860.8	778.2	754.9	764.0	785.9	789.8	788.5
50°	5319.4	2082.8	811.7	780.7	773.0	740.7	722.7	720.1	745.9	764.0	766.5
52.5°	5260.0	1969.3	784.6	742.0	704.6	709.8	703.3	690.4	716.2	740.7	743.3
55°	5172.3	1904.8	742.0	704.6	660.7	681.4	684.0	672.3	689.1	705.9	705.9
57.5°	5178.7	1942.2	700.7	669.8	622.0	649.1	663.3	658.1	658.1	671.1	672.3
60°	5221.3	1996.4	673.6	625.9	583.3	611.7	644.0	638.8	627.2	644.0	644.0
62.5°	5098.7	1924.1	655.6	583.3	542.0	575.6	614.3	611.7	598.8	625.9	628.5
65°	4737.4	1730.5	634.9	530.4	500.7	539.4	573.0	582.0	570.4	606.5	613.0
67.5°	3970.8	1455.7	594.9	480.1	459.4	495.5	527.8	540.7	531.7	574.3	579.4
70°	2960.4	1178.2	531.7	424.6	409.1	441.3	471.0	476.2	477.5	527.8	533.0
72.5°	1888.0	916.2	447.8	362.6	351.0	375.5	397.5	418.1	427.2	474.9	473.6
75°	1053.0	681.4	360.0	307.1	286.5	305.8	331.7	356.2	382.0	451.7	459.4
77.5°	606.5	478.8	285.2	246.5	222.0	242.6	264.5	299.4	376.8	437.5	429.7
80°	342.0	311.0	215.5	180.7	165.2	180.7	197.4	263.3	296.8	322.6	326.5
82.5°	160.0	174.2	147.1	111.0	111.0	121.3	136.8	203.9	224.5	183.2	160.0
85°	58.1	78.7	72.3	56.8	50.3	49.0	85.2	116.1	72.3	64.5	55.5
87.5°	15.5	21.9	20.6	14.2	7.7	6.5	0.0	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)