

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: P643232

Luminaire Tested: GWS-SA6E-740-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643232
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-740-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35042.7 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

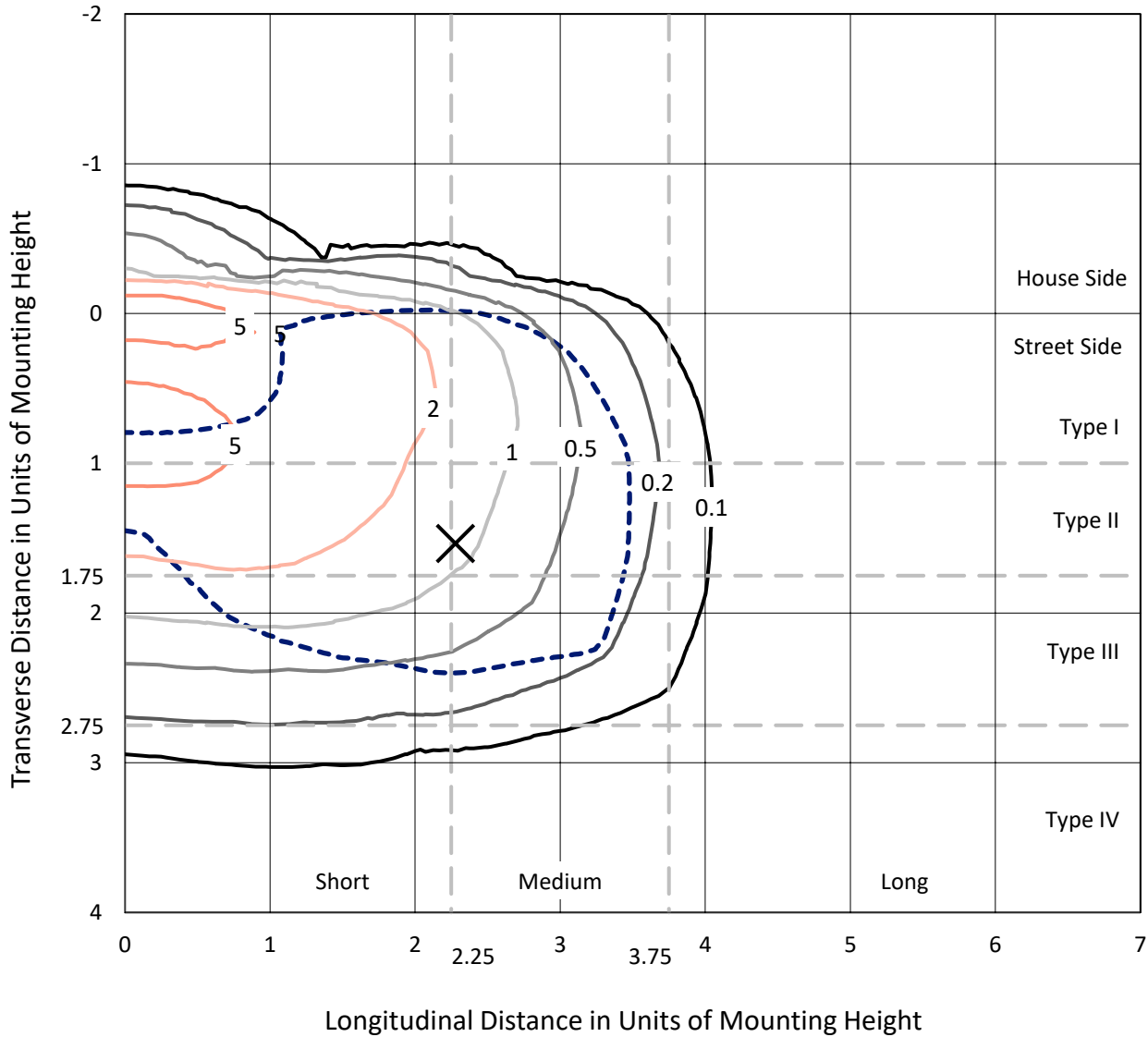
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643232
 CATALOG NUMBER: GWS-SA6E-740-U-T3R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

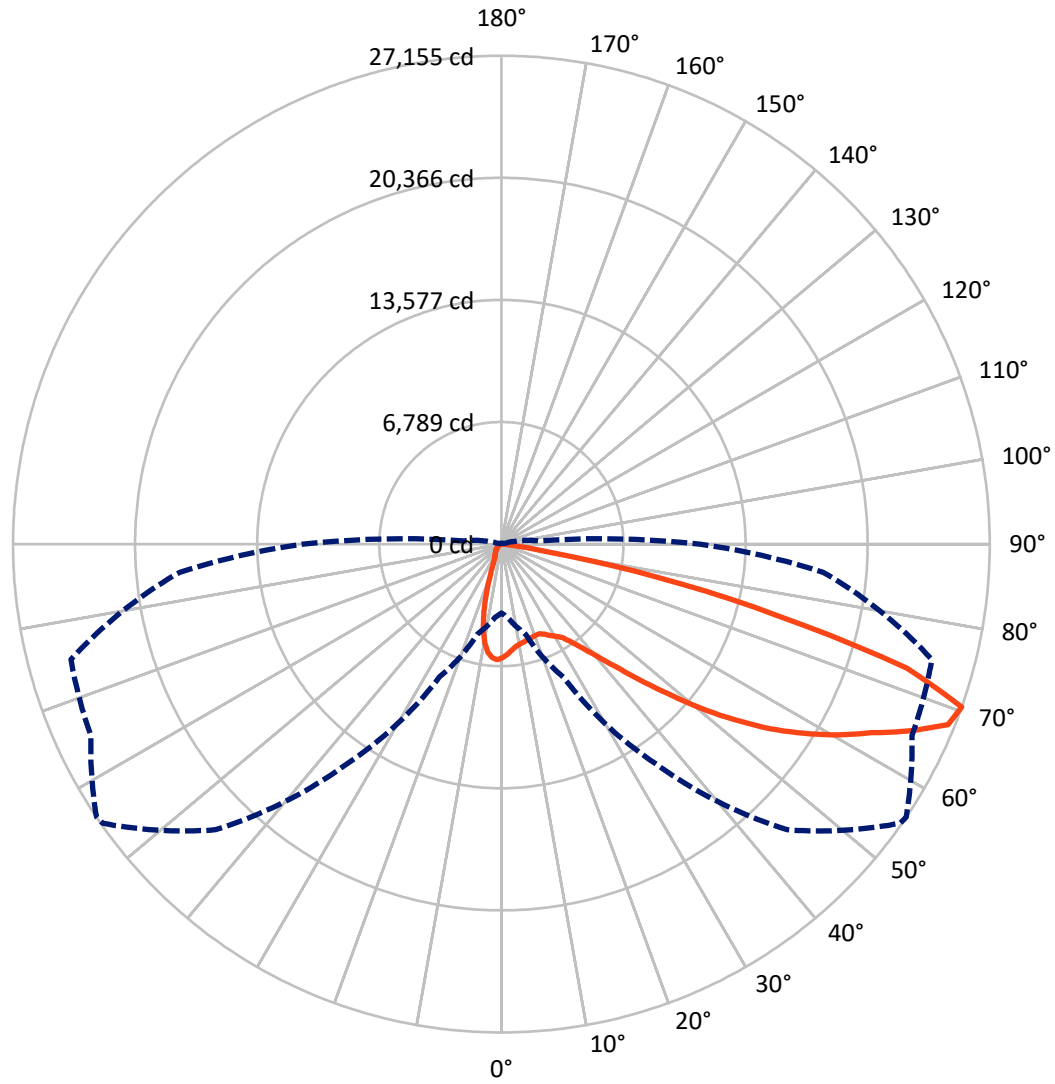
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P643232
CATALOG NUMBER: GWS-SA6E-740-U-T3R-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P643232
 CATALOG NUMBER: GWS-SA6E-740-U-T3R-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3147.5	0.0	3147.5
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	31895.2	0.0	31895.2
	% Fixture	91.0	0.0	91.0
Total	Lumens	35042.7	0.0	35042.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	542.5	1.5
10°-20°	1220.1	3.5
20°-30°	1932.7	5.5
30°-40°	3333.0	9.5
40°-50°	5628.3	16.1
50°-60°	8269.7	23.6
60°-70°	9804.2	28.0
70°-80°	4180.9	11.9
80°-90°	131.3	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°	35042.7	100.0
0°-180°	35042.7	100.0

Coefficient of Utilization

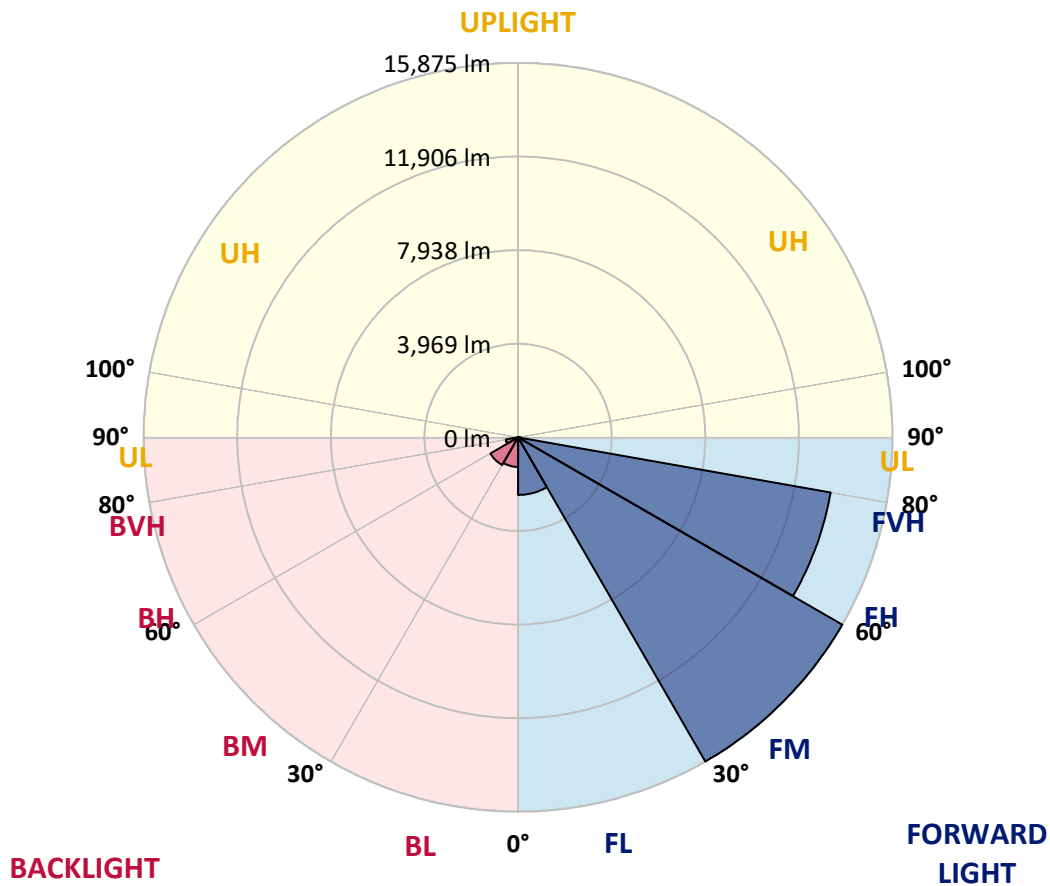


REPORT NUMBER: P643232
 CATALOG NUMBER: GWS-SA6E-740-U-T3R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2441.8	7.0			
FM (30°-60°)	15875.3	45.3			
FH (60°-80°)	13460.1	38.4			G5
FVH (80°-90°)	117.9	0.3			G2/225
BL (0°-30°)	1253.5	3.6	B3/2500		
BM (30°-60°)	1355.7	3.9	B2/2500		
BH (60°-80°)	525.0	1.5	B2/1000		G2/1000
BVH (80°-90°)	13.3	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Medium





REPORT NUMBER: P643232

CATALOG NUMBER: GWS-SA6E-740-U-T3R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	6318.6	6318.6	6318.6	6318.6	6318.6	6318.6	6318.6	6318.6	6318.6	6318.6	6318.6
2.5°	5882.1	5872.5	5878.9	5927.1	6016.9	6058.6	6129.2	6142.1	6199.8	6273.6	6302.5
5°	5500.3	5468.2	5484.2	5551.6	5654.3	5769.8	5901.4	5936.7	6081.1	6244.7	6366.7
7.5°	5150.5	5115.2	5153.7	5259.6	5404.0	5529.1	5724.9	5747.3	5978.4	6267.2	6488.6
10°	4601.7	4611.4	4688.4	4874.5	5095.9	5355.8	5619.0	5651.1	5936.7	6341.0	6684.4
12.5°	4181.3	4158.9	4242.3	4454.1	4765.4	5144.1	5538.8	5580.5	5939.9	6453.3	6934.7
15°	3985.6	3979.2	4014.5	4168.5	4470.2	4916.2	5465.0	5519.5	5981.6	6556.0	7172.1
17.5°	3992.0	3982.4	3979.2	4069.0	4293.7	4746.1	5384.7	5455.3	6016.9	6668.3	7422.5
20°	4271.2	4226.3	4146.0	4104.3	4239.1	4637.0	5330.2	5410.4	6068.2	6787.1	7688.8
22.5°	4855.2	4871.3	4656.3	4431.7	4367.5	4649.9	5323.8	5416.8	6180.6	6973.2	8016.1
25°	6023.3	5997.6	5599.7	5095.9	4746.1	4797.5	5436.1	5548.4	6402.0	7239.5	8324.2
27.5°	7486.6	7509.1	6963.6	6161.3	5429.7	5102.3	5641.4	5753.8	6658.7	7406.4	8529.6
30°	9081.5	9059.1	8475.0	7586.1	6398.8	5609.4	5846.8	5946.3	6787.1	7496.3	8741.4
32.5°	10589.8	10538.4	9960.8	9030.2	7634.2	6408.4	6129.2	6187.0	6957.1	7692.0	9027.0
35°	11876.6	11873.4	11369.5	10378.0	8905.0	7409.6	6613.8	6661.9	7274.8	8003.3	9447.3
37.5°	13205.1	13160.2	12595.4	11690.4	10211.1	8507.1	7355.1	7335.8	7775.4	8462.2	9964.0
40°	14296.2	14267.3	13834.1	12964.4	11568.5	9720.1	8253.6	8195.8	8369.1	9097.6	10682.8
42.5°	15104.8	15108.0	14973.3	14443.8	13006.1	11122.4	9383.2	9293.3	9290.1	10057.1	11632.7
45°	15717.8	15759.5	15961.6	15881.4	14703.7	12755.8	10830.4	10737.4	10580.1	11302.2	12720.5
47.5°	16003.4	16057.9	16667.6	16988.5	16189.5	14376.4	12553.7	12357.9	12049.9	12958.0	13936.8
50°	15974.5	16070.7	16921.1	17896.7	17537.3	16019.4	14430.9	14337.9	13834.1	14710.1	15140.1
52.5°	15319.8	15525.2	16937.2	18448.6	18573.8	17534.1	16372.4	16199.1	15955.2	16539.3	16269.7
55°	13542.0	13792.3	16260.1	18625.1	19382.5	18856.2	18272.1	18130.9	17726.6	18265.7	17254.9
57.5°	12576.1	12791.1	14835.3	18538.5	20069.2	20078.8	19963.3	19847.8	19514.0	19972.9	18410.1
60°	11995.3	12210.3	14074.7	18220.8	20691.7	21368.8	21551.7	21538.9	21057.6	21914.4	19764.3
62.5°	11144.9	11440.1	13282.1	17396.1	21134.6	22639.6	23191.6	23104.9	22569.0	23936.0	21105.7
65°	9428.1	9684.8	11658.4	16035.5	20874.6	23692.2	24969.3	25014.3	24394.9	25839.0	22164.7
67.5°	6610.6	6799.9	8760.6	13179.4	19109.7	24038.7	26788.9	26785.7	25729.9	26814.5	21696.2
70°	3831.6	4091.5	5176.1	8147.7	14867.4	22463.1	27061.6	27154.7	25187.6	24776.8	17954.4
72.5°	1482.6	1697.6	2933.0	4329.0	7753.0	17206.7	23278.2	23551.0	21080.0	19112.9	12495.9
75°	442.8	494.2	1379.9	2304.1	3112.7	8311.4	15759.5	15836.5	14459.8	11921.5	6405.2
77.5°	330.5	365.8	603.3	1164.9	1091.1	2519.1	8154.1	8905.0	7676.0	4258.4	1765.0
80°	224.6	266.3	430.0	568.0	404.3	670.7	2291.2	2515.9	2342.6	956.3	442.8
82.5°	99.5	128.4	304.9	285.6	147.6	192.5	706.0	750.9	484.6	288.8	154.0
85°	9.6	12.8	115.5	125.2	54.6	44.9	147.6	147.6	105.9	99.5	64.2
87.5°	0.0	0.0	3.2	6.4	6.4	9.6	12.8	16.0	19.3	25.7	32.1
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: P643232
 CATALOG NUMBER: GWS-SA6E-740-U-T3R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6318.6	6318.6	6318.6	6318.6	6318.6	6318.6	6318.6	6318.6	6318.6	6318.6	6318.6
2.5°	6376.3	6337.8	6385.9	6424.4	6434.1	6363.5	6321.8	6260.8	6248.0	6251.2	6235.1
5°	6463.0	6443.7	6479.0	6437.3	6328.2	6122.8	5946.3	5750.6	5644.7	5583.7	5577.3
7.5°	6623.4	6613.8	6575.3	6385.9	6045.8	5590.1	5150.5	4720.5	4454.1	4357.8	4341.8
10°	6860.9	6841.6	6684.4	6235.1	5509.9	4633.8	3895.7	3279.6	2904.2	2795.1	2660.3
12.5°	7133.6	7095.1	6751.8	5911.0	4701.2	3488.2	2567.2	1877.3	1553.2	1456.9	1456.9
15°	7396.8	7313.3	6713.3	5375.1	3706.4	2268.8	1434.4	1084.6	985.2	959.5	959.5
17.5°	7666.3	7505.9	6562.4	4643.4	2560.8	1341.4	956.3	888.9	876.1	879.3	882.5
20°	7919.9	7669.5	6296.1	3764.2	1633.4	937.0	856.8	840.8	834.3	840.8	837.6
22.5°	8195.8	7820.4	5891.8	2804.7	1062.2	844.0	815.1	802.3	795.8	805.5	805.5
25°	8468.6	7929.5	5355.8	1886.9	844.0	786.2	770.2	757.3	750.9	754.1	754.1
27.5°	8609.8	7887.8	4653.1	1203.4	757.3	728.4	712.4	696.4	686.7	683.5	686.7
30°	8706.1	7759.4	3793.1	856.8	686.7	651.4	635.4	622.5	596.9	580.8	587.2
32.5°	8856.9	7631.0	2859.2	718.8	629.0	574.4	548.7	516.7	481.4	465.3	465.3
35°	9036.6	7454.5	2005.6	648.2	568.0	510.2	462.1	407.5	365.8	353.0	353.0
37.5°	9274.1	7287.7	1335.0	600.1	516.7	455.7	388.3	324.1	279.2	272.8	269.6
40°	9630.3	7146.5	940.2	564.8	471.7	397.9	317.7	250.3	218.2	208.6	208.6
42.5°	10092.4	7002.1	744.5	529.5	433.2	343.4	253.5	199.0	173.3	166.9	163.7
45°	10663.6	6832.0	648.2	497.4	394.7	285.6	202.2	166.9	147.6	141.2	141.2
47.5°	11282.9	6600.9	603.3	455.7	349.8	231.0	170.1	144.4	134.8	131.6	128.4
50°	11892.6	6289.7	564.8	417.2	298.4	189.3	147.6	131.6	125.2	121.9	121.9
52.5°	12425.3	5927.1	516.7	372.2	243.9	163.7	131.6	121.9	115.5	109.1	105.9
55°	12881.0	5532.3	455.7	320.9	199.0	144.4	121.9	112.3	105.9	99.5	96.3
57.5°	13468.2	5307.7	365.8	259.9	163.7	128.4	112.3	102.7	96.3	86.6	86.6
60°	14119.7	5144.1	272.8	205.4	141.2	118.7	102.7	93.1	86.6	77.0	77.0
62.5°	14642.7	4900.2	215.0	166.9	121.9	105.9	93.1	83.4	77.0	67.4	67.4
65°	14841.7	4396.4	176.5	131.6	99.5	93.1	83.4	77.0	67.4	57.8	57.8
67.5°	13943.2	3388.7	147.6	105.9	83.4	80.2	73.8	70.6	57.8	51.3	48.1
70°	11042.2	2066.6	121.9	86.6	70.6	67.4	67.4	61.0	51.3	48.1	44.9
72.5°	7566.9	1065.4	99.5	70.6	61.0	61.0	57.8	54.6	48.1	44.9	44.9
75°	3931.0	356.2	77.0	54.6	48.1	51.3	51.3	48.1	44.9	44.9	41.7
77.5°	1126.4	160.5	57.8	41.7	38.5	38.5	41.7	41.7	41.7	38.5	38.5
80°	292.0	93.1	41.7	32.1	32.1	32.1	32.1	35.3	38.5	35.3	35.3
82.5°	118.7	51.3	28.9	25.7	25.7	25.7	25.7	28.9	32.1	32.1	32.1
85°	73.8	25.7	22.5	22.5	22.5	19.3	19.3	22.5	22.5	25.7	25.7
87.5°	44.9	19.3	19.3	19.3	19.3	16.0	16.0	16.0	16.0	16.0	16.0
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)