

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: P643201

Luminaire Tested: GWS-SA6E-740-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643201
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-740-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35485.6 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G5

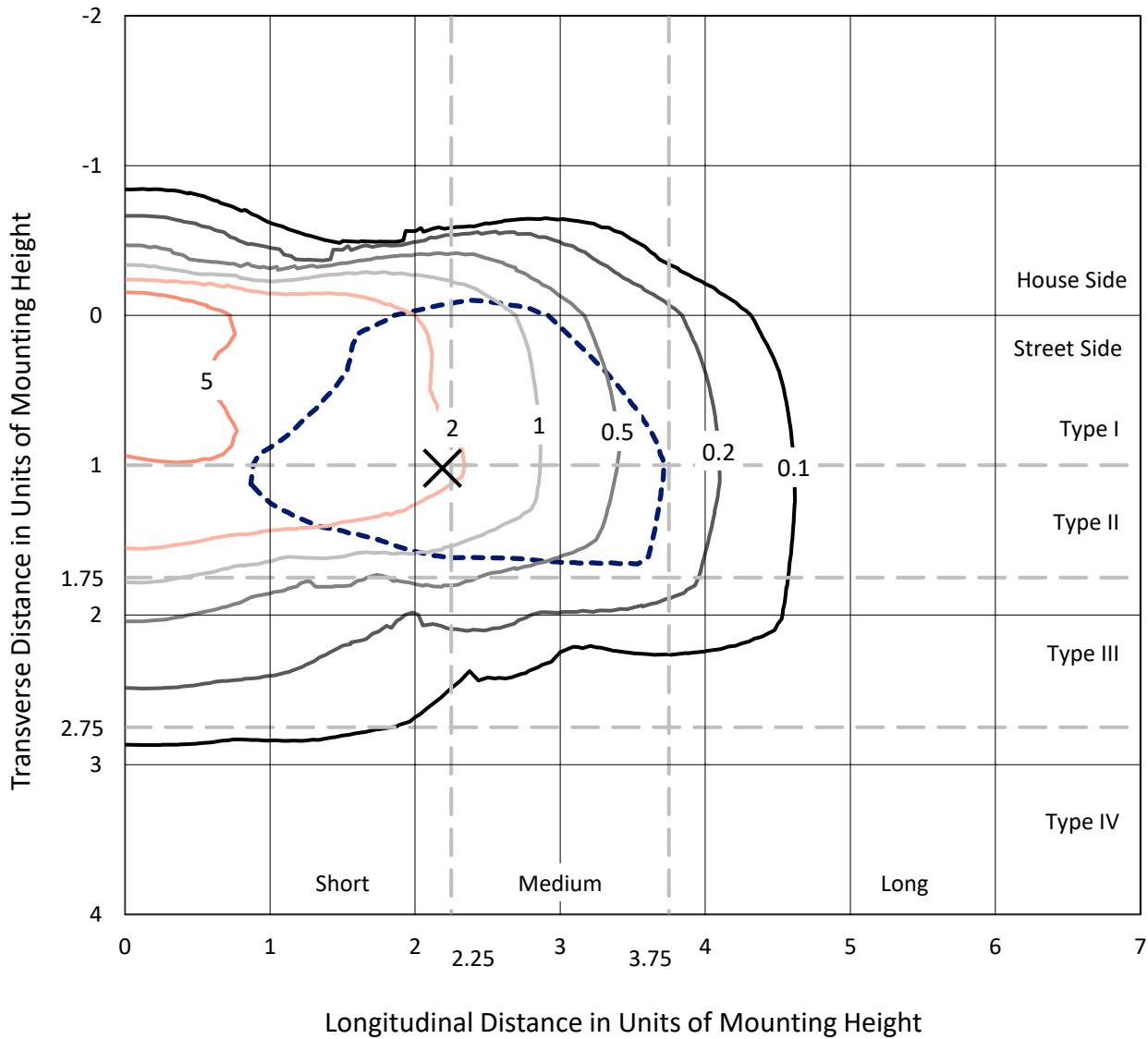
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643201
 CATALOG NUMBER: GWS-SA6E-740-U-SL2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

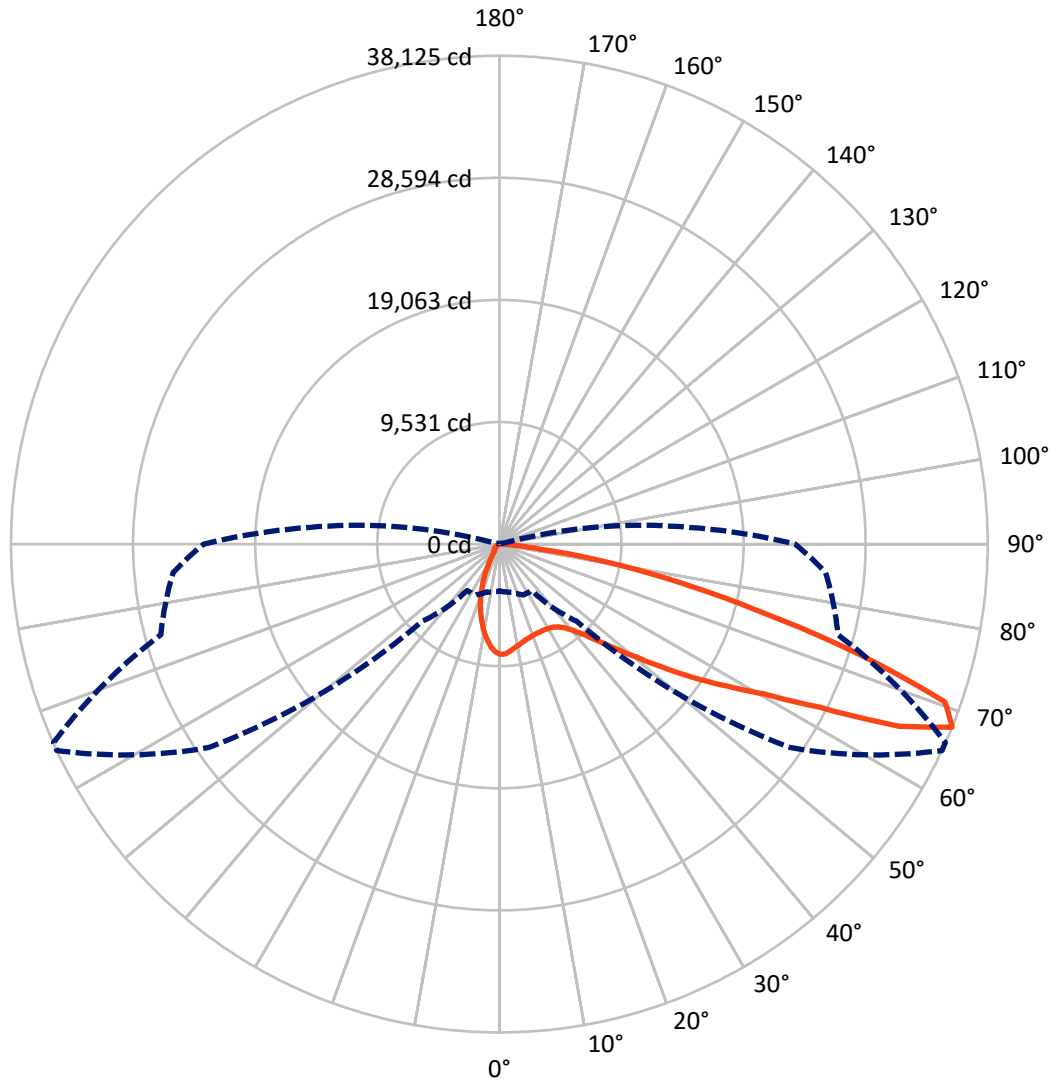
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.6 fc
 Type II - Short - N/A

REPORT NUMBER: P643201
CATALOG NUMBER: GWS-SA6E-740-U-SL2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P643201
 CATALOG NUMBER: GWS-SA6E-740-U-SL2-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4431.1	0.0	4431.1
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	31054.5	0.0	31054.5
	% Fixture	87.5	0.0	87.5
Total	Lumens	35485.6	0.0	35485.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	714.8	2.0
10°-20°	1606.8	4.5
20°-30°	2296.1	6.5
30°-40°	3340.5	9.4
40°-50°	5231.8	14.7
50°-60°	8161.8	23.0
60°-70°	8965.3	25.3
70°-80°	4771.3	13.4
80°-90°	397.2	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°	35485.6	100.0
0°-180°	35485.6	100.0

Coefficient of Utilization

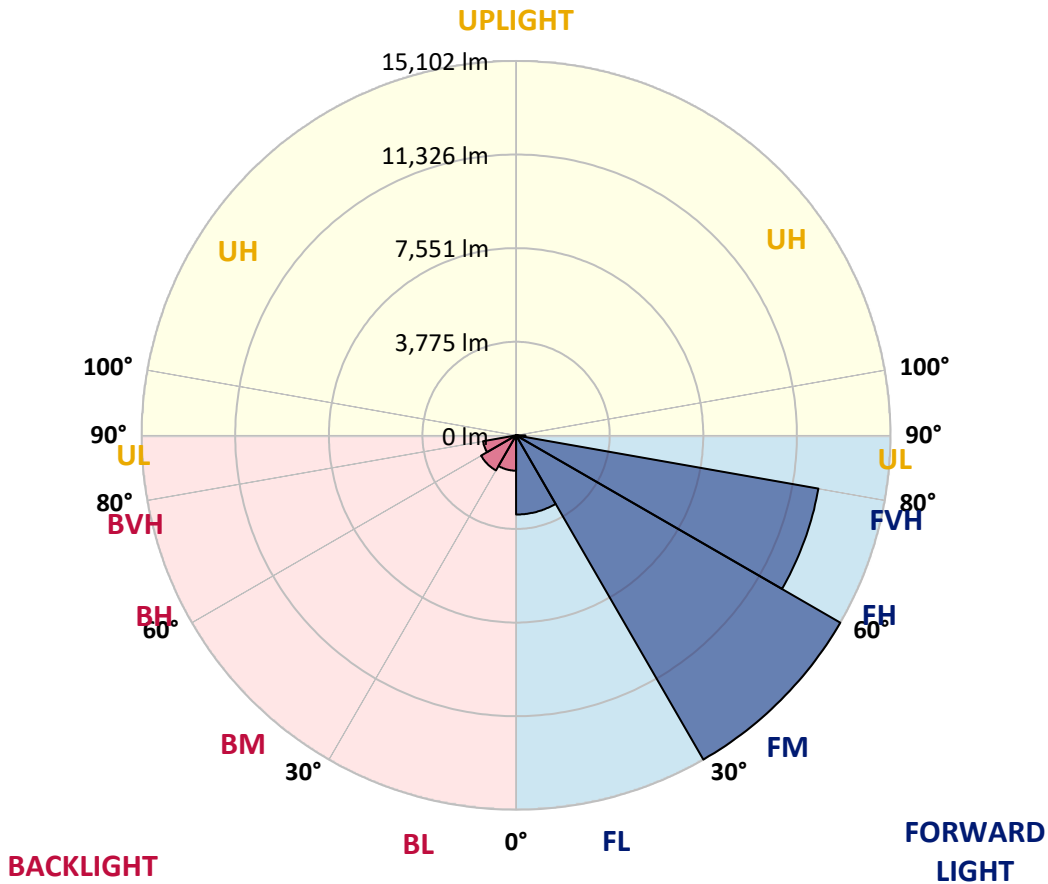


REPORT NUMBER: P643201
 CATALOG NUMBER: GWS-SA6E-740-U-SL2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3193.5	9.0			
FM (30°-60°)	15101.9	42.6			
FH (60°-80°)	12383.1	34.9			G5
FVH (80°-90°)	376.0	1.1			G3/500
BL (0°-30°)	1424.2	4.0	B3/2500		
BM (30°-60°)	1632.2	4.6	B2/2500		
BH (60°-80°)	1353.4	3.8	B3/2500		G3/2500
BVH (80°-90°)	21.3	0.1			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 II Short





REPORT NUMBER: P643201

CATALOG NUMBER: GWS-SA6E-740-U-SL2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	8606.4	8606.4	8606.4	8606.4	8606.4	8606.4	8606.4	8606.4	8606.4	8606.4	8606.4
2.5°	8307.9	8333.6	8298.3	8385.0	8401.0	8497.3	8551.8	8590.3	8587.1	8635.3	8635.3
5°	7820.2	7845.9	7826.6	7919.7	7993.5	8144.3	8269.4	8413.8	8420.3	8567.9	8622.4
7.5°	7406.2	7409.4	7409.4	7525.0	7621.2	7807.3	7993.5	8214.9	8240.6	8468.4	8612.8
10°	7066.1	7075.7	7078.9	7210.5	7316.4	7541.0	7778.5	8044.8	8073.7	8381.8	8606.4
12.5°	6831.8	6835.0	6847.9	6985.9	7101.4	7335.6	7576.3	7881.2	7919.7	8282.3	8577.5
15°	6719.5	6713.1	6719.5	6835.0	6950.6	7175.2	7422.3	7749.6	7791.3	8198.8	8580.7
17.5°	6713.1	6703.5	6697.1	6783.7	6857.5	7056.5	7306.8	7662.9	7707.9	8160.3	8616.0
20°	6806.2	6799.7	6767.7	6806.2	6822.2	6985.9	7232.9	7595.6	7640.5	8153.9	8693.0
22.5°	7050.0	7034.0	6985.9	6950.6	6863.9	6960.2	7181.6	7547.4	7598.8	8170.0	8792.5
25°	7412.7	7406.2	7345.3	7258.6	7037.2	6998.7	7184.8	7547.4	7595.6	8189.2	8898.4
27.5°	7958.2	7919.7	7842.6	7691.8	7374.1	7149.5	7249.0	7566.7	7614.8	8214.9	8985.0
30°	8513.3	8510.1	8484.4	8330.4	7858.7	7438.3	7383.8	7618.0	7662.9	8237.3	9065.3
32.5°	9087.7	9097.3	9161.5	9042.8	8526.2	7868.3	7627.6	7723.9	7756.0	8282.3	9135.9
35°	9633.2	9652.5	9822.6	9864.3	9338.0	8519.7	8025.6	7935.7	7938.9	8381.8	9228.9
37.5°	10156.3	10220.5	10493.2	10695.4	10348.8	9309.1	8600.0	8295.1	8269.4	8580.7	9370.1
40°	10749.9	10871.9	11215.2	11558.6	11449.5	10352.0	9382.9	8847.0	8792.5	8946.5	9623.6
42.5°	11407.8	11539.3	11995.0	12476.4	12527.7	11613.2	10361.7	9652.5	9559.4	9562.6	10098.5
45°	12113.7	12290.2	12819.7	13512.8	13824.1	13018.7	11568.2	10740.3	10647.3	10509.3	10862.3
47.5°	13041.1	13195.2	13705.4	14504.4	15101.3	14526.9	13150.2	12139.4	11969.3	11767.2	12049.6
50°	13840.2	13974.9	14414.6	15415.7	16657.6	16471.5	14944.0	13888.3	13724.6	13381.3	13615.5
52.5°	14016.6	14122.5	14526.9	15653.2	17848.1	18926.3	17142.2	16003.0	15887.5	15252.1	15341.9
55°	13224.0	13384.5	13747.1	14998.6	18159.4	21326.6	19994.9	18387.2	18146.6	17132.5	17293.0
57.5°	11221.7	11507.3	11847.4	13474.3	17315.4	22603.8	23980.4	20912.7	20694.5	18942.4	18945.6
60°	8224.5	8455.6	8683.4	10172.3	15313.1	22517.1	27596.9	23749.4	23351.5	20421.7	20367.1
62.5°	5981.5	6100.2	6097.0	6626.5	10515.7	21034.6	29496.6	28023.7	27096.3	22003.7	21692.4
65°	4704.3	4701.1	4839.1	5012.4	5872.4	16237.2	29730.8	34265.1	33263.9	24124.8	23476.6
67.5°	3661.4	3732.0	3870.0	4380.2	4412.3	8497.3	27670.7	38125.4	38106.2	27362.6	25565.6
70°	2823.9	2920.1	3115.9	3860.4	4075.4	4755.6	20704.1	36902.8	37214.1	28809.9	24086.3
72.5°	1813.1	1806.6	2095.4	3119.1	3914.9	3963.0	11449.5	29313.7	29666.6	26095.1	19475.1
75°	1014.0	1020.4	1184.1	1909.3	3648.6	3728.8	5670.2	20903.0	21182.2	20344.7	14963.3
77.5°	397.9	410.7	555.1	1004.4	2406.7	3330.9	3369.4	14254.1	14295.8	12607.9	9177.6
80°	160.4	170.1	282.4	622.5	1466.5	2243.0	2406.7	8397.8	8227.7	4880.8	2669.8
82.5°	48.1	51.3	112.3	353.0	766.9	1594.8	1623.7	3221.8	3042.1	1049.3	680.3
85°	3.2	3.2	25.7	109.1	272.8	401.1	1081.4	1049.3	930.6	263.1	301.6
87.5°	0.0	0.0	3.2	3.2	6.4	12.8	115.5	192.5	195.7	48.1	134.8
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: P643201

CATALOG NUMBER: GWS-SA6E-740-U-SL2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8606.4	8606.4	8606.4	8606.4	8606.4	8606.4	8606.4	8606.4	8606.4	8606.4	8606.4
2.5°	8635.3	8519.7	8510.1	8420.3	8330.4	8218.1	8086.5	7990.3	7922.9	7804.1	7781.7
5°	8622.4	8468.4	8324.0	8067.3	7781.7	7473.6	7204.1	6953.8	6796.5	6690.6	6645.7
7.5°	8596.7	8401.0	8067.3	7582.7	7104.6	6565.5	6145.1	5760.0	5496.9	5342.9	5275.5
10°	8577.5	8314.4	7772.1	7037.2	6295.9	5551.5	4912.9	4341.7	4024.0	3773.7	3732.0
12.5°	8539.0	8189.2	7393.4	6398.6	5442.4	4454.0	3638.9	2939.4	2454.8	2236.6	2159.6
15°	8500.5	8057.6	7014.7	5724.7	4511.8	3292.4	2304.0	1630.1	1296.4	1193.7	1187.3
17.5°	8494.1	7938.9	6604.0	5086.2	3536.3	2156.4	1312.5	1055.7	985.1	959.5	959.5
20°	8513.3	7839.4	6199.7	4351.3	2576.8	1312.5	978.7	914.5	872.8	850.4	850.4
22.5°	8532.6	7736.8	5811.4	3610.1	1710.4	959.5	863.2	808.7	760.5	734.8	722.0
25°	8545.4	7624.4	5381.4	2865.6	1116.7	834.3	757.3	686.7	629.0	596.9	596.9
27.5°	8542.2	7489.7	4948.2	2137.2	866.4	741.3	648.2	574.4	516.6	481.3	484.5
30°	8516.5	7342.1	4498.9	1492.2	757.3	648.2	555.1	478.1	420.4	391.5	388.3
32.5°	8497.3	7184.8	3979.1	1049.3	680.3	568.0	471.7	397.9	349.8	327.3	324.1
35°	8474.8	7030.8	3484.9	799.0	612.9	491.0	397.9	336.9	298.4	279.2	279.2
37.5°	8481.2	6870.3	2949.0	686.7	545.5	426.8	340.1	288.8	256.7	237.5	234.3
40°	8580.7	6774.1	2422.7	622.5	484.5	369.0	295.2	250.3	218.2	199.0	195.7
42.5°	8827.8	6777.3	1918.9	574.4	430.0	314.5	256.7	215.0	186.1	163.7	160.4
45°	9322.0	6912.1	1472.9	523.1	372.2	272.8	221.4	182.9	154.0	134.8	131.6
47.5°	10130.6	7313.2	1116.7	478.1	324.1	237.5	189.3	154.0	128.4	112.3	109.1
50°	11417.4	8038.4	879.2	423.6	272.8	205.4	160.4	128.4	105.9	89.9	86.6
52.5°	12964.1	9126.2	754.1	375.4	234.3	179.7	138.0	105.9	86.6	73.8	70.6
55°	14741.9	10425.8	696.3	327.3	199.0	154.0	112.3	86.6	70.6	61.0	54.6
57.5°	16372.0	11597.1	693.1	279.2	170.1	131.6	93.1	73.8	61.0	48.1	44.9
60°	17960.4	12575.8	651.4	231.0	147.6	109.1	80.2	61.0	51.3	41.7	38.5
62.5°	19401.2	13371.7	545.5	186.1	125.1	89.9	67.4	54.6	44.9	35.3	35.3
65°	21211.1	14385.7	417.2	150.8	102.7	73.8	57.8	48.1	41.7	32.1	32.1
67.5°	23081.9	14921.6	298.4	125.1	83.4	64.2	51.3	44.9	35.3	28.9	28.9
70°	20906.2	12607.9	215.0	102.7	70.6	54.6	44.9	41.7	35.3	28.9	25.7
72.5°	16327.1	9090.9	160.4	80.2	61.0	51.3	41.7	38.5	32.1	25.7	25.7
75°	12107.3	5301.2	121.9	64.2	48.1	41.7	41.7	38.5	32.1	25.7	22.5
77.5°	6581.5	1848.3	93.1	51.3	38.5	32.1	35.3	35.3	28.9	22.5	19.3
80°	1742.5	507.0	64.2	38.5	32.1	25.7	25.7	32.1	25.7	19.3	19.3
82.5°	507.0	147.6	44.9	32.1	25.7	22.5	22.5	22.5	19.3	16.0	12.8
85°	247.1	54.6	32.1	25.7	22.5	19.3	16.0	16.0	12.8	9.6	9.6
87.5°	109.1	22.5	25.7	22.5	22.5	16.0	12.8	9.6	9.6	6.4	3.2
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)