

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: P642985

Luminaire Tested: GWS-SA6E-722-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642985
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-722-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26705.8 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

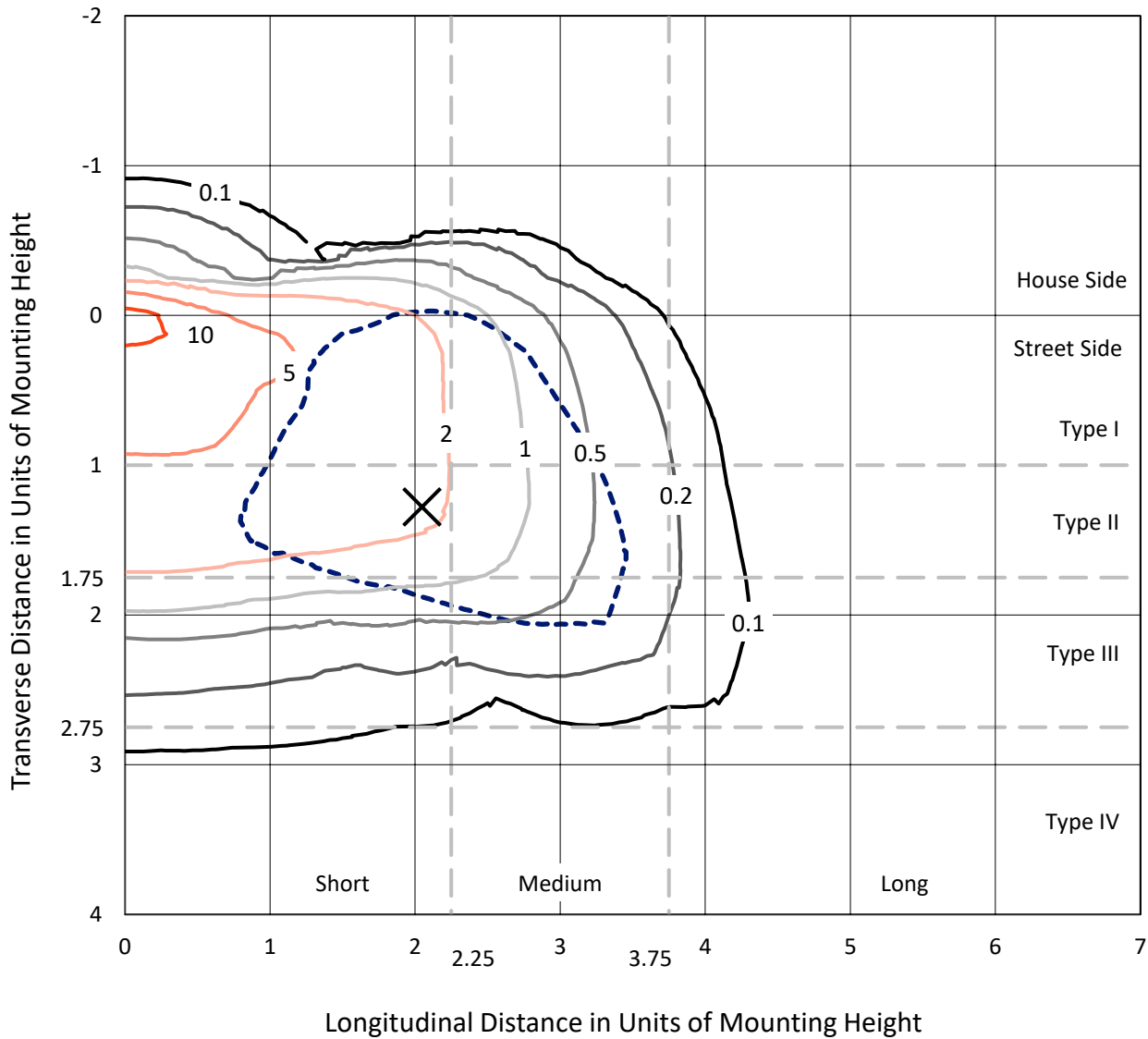
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642985
 CATALOG NUMBER: GWS-SA6E-722-U-SL3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

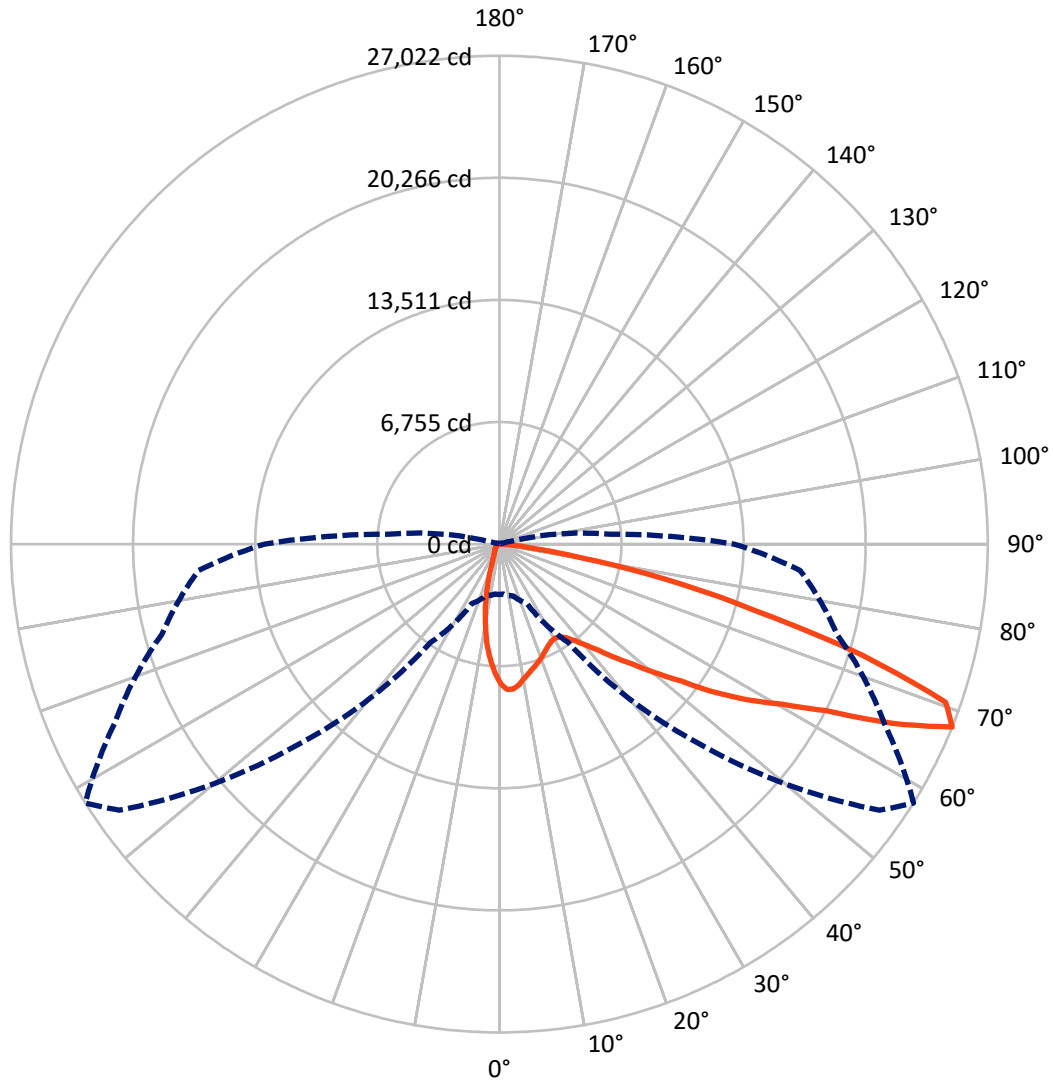
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 fc
 Type III - Short - N/A

REPORT NUMBER: P642985
CATALOG NUMBER: GWS-SA6E-722-U-SL3-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P642985
 CATALOG NUMBER: GWS-SA6E-722-U-SL3-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2609.0	0.0	2609.0
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	24096.8	0.0	24096.8
	% Fixture	90.2	0.0	90.2
Total	Lumens	26705.8	0.0	26705.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	626.0	2.3
10°-20°	1303.0	4.9
20°-30°	1757.2	6.6
30°-40°	2469.3	9.2
40°-50°	3813.5	14.3
50°-60°	6098.3	22.8
60°-70°	7220.9	27.0
70°-80°	3194.3	12.0
80°-90°	223.3	0.8
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°	26705.8	100.0
0°-180°	26705.8	100.0

Coefficient of Utilization



REPORT NUMBER: P642985

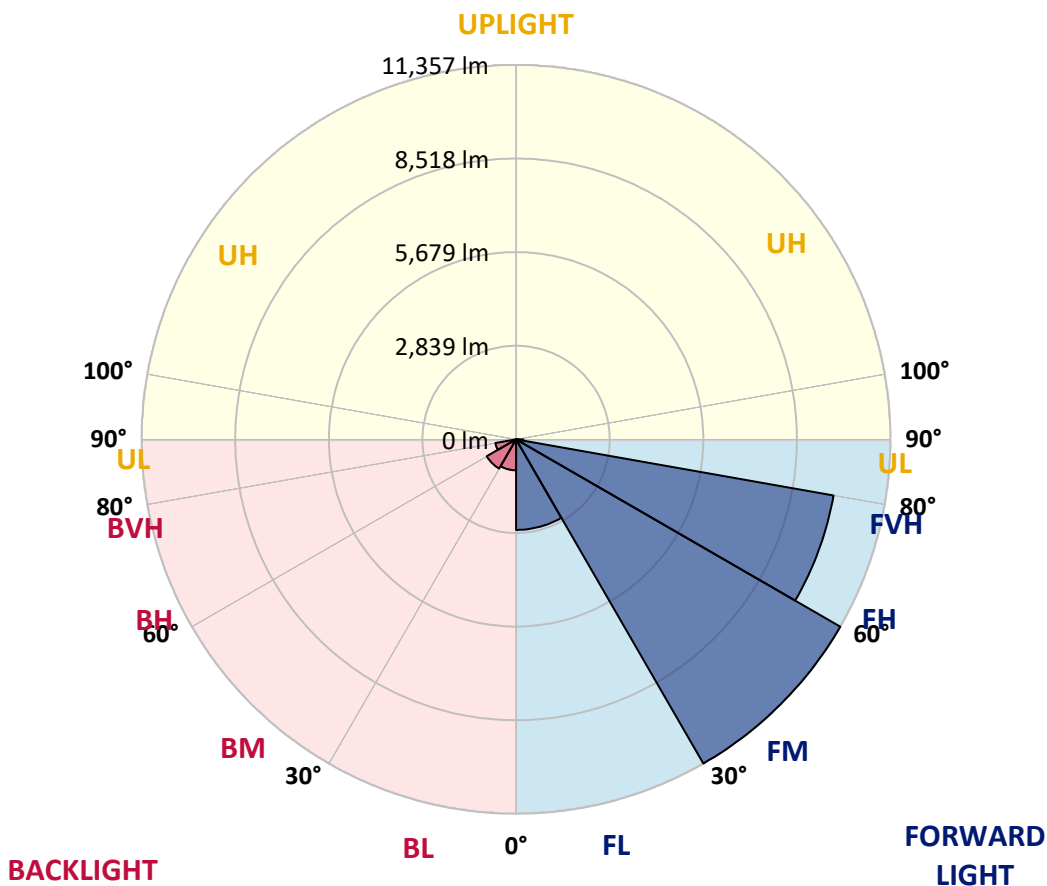
CATALOG NUMBER: GWS-SA6E-722-U-SL3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2747.3	10.3			
FM (30°-60°)	11357.4	42.5			
FH (60°-80°)	9778.2	36.6			G4/12000
FVH (80°-90°)	213.8	0.8			G2/225
BL (0°-30°)	938.9	3.5	B2/1000		
BM (30°-60°)	1023.7	3.8	B2/2500		
BH (60°-80°)	636.9	2.4	B2/1000		G2/1000
BVH (80°-90°)	9.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Short





REPORT NUMBER: P642985

CATALOG NUMBER: GWS-SA6E-722-U-SL3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	7703.2	7703.2	7703.2	7703.2	7703.2	7703.2	7703.2	7703.2	7703.2	7703.2	7703.2
2.5°	8102.7	8116.8	8135.8	8159.4	8154.7	8133.4	8107.4	8048.3	8010.5	7892.3	7748.1
5°	7842.7	7840.3	7887.6	7932.5	8012.8	8055.4	8114.5	8060.1	8041.2	7899.4	7665.4
7.5°	7334.5	7360.5	7414.8	7485.7	7601.6	7726.8	7868.7	7852.1	7908.8	7814.3	7523.6
10°	6835.7	6821.6	6906.6	7013.0	7190.3	7351.0	7556.7	7554.3	7703.2	7693.8	7362.8
12.5°	6398.5	6396.1	6462.3	6582.8	6790.8	7015.4	7294.3	7301.4	7485.7	7561.4	7225.7
15°	6029.7	6034.5	6098.3	6223.5	6438.6	6712.8	7036.7	7095.7	7303.7	7457.4	7091.0
17.5°	5767.4	5769.7	5807.5	5916.3	6126.6	6419.7	6809.7	6890.1	7157.2	7379.4	6982.3
20°	5646.8	5637.4	5644.4	5698.8	5861.9	6129.0	6578.1	6682.1	7022.5	7325.0	6883.0
22.5°	5663.4	5649.2	5616.1	5609.0	5682.3	5885.5	6332.3	6459.9	6875.9	7291.9	6793.2
25°	5809.9	5779.2	5731.9	5661.0	5632.6	5734.3	6117.2	6249.5	6738.8	7294.3	6724.6
27.5°	6034.5	6001.4	5942.3	5847.7	5736.6	5694.1	5970.6	6095.9	6641.9	7348.7	6691.6
30°	6320.5	6294.5	6237.7	6124.3	5975.4	5800.5	5939.9	6043.9	6594.6	7459.7	6705.7
32.5°	6658.5	6639.6	6592.3	6488.3	6318.1	6051.0	6043.9	6124.3	6632.5	7620.5	6760.1
35°	6984.6	6991.7	6994.1	6937.4	6755.4	6431.6	6329.9	6358.3	6788.5	7861.6	6883.0
37.5°	7336.8	7320.3	7405.4	7445.6	7270.7	6925.6	6771.9	6774.3	7086.3	8218.5	7114.7
40°	7603.9	7608.7	7793.0	7958.5	7885.2	7551.9	7332.1	7329.7	7544.8	8707.8	7488.1
42.5°	7854.5	7885.2	8157.0	8440.7	8542.3	8246.9	8088.5	8029.4	8187.8	9369.6	8048.3
45°	8121.6	8166.5	8547.0	8951.2	9218.3	9043.4	8918.1	8941.8	8960.7	10140.2	8802.3
47.5°	8433.6	8461.9	8932.3	9502.0	10000.7	9955.8	9962.9	9934.5	9925.1	11111.6	9799.8
50°	8811.8	8878.0	9419.2	10100.0	10780.7	11078.5	11177.8	11189.6	11036.0	12170.5	10832.7
52.5°	9615.4	9695.8	10159.1	10754.7	11631.6	12258.0	12662.2	12581.8	12345.5	13196.4	11964.9
55°	10563.2	10624.7	11071.4	11688.4	12671.6	13550.9	14510.6	14477.5	13898.4	14276.6	12896.2
57.5°	10653.1	10721.6	11414.2	12359.6	14007.1	15148.8	16158.1	16264.4	15415.9	15042.4	13728.2
60°	9643.8	9783.2	10728.7	12000.4	14517.7	17297.3	17963.9	17985.2	16529.2	15820.1	14744.6
62.5°	7729.2	7795.4	8747.9	10407.2	13730.6	18550.1	20722.3	20273.2	17959.2	17023.2	16354.2
65°	4051.3	4320.8	5150.4	6987.0	11135.3	18112.8	24040.9	23918.0	20530.9	18746.3	17607.0
67.5°	2779.7	2777.3	2973.5	3642.4	6639.6	15595.5	25669.5	27021.5	23504.4	19337.2	16699.3
70°	2115.5	2122.6	2297.5	2732.4	3439.1	10381.2	23882.5	26194.2	24057.5	17557.4	13506.0
72.5°	1404.0	1418.2	1708.9	2207.7	2746.6	5089.0	18559.6	20958.7	20242.5	14101.7	9506.7
75°	839.1	850.9	1058.9	1604.9	2441.7	2848.2	11792.4	14489.3	13933.8	9719.4	5096.1
77.5°	345.1	354.6	543.6	999.8	1786.9	2212.4	6521.4	9480.7	8346.1	3864.6	1392.2
80°	144.2	148.9	262.4	699.6	1288.2	1387.5	3020.8	4455.5	3420.2	832.0	425.5
82.5°	52.0	54.4	96.9	385.3	801.3	1044.7	1524.6	1760.9	964.4	271.8	229.3
85°	2.4	2.4	23.6	130.0	304.9	295.5	872.2	843.8	319.1	113.5	137.1
87.5°	0.0	0.0	2.4	2.4	4.7	11.8	82.7	146.5	68.5	28.4	59.1
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: P642985
 CATALOG NUMBER: GWS-SA6E-722-U-SL3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7703.2	7703.2	7703.2	7703.2	7703.2	7703.2	7703.2	7703.2	7703.2	7703.2	7703.2
2.5°	7653.6	7528.3	7391.2	7263.6	7060.3	6939.7	6790.8	6724.6	6630.1	6606.5	6620.6
5°	7497.6	7282.5	6953.9	6656.1	6270.8	5961.2	5649.2	5516.8	5346.6	5233.2	5185.9
7.5°	7277.7	6996.5	6483.6	5942.3	5412.8	4847.9	4417.7	4134.1	3876.4	3734.6	3706.2
10°	7055.6	6689.2	5954.1	5178.8	4358.6	3682.6	3101.1	2670.9	2321.1	2162.8	2039.8
12.5°	6826.3	6370.1	5415.2	4403.5	3451.0	2529.1	1810.6	1392.2	1141.7	1042.4	1058.9
15°	6615.9	6062.8	4881.0	3628.2	2429.9	1526.9	999.8	843.8	784.7	765.8	763.5
17.5°	6415.0	5772.1	4349.2	2874.2	1602.6	936.0	765.8	728.0	711.5	702.0	702.0
20°	6233.0	5493.2	3829.1	2165.1	1035.3	742.2	692.6	673.6	659.5	652.4	652.4
22.5°	6062.8	5223.7	3321.0	1531.7	763.5	666.6	635.8	616.9	600.4	590.9	590.9
25°	5909.2	4980.3	2836.4	1054.2	657.1	609.8	576.7	555.5	527.1	510.6	510.6
27.5°	5798.1	4762.8	2370.8	768.2	593.3	548.4	510.6	482.2	451.5	432.6	427.8
30°	5731.9	4578.4	1900.4	631.1	534.2	489.3	446.7	411.3	375.8	356.9	354.6
32.5°	5694.1	4408.2	1470.2	550.7	484.6	432.6	385.3	347.5	312.0	290.7	288.4
35°	5708.3	4275.9	1101.5	496.4	437.3	382.9	330.9	293.1	262.4	243.5	238.7
37.5°	5831.2	4216.8	827.3	453.8	397.1	340.4	286.0	250.5	222.2	208.0	205.6
40°	6069.9	4228.6	650.0	420.7	364.0	297.8	245.8	212.7	191.5	179.6	177.3
42.5°	6441.0	4327.9	536.6	392.4	328.6	260.0	212.7	186.7	165.5	153.6	151.3
45°	6994.1	4533.5	468.0	359.3	290.7	224.5	184.4	160.7	141.8	127.6	125.3
47.5°	7795.4	4890.4	423.1	328.6	257.6	193.8	158.4	134.7	118.2	106.4	104.0
50°	8648.7	5318.3	385.3	297.8	229.3	167.8	134.7	111.1	96.9	85.1	82.7
52.5°	9558.7	5779.2	356.9	269.5	203.3	144.2	113.5	92.2	78.0	66.2	63.8
55°	10433.2	6242.5	323.8	250.5	172.5	122.9	94.5	75.6	61.5	52.0	52.0
57.5°	11284.2	6667.9	288.4	219.8	141.8	104.0	78.0	61.5	49.6	42.5	40.2
60°	12300.5	7256.5	248.2	186.7	118.2	87.5	63.8	49.6	40.2	33.1	33.1
62.5°	13810.9	7868.7	212.7	156.0	99.3	73.3	52.0	40.2	33.1	28.4	26.0
65°	14304.9	7537.7	179.6	127.6	80.4	59.1	42.5	35.5	28.4	26.0	23.6
67.5°	12986.0	6178.6	148.9	104.0	66.2	49.6	37.8	30.7	26.0	23.6	21.3
70°	10133.1	4384.6	115.8	78.0	54.4	40.2	33.1	28.4	23.6	21.3	21.3
72.5°	6892.5	2592.9	92.2	59.1	44.9	35.5	28.4	26.0	23.6	21.3	18.9
75°	3394.2	921.8	70.9	44.9	35.5	30.7	26.0	23.6	21.3	18.9	18.9
77.5°	914.7	255.3	54.4	35.5	28.4	23.6	23.6	23.6	21.3	16.5	16.5
80°	309.6	106.4	40.2	26.0	23.6	18.9	16.5	21.3	18.9	16.5	14.2
82.5°	170.2	52.0	28.4	21.3	16.5	14.2	14.2	14.2	14.2	11.8	11.8
85°	108.7	28.4	18.9	16.5	16.5	11.8	9.5	9.5	7.1	7.1	7.1
87.5°	49.6	16.5	16.5	14.2	14.2	11.8	7.1	4.7	2.4	2.4	2.4
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)