

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: P642816

Luminaire Tested: GWS-SA6D-760-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642816
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-SA6D-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28649.1 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

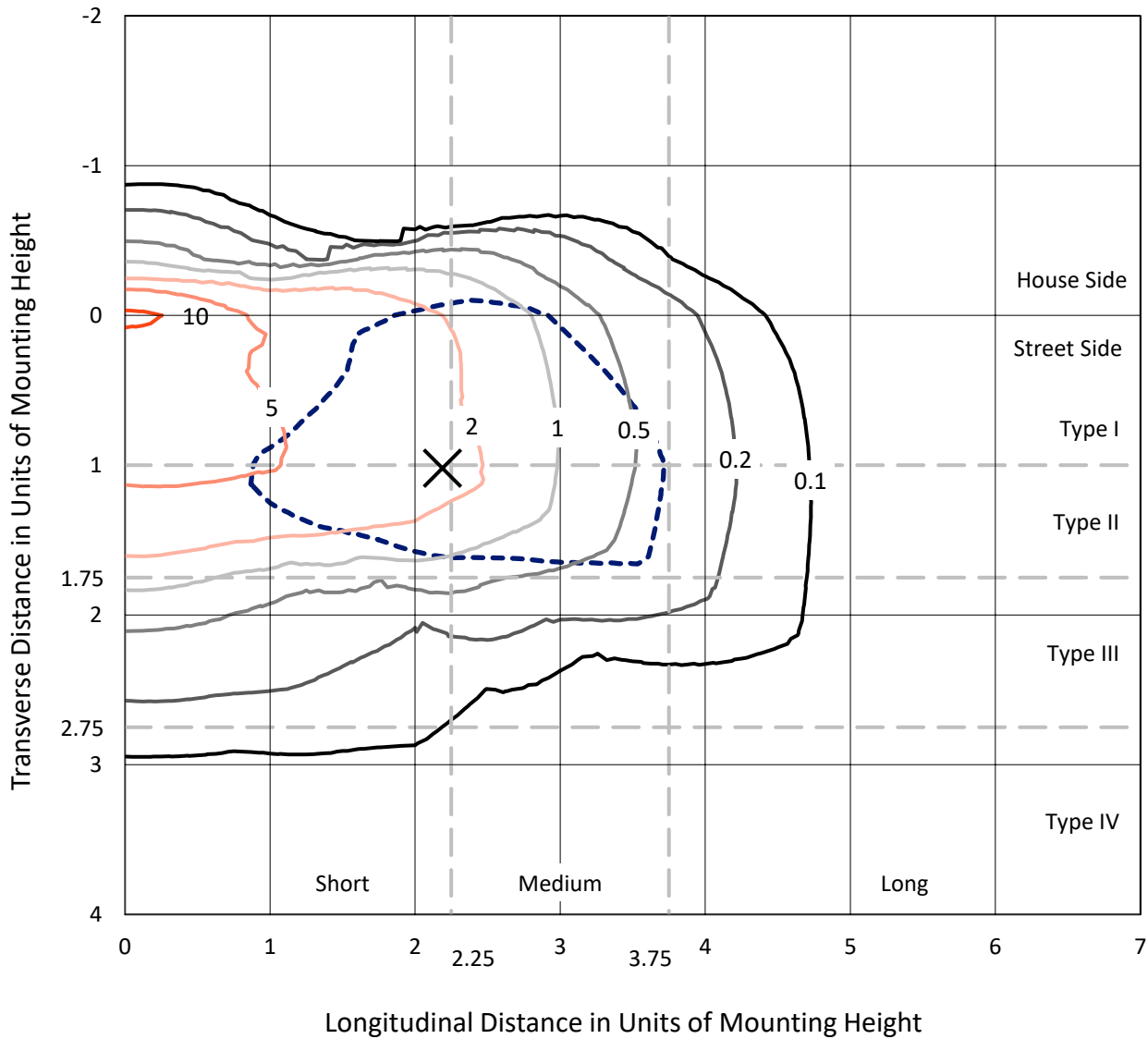
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

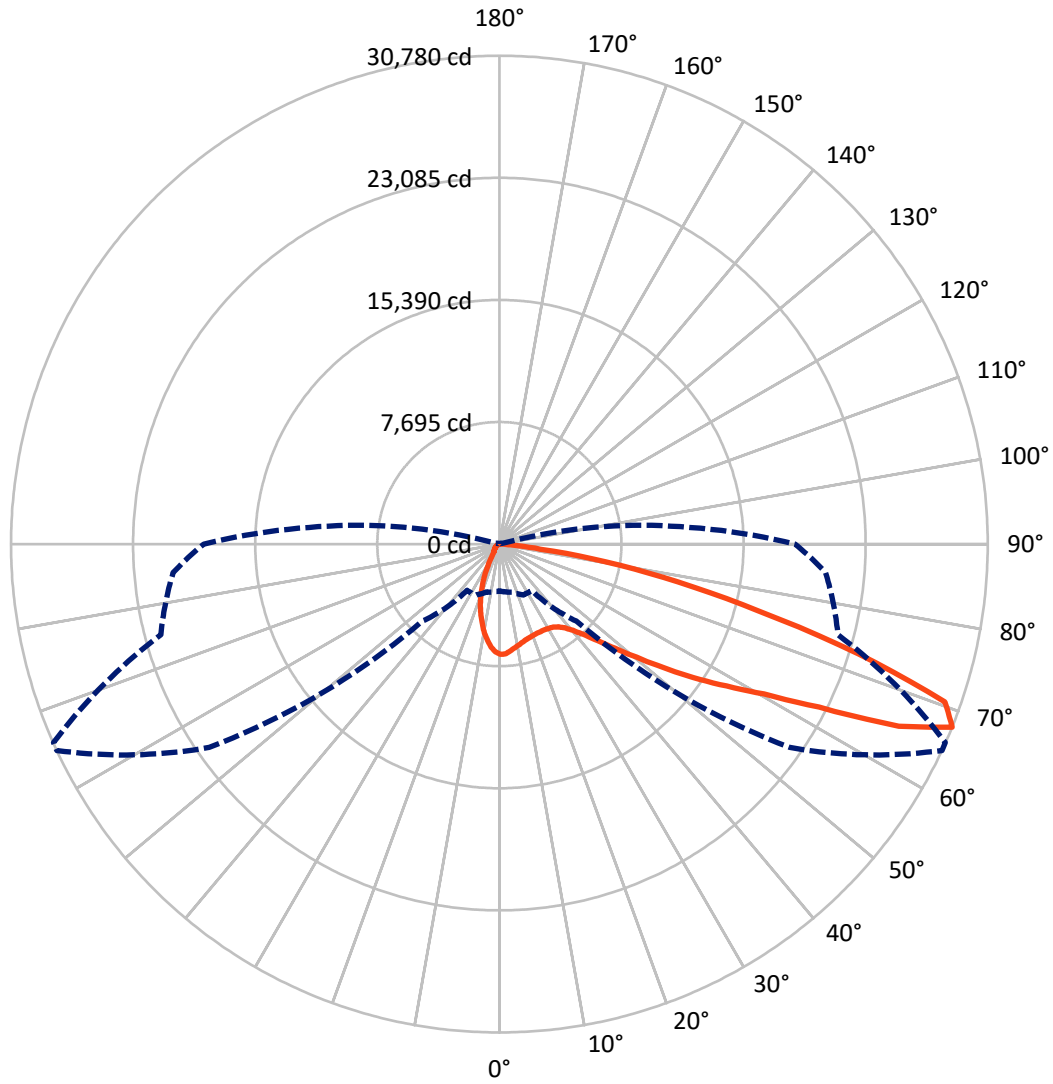
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3577.4	0.0	3577.4
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	25071.7	0.0	25071.7
	% Fixture	87.5	0.0	87.5
Total	Lumens	28649.1	0.0	28649.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	577.1	2.0
10°-20°	1297.3	4.5
20°-30°	1853.7	6.5
30°-40°	2696.9	9.4
40°-50°	4223.9	14.7
50°-60°	6589.4	23.0
60°-70°	7238.1	25.3
70°-80°	3852.1	13.4
80°-90°	320.7	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°	28649.1	100.0
0°-180°	28649.1	100.0

Coefficient of Utilization



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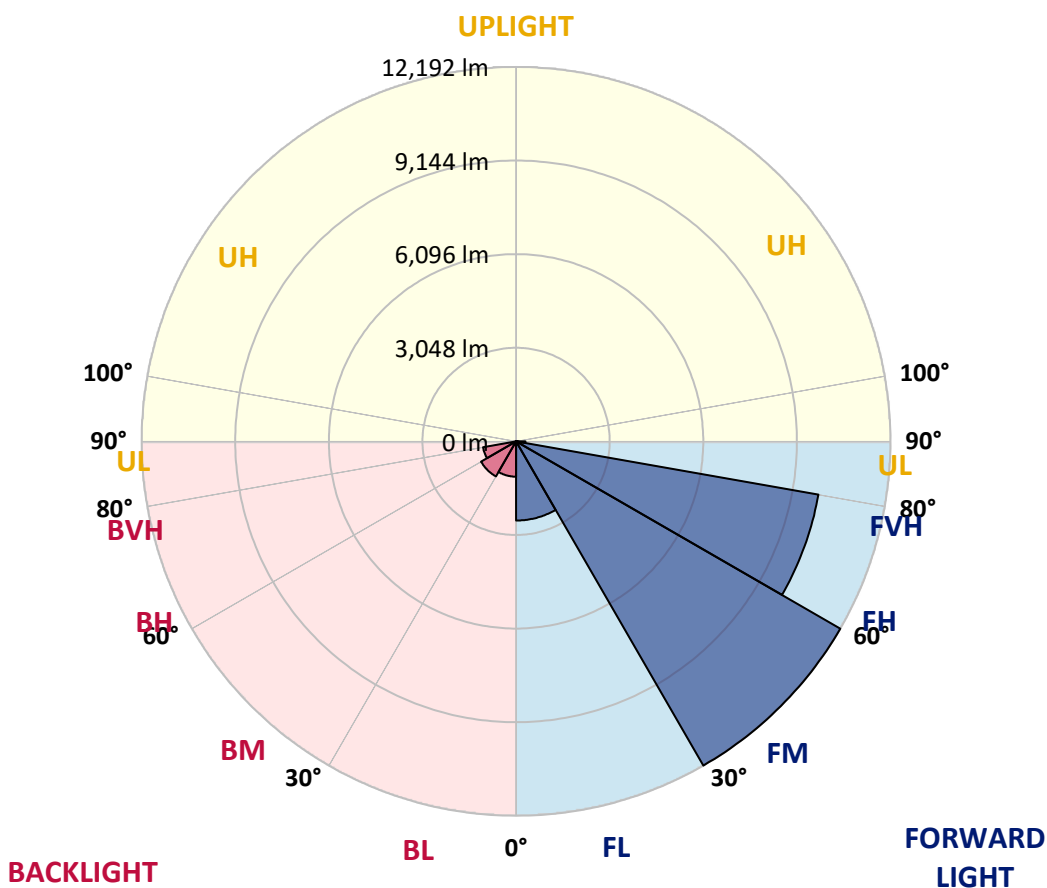
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2578.2	9.0			
FM (30°-60°)	12192.4	42.6			
FH (60°-80°)	9997.4	34.9			G4/12000
FVH (80°-90°)	303.6	1.1			G3/500
BL (0°-30°)	1149.9	4.0	B3/2500		
BM (30°-60°)	1317.7	4.6	B2/2500		
BH (60°-80°)	1092.7	3.8	B3/2500		G3/2500
BVH (80°-90°)	17.2	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-G4

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	6948.3	6948.3	6948.3	6948.3	6948.3	6948.3	6948.3	6948.3	6948.3	6948.3	6948.3
2.5°	6707.4	6728.1	6699.6	6769.5	6782.5	6860.2	6904.3	6935.4	6932.8	6971.6	6971.6
5°	6313.6	6334.3	6318.8	6393.9	6453.5	6575.2	6676.3	6792.9	6798.0	6917.2	6961.3
7.5°	5979.4	5982.0	5982.0	6075.2	6153.0	6303.2	6453.5	6632.2	6653.0	6836.9	6953.5
10°	5704.8	5712.5	5715.1	5821.3	5906.8	6088.2	6279.9	6494.9	6518.2	6767.0	6948.3
12.5°	5515.6	5518.2	5528.6	5640.0	5733.3	5922.4	6116.7	6362.8	6393.9	6686.6	6925.0
15°	5425.0	5419.8	5425.0	5518.2	5611.5	5792.8	5992.3	6256.6	6290.3	6619.3	6927.6
17.5°	5419.8	5412.0	5406.8	5476.8	5536.4	5697.0	5899.1	6186.6	6222.9	6588.2	6956.1
20°	5494.9	5489.7	5463.8	5494.9	5507.9	5640.0	5839.5	6132.2	6168.5	6583.0	7018.3
22.5°	5691.8	5678.9	5640.0	5611.5	5541.5	5619.3	5798.0	6093.4	6134.8	6596.0	7098.6
25°	5984.6	5979.4	5930.2	5860.2	5681.4	5650.4	5800.6	6093.4	6132.2	6611.5	7184.1
27.5°	6425.0	6393.9	6331.7	6210.0	5953.5	5772.1	5852.4	6108.9	6147.8	6632.2	7254.0
30°	6873.2	6870.6	6849.9	6725.5	6344.7	6005.3	5961.2	6150.4	6186.6	6650.4	7318.8
32.5°	7336.9	7344.7	7396.5	7300.6	6883.5	6352.4	6158.1	6235.9	6261.8	6686.6	7375.8
35°	7777.3	7792.9	7930.2	7963.9	7539.0	6878.4	6479.4	6406.8	6409.4	6767.0	7450.9
37.5°	8199.6	8251.4	8471.7	8634.9	8355.1	7515.7	6943.1	6697.0	6676.3	6927.6	7564.9
40°	8678.9	8777.4	9054.6	9331.8	9243.7	8357.7	7575.3	7142.6	7098.6	7222.9	7769.6
42.5°	9210.0	9316.2	9684.1	10072.7	10114.2	9375.8	8365.4	7792.9	7717.8	7720.3	8153.0
45°	9780.0	9922.5	10349.9	10909.5	11160.8	10510.5	9339.5	8671.1	8596.0	8484.6	8769.6
47.5°	10528.7	10653.0	11065.0	11710.1	12191.9	11728.2	10616.8	9800.7	9663.4	9500.2	9728.2
50°	11173.8	11282.6	11637.5	12445.8	13448.4	13298.2	12065.0	11212.6	11080.5	10803.3	10992.4
52.5°	11316.3	11401.8	11728.2	12637.5	14409.6	15280.1	13839.6	12919.9	12826.7	12313.7	12386.2
55°	10676.4	10805.9	11098.6	12109.0	14660.9	17217.9	16142.8	14844.8	14650.5	13831.9	13961.4
57.5°	9059.7	9290.3	9564.9	10878.4	13979.5	18249.0	19360.4	16883.7	16707.5	15293.0	15295.6
60°	6640.0	6826.5	7010.5	8212.6	12362.9	18179.1	22280.2	19173.9	18852.7	16487.3	16443.3
62.5°	4829.1	4925.0	4922.4	5349.8	8489.8	16982.2	23813.9	22624.8	21876.0	17764.6	17513.3
65°	3798.0	3795.4	3906.8	4046.7	4741.0	13109.0	24003.0	27663.7	26855.4	19477.0	18953.7
67.5°	2956.0	3013.0	3124.4	3536.3	3562.2	6860.2	22339.8	30780.3	30764.8	22091.1	20640.3
70°	2279.8	2357.6	2515.6	3116.6	3290.2	3839.4	16715.3	29793.3	30044.6	23259.5	19445.9
72.5°	1463.8	1458.6	1691.7	2518.2	3160.7	3199.5	9243.7	23666.2	23951.2	21067.7	15723.1
75°	818.7	823.8	956.0	1541.5	2945.6	3010.4	4577.8	16875.9	17101.3	16425.2	12080.5
77.5°	321.2	331.6	448.2	810.9	1943.0	2689.2	2720.3	11508.0	11541.7	10178.9	7409.5
80°	129.5	137.3	228.0	502.6	1184.0	1810.9	1943.0	6779.9	6642.6	3940.5	2155.5
82.5°	38.9	41.5	90.7	285.0	619.2	1287.6	1310.9	2601.1	2456.0	847.2	549.2
85°	2.6	2.6	20.7	88.1	220.2	323.8	873.1	847.2	751.3	212.4	243.5
87.5°	0.0	0.0	2.6	2.6	5.2	10.4	93.3	155.4	158.0	38.9	108.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6948.3	6948.3	6948.3	6948.3	6948.3	6948.3	6948.3	6948.3	6948.3	6948.3	6948.3
2.5°	6971.6	6878.4	6870.6	6798.0	6725.5	6634.8	6528.6	6450.9	6396.5	6300.6	6282.5
5°	6961.3	6836.9	6720.3	6513.1	6282.5	6033.8	5816.2	5614.1	5487.1	5401.6	5365.4
7.5°	6940.5	6782.5	6513.1	6121.9	5735.9	5300.6	4961.2	4650.3	4437.9	4313.5	4259.1
10°	6925.0	6712.6	6274.7	5681.4	5083.0	4481.9	3966.4	3505.2	3248.8	3046.7	3013.0
12.5°	6893.9	6611.5	5969.0	5165.9	4393.9	3595.9	2937.9	2373.1	1981.9	1805.7	1743.6
15°	6862.8	6505.3	5663.3	4621.8	3642.6	2658.1	1860.1	1316.1	1046.7	963.7	958.6
17.5°	6857.6	6409.4	5331.7	4106.3	2855.0	1741.0	1059.6	852.3	795.4	774.6	774.6
20°	6873.2	6329.1	5005.3	3513.0	2080.3	1059.6	790.2	738.4	704.7	686.5	686.5
22.5°	6888.7	6246.2	4691.8	2914.6	1380.9	774.6	696.9	652.9	614.0	593.3	582.9
25°	6899.1	6155.5	4344.6	2313.5	901.6	673.6	611.4	554.4	507.8	481.9	481.9
27.5°	6896.5	6046.7	3994.9	1725.4	699.5	598.5	523.3	463.7	417.1	388.6	391.2
30°	6875.8	5927.6	3632.2	1204.7	611.4	523.3	448.2	386.0	339.4	316.1	313.5
32.5°	6860.2	5800.6	3212.5	847.2	549.2	458.6	380.8	321.2	282.4	264.3	261.7
35°	6842.1	5676.3	2813.5	645.1	494.8	396.4	321.2	272.0	240.9	225.4	225.4
37.5°	6847.3	5546.7	2380.9	554.4	440.4	344.6	274.6	233.2	207.3	191.7	189.1
40°	6927.6	5469.0	1956.0	502.6	391.2	297.9	238.3	202.1	176.2	160.6	158.0
42.5°	7127.1	5471.6	1549.3	463.7	347.2	253.9	207.3	173.6	150.3	132.1	129.5
45°	7526.0	5580.4	1189.1	422.3	300.5	220.2	178.8	147.7	124.4	108.8	106.2
47.5°	8178.9	5904.2	901.6	386.0	261.7	191.7	152.9	124.4	103.6	90.7	88.1
50°	9217.8	6489.8	709.9	342.0	220.2	165.8	129.5	103.6	85.5	72.5	69.9
52.5°	10466.5	7368.0	608.8	303.1	189.1	145.1	111.4	85.5	69.9	59.6	57.0
55°	11901.8	8417.2	562.2	264.3	160.6	124.4	90.7	69.9	57.0	49.2	44.0
57.5°	13217.8	9362.9	559.6	225.4	137.3	106.2	75.1	59.6	49.2	38.9	36.3
60°	14500.3	10153.0	525.9	186.5	119.2	88.1	64.8	49.2	41.5	33.7	31.1
62.5°	15663.5	10795.5	440.4	150.3	101.0	72.5	54.4	44.0	36.3	28.5	28.5
65°	17124.7	11614.2	336.8	121.8	82.9	59.6	46.6	38.9	33.7	25.9	25.9
67.5°	18635.0	12046.8	240.9	101.0	67.4	51.8	41.5	36.3	28.5	23.3	23.3
70°	16878.5	10178.9	173.6	82.9	57.0	44.0	36.3	33.7	28.5	23.3	20.7
72.5°	13181.6	7339.5	129.5	64.8	49.2	41.5	33.7	31.1	25.9	20.7	20.7
75°	9774.8	4279.9	98.4	51.8	38.9	33.7	33.7	31.1	25.9	20.7	18.1
77.5°	5313.6	1492.3	75.1	41.5	31.1	25.9	28.5	28.5	23.3	18.1	15.5
80°	1406.8	409.3	51.8	31.1	25.9	20.7	20.7	25.9	20.7	15.5	15.5
82.5°	409.3	119.2	36.3	25.9	20.7	18.1	18.1	18.1	15.5	13.0	10.4
85°	199.5	44.0	25.9	20.7	18.1	15.5	13.0	13.0	10.4	7.8	7.8
87.5°	88.1	18.1	20.7	18.1	18.1	13.0	10.4	7.8	7.8	5.2	2.6
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)