

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: P642706

Luminaire Tested: GWS-SA6D-740-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642706
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-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: 28396.4 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

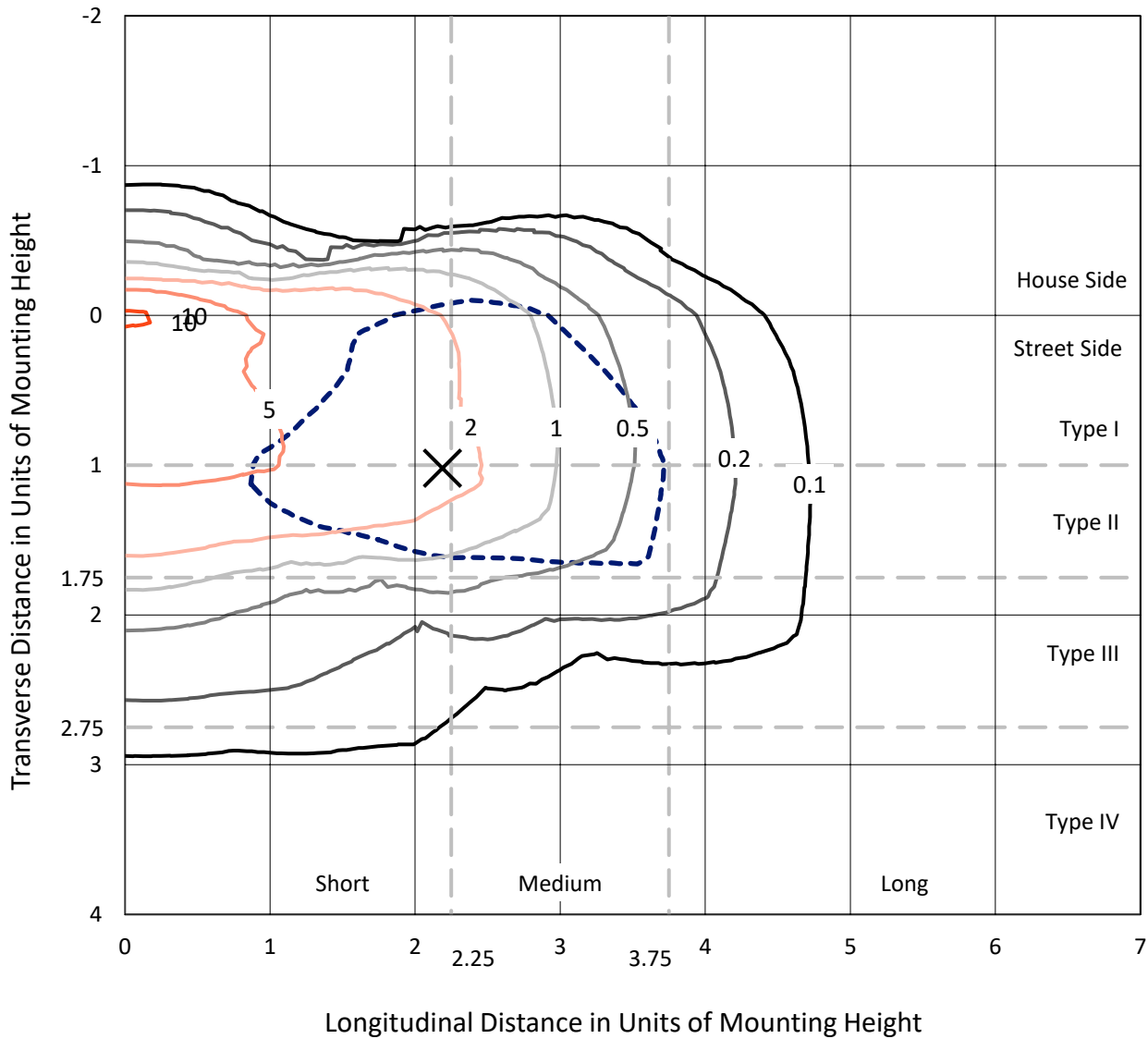
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

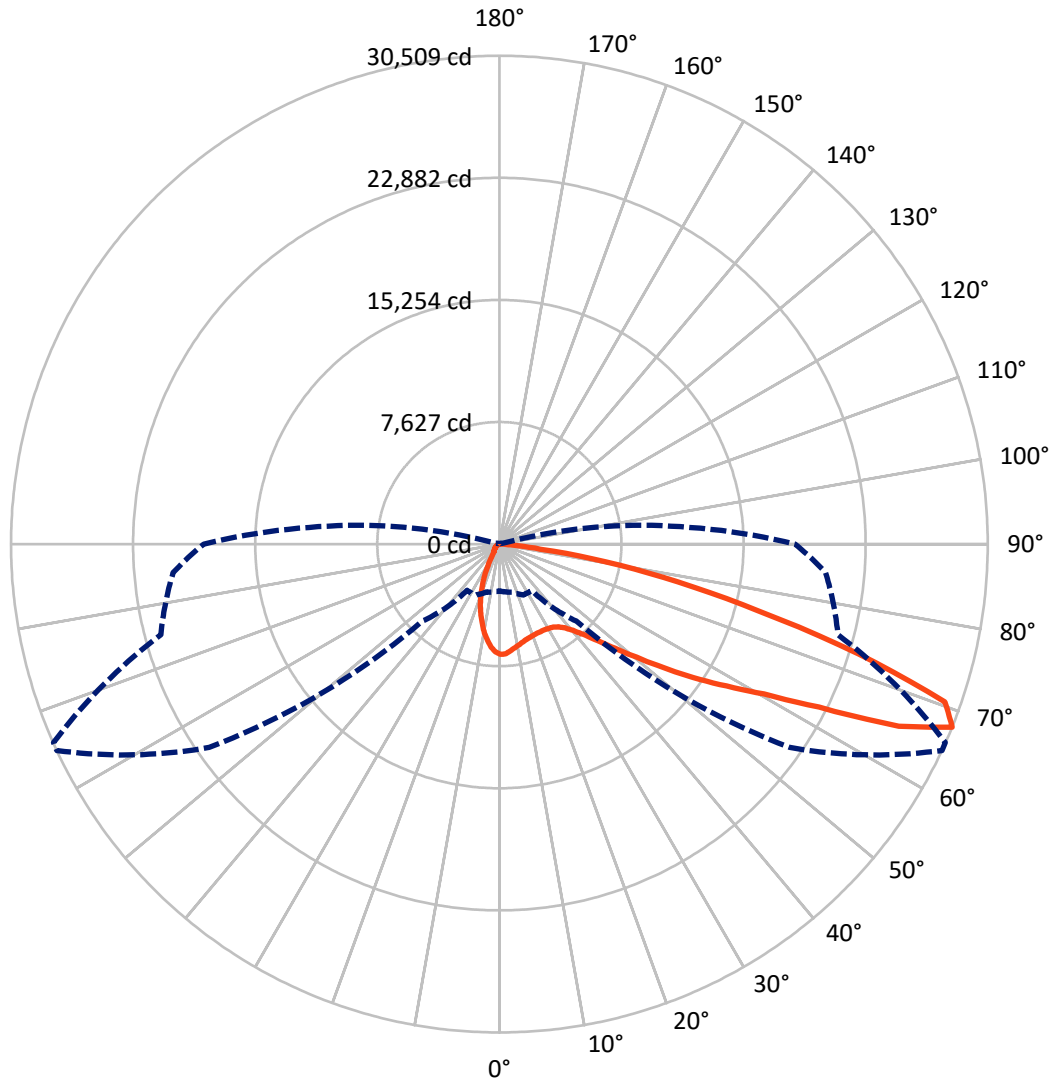
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 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	3545.9	0.0	3545.9
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	24850.5	0.0	24850.5
	% Fixture	87.5	0.0	87.5
Total	Lumens	28396.4	0.0	28396.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	572.0	2.0
10°-20°	1285.8	4.5
20°-30°	1837.4	6.5
30°-40°	2673.1	9.4
40°-50°	4186.6	14.7
50°-60°	6531.2	23.0
60°-70°	7174.2	25.3
70°-80°	3818.1	13.4
80°-90°	317.9	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°	28396.4	100.0
0°-180°	28396.4	100.0

Coefficient of Utilization



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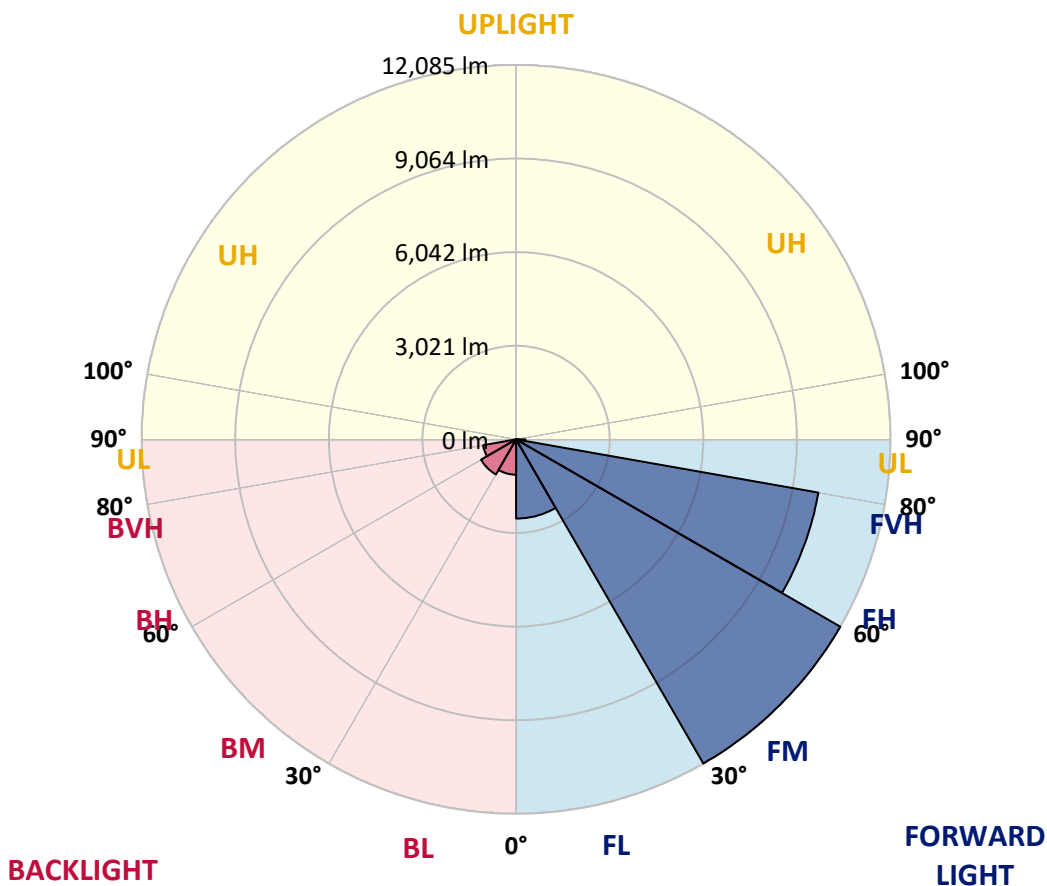
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2555.5	9.0			
FM (30°-60°)	12084.9	42.6			
FH (60°-80°)	9909.2	34.9			G4/12000
FVH (80°-90°)	300.9	1.1			G3/500
BL (0°-30°)	1139.7	4.0	B3/2500		
BM (30°-60°)	1306.1	4.6	B2/2500		
BH (60°-80°)	1083.1	3.8	B3/2500		G3/2500
BVH (80°-90°)	17.0	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°	6887.0	6887.0	6887.0	6887.0	6887.0	6887.0	6887.0	6887.0	6887.0	6887.0	6887.0
2.5°	6648.2	6668.8	6640.5	6709.8	6722.7	6799.7	6843.4	6874.2	6871.6	6910.1	6910.1
5°	6257.9	6278.4	6263.0	6337.5	6396.6	6517.2	6617.4	6732.9	6738.1	6856.2	6899.9
7.5°	5926.6	5929.2	5929.2	6021.7	6098.7	6247.6	6396.6	6573.7	6594.3	6776.6	6892.2
10°	5654.4	5662.1	5664.7	5770.0	5854.7	6034.5	6224.5	6437.6	6460.8	6707.3	6887.0
12.5°	5467.0	5469.6	5479.8	5590.2	5682.7	5870.1	6062.7	6306.7	6337.5	6627.7	6863.9
15°	5377.1	5372.0	5377.1	5469.6	5562.0	5741.8	5939.5	6201.4	6234.8	6560.9	6866.5
17.5°	5372.0	5364.3	5359.1	5428.5	5487.5	5646.7	5847.0	6132.1	6168.0	6530.1	6894.7
20°	5446.4	5441.3	5415.6	5446.4	5459.3	5590.2	5788.0	6078.1	6114.1	6525.0	6956.4
22.5°	5641.6	5628.8	5590.2	5562.0	5492.7	5569.7	5746.9	6039.6	6080.7	6537.8	7036.0
25°	5931.8	5926.6	5877.8	5808.5	5631.3	5600.5	5749.5	6039.6	6078.1	6553.2	7120.7
27.5°	6368.3	6337.5	6275.9	6155.2	5901.0	5721.2	5800.8	6055.0	6093.6	6573.7	7190.0
30°	6812.6	6810.0	6789.4	6666.2	6288.7	5952.3	5908.7	6096.1	6132.1	6591.7	7254.2
32.5°	7272.2	7279.9	7331.3	7236.3	6822.8	6296.4	6103.8	6180.9	6206.5	6627.7	7310.7
35°	7708.7	7724.1	7860.2	7893.6	7472.5	6817.7	6422.2	6350.3	6352.9	6707.3	7385.2
37.5°	8127.3	8178.7	8396.9	8558.7	8281.4	7449.4	6881.9	6637.9	6617.4	6866.5	7498.2
40°	8602.4	8699.9	8974.7	9249.5	9162.2	8283.9	7508.4	7079.6	7036.0	7159.2	7701.0
42.5°	9128.8	9234.1	9598.7	9983.9	10025.0	9293.1	8291.6	7724.1	7649.7	7652.2	8081.1
45°	9693.7	9834.9	10258.6	10813.3	11062.4	10417.8	9257.2	8594.7	8520.2	8409.8	8692.2
47.5°	10435.8	10559.1	10967.4	11606.8	12084.4	11624.7	10523.1	9714.2	9578.1	9416.4	9642.3
50°	11075.2	11183.1	11534.9	12336.0	13329.8	13180.9	11958.6	11113.7	10982.8	10708.0	10895.5
52.5°	11216.4	11301.2	11624.7	12526.1	14282.5	15145.3	13717.5	12806.0	12713.5	12205.1	12277.0
55°	10582.2	10710.6	11000.7	12002.2	14531.6	17066.0	16000.4	14713.9	14521.3	13709.8	13838.2
57.5°	8979.8	9208.4	9480.6	10782.5	13856.2	18088.1	19189.7	16734.8	16560.2	15158.1	15160.7
60°	6581.4	6766.3	6948.7	8140.1	12253.9	18018.7	22083.7	19004.8	18686.4	16341.9	16298.3
62.5°	4786.5	4881.5	4878.9	5302.6	8414.9	16832.4	23603.8	22425.2	21683.1	17607.9	17358.8
65°	3764.5	3761.9	3872.3	4011.0	4699.2	12993.4	23791.3	27419.7	26618.5	19305.2	18786.5
67.5°	2929.9	2986.4	3096.8	3505.1	3530.8	6799.7	22142.7	30508.8	30493.4	21896.2	20458.2
70°	2259.7	2336.8	2493.4	3089.1	3261.2	3805.6	16567.9	29530.5	29779.6	23054.3	19274.4
72.5°	1450.8	1445.7	1676.8	2496.0	3132.8	3171.3	9162.2	23457.5	23739.9	20881.9	15584.4
75°	811.4	816.6	947.5	1527.9	2919.7	2983.9	4537.4	16727.1	16950.5	16280.3	11974.0
77.5°	318.4	328.7	444.2	803.7	1925.9	2665.4	2696.3	11406.5	11439.9	10089.2	7344.1
80°	128.4	136.1	226.0	498.2	1173.5	1794.9	1925.9	6720.1	6584.0	3905.7	2136.5
82.5°	38.5	41.1	89.9	282.5	613.7	1276.2	1299.3	2578.1	2434.3	839.7	544.4
85°	2.6	2.6	20.5	87.3	218.3	321.0	865.4	839.7	744.7	210.6	241.4
87.5°	0.0	0.0	2.6	2.6	5.1	10.3	92.4	154.1	156.6	38.5	107.9
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°	6887.0	6887.0	6887.0	6887.0	6887.0	6887.0	6887.0	6887.0	6887.0	6887.0	6887.0
2.5°	6910.1	6817.7	6810.0	6738.1	6666.2	6576.3	6471.0	6394.0	6340.1	6245.1	6227.1
5°	6899.9	6776.6	6661.0	6455.6	6227.1	5980.6	5764.9	5564.6	5438.7	5354.0	5318.1
7.5°	6879.3	6722.7	6455.6	6067.9	5685.3	5253.9	4917.5	4609.3	4398.8	4275.5	4221.6
10°	6863.9	6653.3	6219.4	5631.3	5038.2	4442.4	3931.4	3474.3	3220.1	3019.8	2986.4
12.5°	6833.1	6553.2	5916.4	5120.3	4355.1	3564.2	2912.0	2352.2	1964.4	1789.8	1728.2
15°	6802.3	6447.9	5613.4	4581.1	3610.4	2634.6	1843.7	1304.5	1037.4	955.2	950.1
17.5°	6797.1	6352.9	5284.7	4070.1	2829.8	1725.6	1050.3	844.8	788.3	767.8	767.8
20°	6812.6	6273.3	4961.1	3482.0	2062.0	1050.3	783.2	731.8	698.5	680.5	680.5
22.5°	6828.0	6191.1	4650.4	2888.9	1368.7	767.8	690.8	647.1	608.6	588.0	577.8
25°	6838.2	6101.3	4306.3	2293.1	893.6	667.6	606.0	549.5	503.3	477.6	477.6
27.5°	6835.7	5993.4	3959.7	1710.2	693.3	593.2	518.7	459.6	413.4	385.2	387.7
30°	6815.1	5875.3	3600.2	1194.1	606.0	518.7	444.2	382.6	336.4	313.3	310.7
32.5°	6799.7	5749.5	3184.2	839.7	544.4	454.5	377.5	318.4	279.9	261.9	259.4
35°	6781.7	5626.2	2788.7	639.4	490.5	392.9	318.4	269.6	238.8	223.4	223.4
37.5°	6786.9	5497.8	2359.9	549.5	436.5	341.5	272.2	231.1	205.4	190.0	187.5
40°	6866.5	5420.8	1938.7	498.2	387.7	295.3	236.2	200.3	174.6	159.2	156.6
42.5°	7064.2	5423.3	1535.6	459.6	344.1	251.7	205.4	172.0	148.9	131.0	128.4
45°	7459.7	5531.2	1178.7	418.6	297.9	218.3	177.2	146.4	123.3	107.9	105.3
47.5°	8106.8	5852.2	893.6	382.6	259.4	190.0	151.5	123.3	102.7	89.9	87.3
50°	9136.5	6432.5	703.6	339.0	218.3	164.3	128.4	102.7	84.7	71.9	69.3
52.5°	10374.2	7303.0	603.4	300.4	187.5	143.8	110.4	84.7	69.3	59.1	56.5
55°	11796.8	8343.0	557.2	261.9	159.2	123.3	89.9	69.3	56.5	48.8	43.7
57.5°	13101.3	9280.3	554.7	223.4	136.1	105.3	74.5	59.1	48.8	38.5	36.0
60°	14372.4	10063.5	521.3	184.9	118.1	87.3	64.2	48.8	41.1	33.4	30.8
62.5°	15525.3	10700.3	436.5	148.9	100.1	71.9	53.9	43.7	36.0	28.2	28.2
65°	16973.6	11511.8	333.8	120.7	82.2	59.1	46.2	38.5	33.4	25.7	25.7
67.5°	18470.7	11940.6	238.8	100.1	66.8	51.4	41.1	36.0	28.2	23.1	23.1
70°	16729.7	10089.2	172.0	82.2	56.5	43.7	36.0	33.4	28.2	23.1	20.5
72.5°	13065.3	7274.8	128.4	64.2	48.8	41.1	33.4	30.8	25.7	20.5	20.5
75°	9688.6	4242.1	97.6	51.4	38.5	33.4	33.4	30.8	25.7	20.5	18.0
77.5°	5266.7	1479.1	74.5	41.1	30.8	25.7	28.2	28.2	23.1	18.0	15.4
80°	1394.4	405.7	51.4	30.8	25.7	20.5	20.5	25.7	20.5	15.4	15.4
82.5°	405.7	118.1	36.0	25.7	20.5	18.0	18.0	18.0	15.4	12.8	10.3
85°	197.7	43.7	25.7	20.5	18.0	15.4	12.8	12.8	10.3	7.7	7.7
87.5°	87.3	18.0	20.5	18.0	18.0	12.8	10.3	7.7	7.7	5.1	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)