

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: P641771

Luminaire Tested: GWS-SA6B-750-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641771
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-SA6B-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17168.4 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

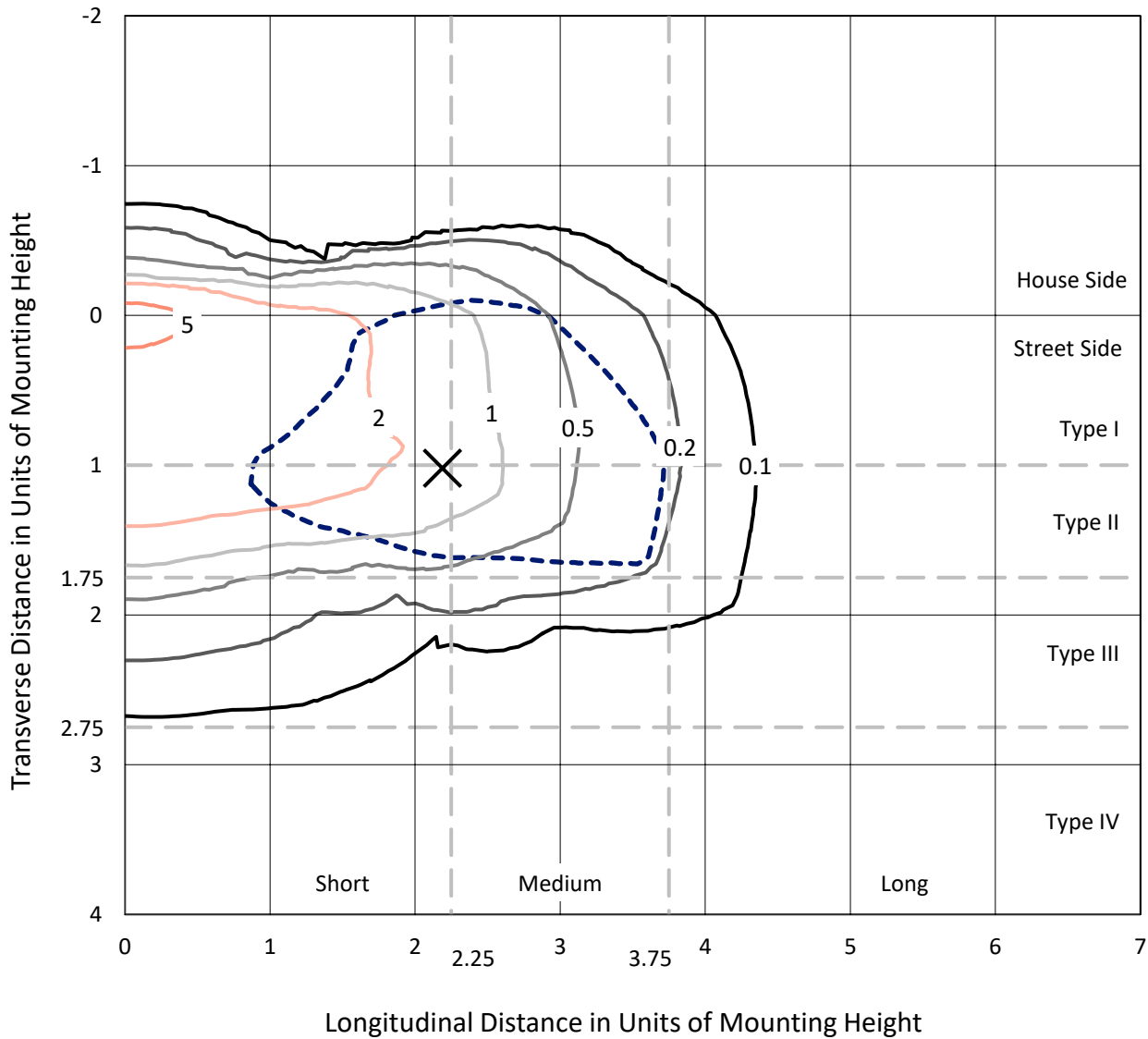
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

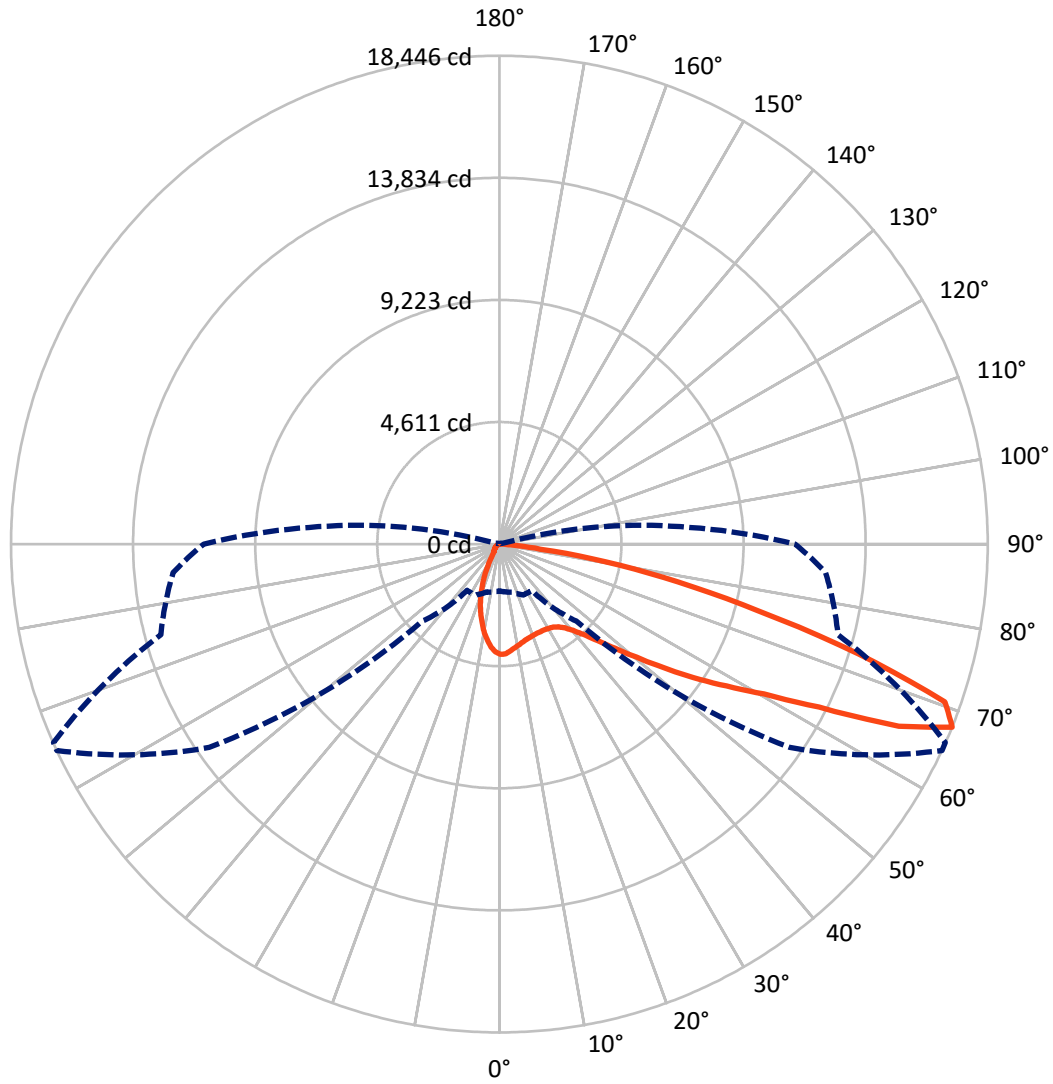
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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	2143.8	0.0	2143.8
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	15024.6	0.0	15024.6
	% Fixture	87.5	0.0	87.5
Total	Lumens	17168.4	0.0	17168.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.8	2.0
10°-20°	777.4	4.5
20°-30°	1110.9	6.5
30°-40°	1616.2	9.4
40°-50°	2531.2	14.7
50°-60°	3948.8	23.0
60°-70°	4337.5	25.3
70°-80°	2308.4	13.4
80°-90°	192.2	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°	17168.4	100.0
0°-180°	17168.4	100.0

Coefficient of Utilization



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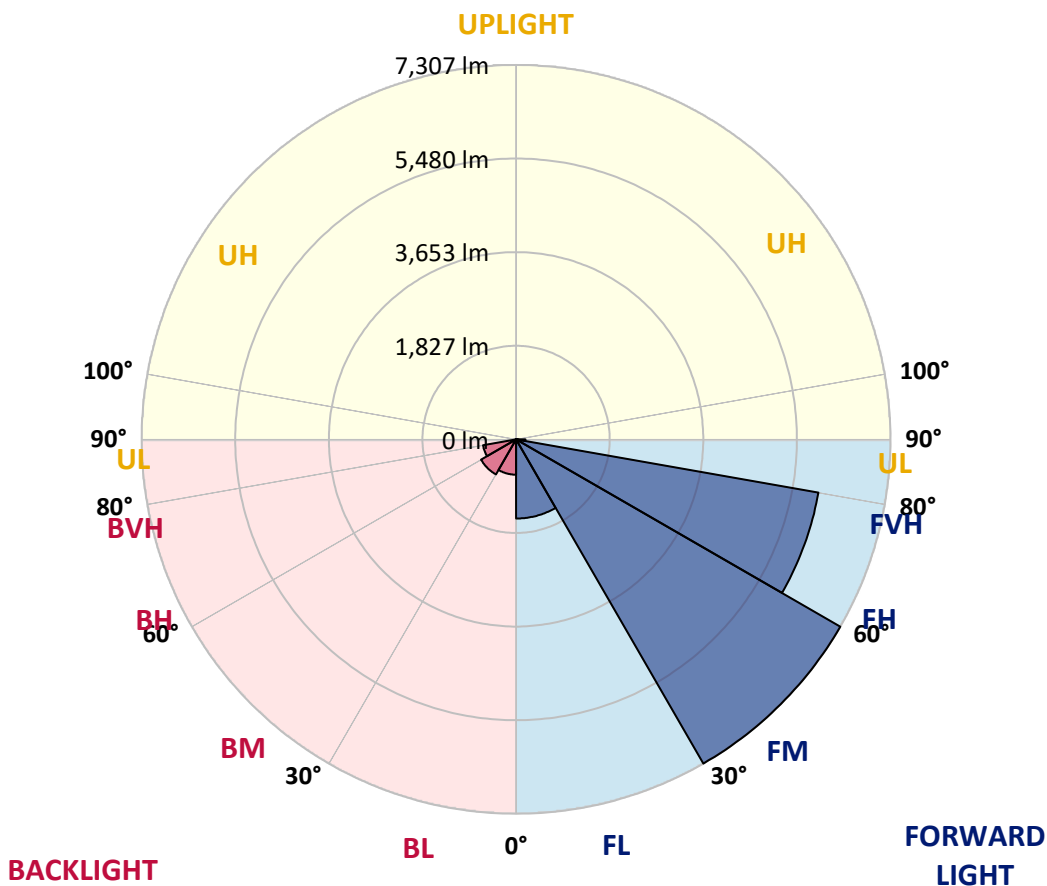
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1545.1	9.0			
FM (30°-60°)	7306.5	42.6			
FH (60°-80°)	5991.1	34.9			G3/7500
FVH (80°-90°)	181.9	1.1			G2/225
BL (0°-30°)	689.1	4.0	B2/1000		
BM (30°-60°)	789.7	4.6	B1/1000		
BH (60°-80°)	654.8	3.8	B2/1000		G2/1000
BVH (80°-90°)	10.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4163.9	4163.9	4163.9	4163.9	4163.9	4163.9	4163.9	4163.9	4163.9	4163.9	4163.9
2.5°	4019.5	4031.9	4014.8	4056.8	4064.5	4111.1	4137.5	4156.1	4154.6	4177.9	4177.9
5°	3783.5	3795.9	3786.6	3831.6	3867.3	3940.3	4000.9	4070.7	4073.8	4145.2	4171.6
7.5°	3583.2	3584.8	3584.8	3640.7	3687.3	3777.3	3867.3	3974.5	3986.9	4097.1	4167.0
10°	3418.7	3423.3	3424.9	3488.5	3539.8	3648.4	3763.3	3892.2	3906.2	4055.2	4163.9
12.5°	3305.3	3306.9	3313.1	3379.9	3435.7	3549.1	3665.5	3813.0	3831.6	4007.1	4149.9
15°	3251.0	3247.9	3251.0	3306.9	3362.8	3471.5	3591.0	3749.4	3769.5	3966.7	4151.5
17.5°	3247.9	3243.2	3240.1	3282.0	3317.8	3414.0	3535.1	3707.4	3729.2	3948.1	4168.5
20°	3292.9	3289.8	3274.3	3292.9	3300.7	3379.9	3499.4	3674.8	3696.6	3945.0	4205.8
22.5°	3410.9	3403.1	3379.9	3362.8	3320.9	3367.4	3474.6	3651.5	3676.4	3952.7	4253.9
25°	3586.3	3583.2	3553.7	3511.8	3404.7	3386.1	3476.1	3651.5	3674.8	3962.0	4305.2
27.5°	3850.3	3831.6	3794.4	3721.4	3567.7	3459.0	3507.2	3660.9	3684.1	3974.5	4347.1
30°	4118.9	4117.3	4104.9	4030.4	3802.1	3598.8	3572.4	3685.7	3707.4	3985.3	4385.9
32.5°	4396.8	4401.4	4432.5	4375.0	4125.1	3806.8	3690.4	3736.9	3752.5	4007.1	4420.0
35°	4660.7	4670.0	4752.3	4772.5	4517.9	4122.0	3882.9	3839.4	3841.0	4055.2	4465.1
37.5°	4913.7	4944.8	5076.8	5174.6	5006.9	4503.9	4160.8	4013.3	4000.9	4151.5	4533.4
40°	5201.0	5260.0	5426.1	5592.2	5539.4	5008.5	4539.6	4280.3	4253.9	4328.4	4656.0
42.5°	5519.2	5582.9	5803.3	6036.2	6061.1	5618.6	5013.1	4670.0	4625.0	4626.5	4885.8
45°	5860.8	5946.2	6202.3	6537.7	6688.3	6298.6	5596.9	5196.3	5151.3	5084.5	5255.3
47.5°	6309.5	6384.0	6630.8	7017.4	7306.2	7028.3	6362.3	5873.2	5790.9	5693.1	5829.7
50°	6696.0	6761.3	6974.0	7458.3	8059.2	7969.1	7230.1	6719.3	6640.2	6474.0	6587.4
52.5°	6781.4	6832.7	7028.3	7573.2	8635.2	9156.8	8293.6	7742.5	7686.6	7379.2	7422.6
55°	6398.0	6475.6	6651.0	7256.5	8785.8	10318.1	9673.8	8896.0	8779.5	8288.9	8366.6
57.5°	5429.2	5567.4	5731.9	6519.1	8377.4	10936.0	11602.0	10117.8	10012.2	9164.6	9166.1
60°	3979.1	4090.9	4201.1	4921.5	7408.7	10894.1	13351.7	11490.3	11297.7	9880.3	9853.9
62.5°	2893.9	2951.4	2949.8	3206.0	5087.6	10176.8	14270.8	13558.2	13109.5	10645.7	10495.1
65°	2276.0	2274.5	2341.2	2425.0	2841.1	7855.8	14384.2	16577.9	16093.5	11671.9	11358.3
67.5°	1771.4	1805.6	1872.3	2119.2	2134.7	4111.1	13387.4	18445.6	18436.3	13238.4	12369.0
70°	1366.2	1412.8	1507.5	1867.7	1971.7	2300.8	10016.9	17854.1	18004.7	13938.6	11653.3
72.5°	877.2	874.1	1013.8	1509.1	1894.1	1917.4	5539.4	14182.3	14353.1	12625.2	9422.3
75°	490.6	493.7	572.9	923.8	1765.2	1804.0	2743.3	10113.2	10248.2	9843.0	7239.4
77.5°	192.5	198.7	268.6	485.9	1164.4	1611.5	1630.2	6896.3	6916.5	6099.9	4440.2
80°	77.6	82.3	136.6	301.2	709.5	1085.2	1164.4	4063.0	3980.7	2361.4	1291.7
82.5°	23.3	24.8	54.3	170.8	371.1	771.6	785.6	1558.7	1471.8	507.7	329.1
85°	1.6	1.6	12.4	52.8	132.0	194.1	523.2	507.7	450.2	127.3	145.9
87.5°	0.0	0.0	1.6	1.6	3.1	6.2	55.9	93.2	94.7	23.3	65.2
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°	4163.9	4163.9	4163.9	4163.9	4163.9	4163.9	4163.9	4163.9	4163.9	4163.9	4163.9
2.5°	4177.9	4122.0	4117.3	4073.8	4030.4	3976.0	3912.4	3865.8	3833.2	3775.7	3764.9
5°	4171.6	4097.1	4027.3	3903.1	3764.9	3615.8	3485.4	3364.3	3288.3	3237.0	3215.3
7.5°	4159.2	4064.5	3903.1	3668.6	3437.3	3176.5	2973.1	2786.8	2659.5	2585.0	2552.4
10°	4149.9	4022.6	3760.2	3404.7	3046.1	2685.9	2376.9	2100.6	1946.9	1825.8	1805.6
12.5°	4131.3	3962.0	3577.0	3095.7	2633.1	2154.9	1760.6	1422.1	1187.7	1082.1	1044.9
15°	4112.6	3898.4	3393.8	2769.7	2182.9	1592.9	1114.7	788.7	627.2	577.5	574.4
17.5°	4109.5	3841.0	3195.1	2460.8	1710.9	1043.3	635.0	510.8	476.6	464.2	464.2
20°	4118.9	3792.8	2999.5	2105.2	1246.7	635.0	473.5	442.5	422.3	411.4	411.4
22.5°	4128.2	3743.1	2811.6	1746.6	827.5	464.2	417.6	391.2	367.9	355.5	349.3
25°	4134.4	3688.8	2603.6	1386.4	540.3	403.7	366.4	332.2	304.3	288.8	288.8
27.5°	4132.8	3623.6	2394.0	1034.0	419.2	358.6	313.6	277.9	250.0	232.9	234.4
30°	4120.4	3552.2	2176.6	721.9	366.4	313.6	268.6	231.3	203.4	189.4	187.9
32.5°	4111.1	3476.1	1925.1	507.7	329.1	274.8	228.2	192.5	169.2	158.4	156.8
35°	4100.2	3401.6	1686.0	386.6	296.5	237.5	192.5	163.0	144.4	135.1	135.1
37.5°	4103.3	3324.0	1426.8	332.2	263.9	206.5	164.6	139.7	124.2	114.9	113.3
40°	4151.5	3277.4	1172.2	301.2	234.4	178.5	142.8	121.1	105.6	96.3	94.7
42.5°	4271.0	3278.9	928.4	277.9	208.0	152.1	124.2	104.0	90.0	79.2	77.6
45°	4510.1	3344.1	712.6	253.1	180.1	132.0	107.1	88.5	74.5	65.2	63.7
47.5°	4901.3	3538.2	540.3	231.3	156.8	114.9	91.6	74.5	62.1	54.3	52.8
50°	5523.9	3889.1	425.4	204.9	132.0	99.4	77.6	62.1	51.2	43.5	41.9
52.5°	6272.2	4415.4	364.8	181.6	113.3	86.9	66.8	51.2	41.9	35.7	34.2
55°	7132.3	5044.2	336.9	158.4	96.3	74.5	54.3	41.9	34.2	29.5	26.4
57.5°	7921.0	5610.8	335.3	135.1	82.3	63.7	45.0	35.7	29.5	23.3	21.7
60°	8689.5	6084.4	315.2	111.8	71.4	52.8	38.8	29.5	24.8	20.2	18.6
62.5°	9386.6	6469.4	263.9	90.0	60.5	43.5	32.6	26.4	21.7	17.1	17.1
65°	10262.2	6960.0	201.8	73.0	49.7	35.7	27.9	23.3	20.2	15.5	15.5
67.5°	11167.3	7219.3	144.4	60.5	40.4	31.1	24.8	21.7	17.1	14.0	14.0
70°	10114.7	6099.9	104.0	49.7	34.2	26.4	21.7	20.2	17.1	14.0	12.4
72.5°	7899.3	4398.3	77.6	38.8	29.5	24.8	20.2	18.6	15.5	12.4	12.4
75°	5857.7	2564.8	59.0	31.1	23.3	20.2	20.2	18.6	15.5	12.4	10.9
77.5°	3184.2	894.3	45.0	24.8	18.6	15.5	17.1	17.1	14.0	10.9	9.3
80°	843.0	245.3	31.1	18.6	15.5	12.4	12.4	15.5	12.4	9.3	9.3
82.5°	245.3	71.4	21.7	15.5	12.4	10.9	10.9	10.9	9.3	7.8	6.2
85°	119.5	26.4	15.5	12.4	10.9	9.3	7.8	7.8	6.2	4.7	4.7
87.5°	52.8	10.9	12.4	10.9	10.9	7.8	6.2	4.7	4.7	3.1	1.6
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)