

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: P641775

Luminaire Tested: GWS-SA6B-750-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641775
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-SA6B-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17541.1 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

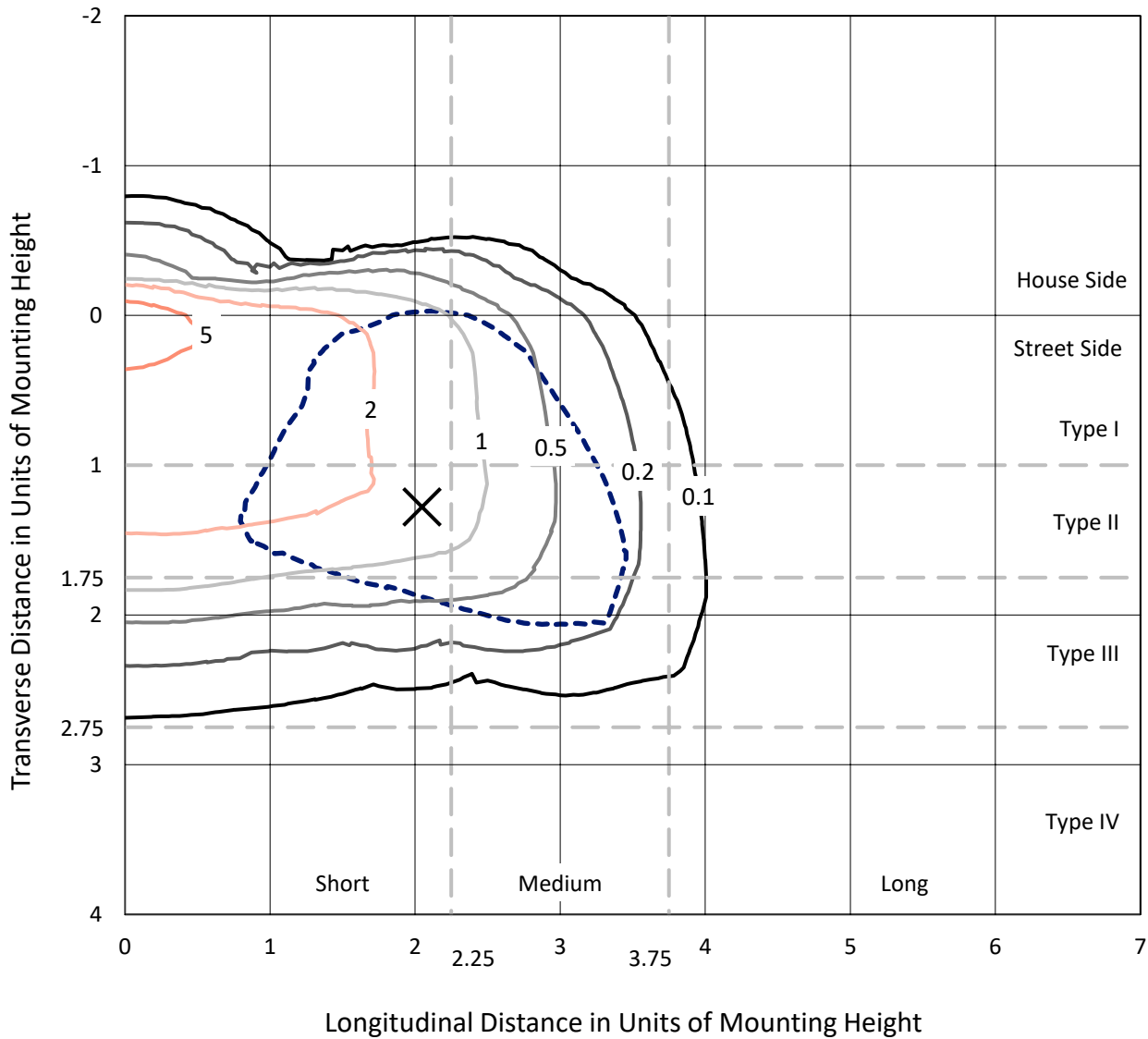
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

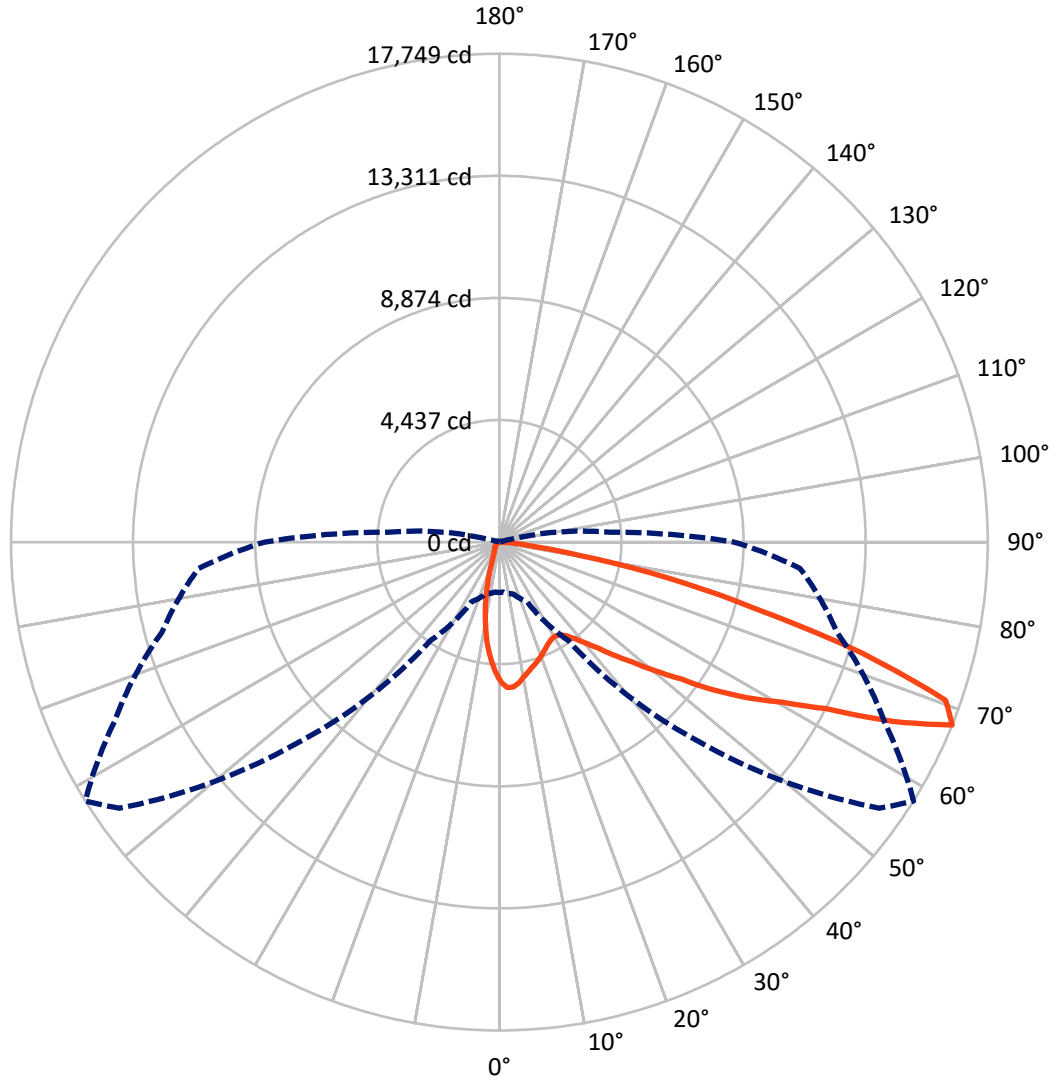
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1713.7	0.0	1713.7
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	15827.4	0.0	15827.4
	% Fixture	90.2	0.0	90.2
Total	Lumens	17541.1	0.0	17541.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	411.2	2.3
10°-20°	855.9	4.9
20°-30°	1154.2	6.6
30°-40°	1621.9	9.2
40°-50°	2504.8	14.3
50°-60°	4005.5	22.8
60°-70°	4742.9	27.0
70°-80°	2098.1	12.0
80°-90°	146.7	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°	17541.1	100.0
0°-180°	17541.1	100.0

Coefficient of Utilization



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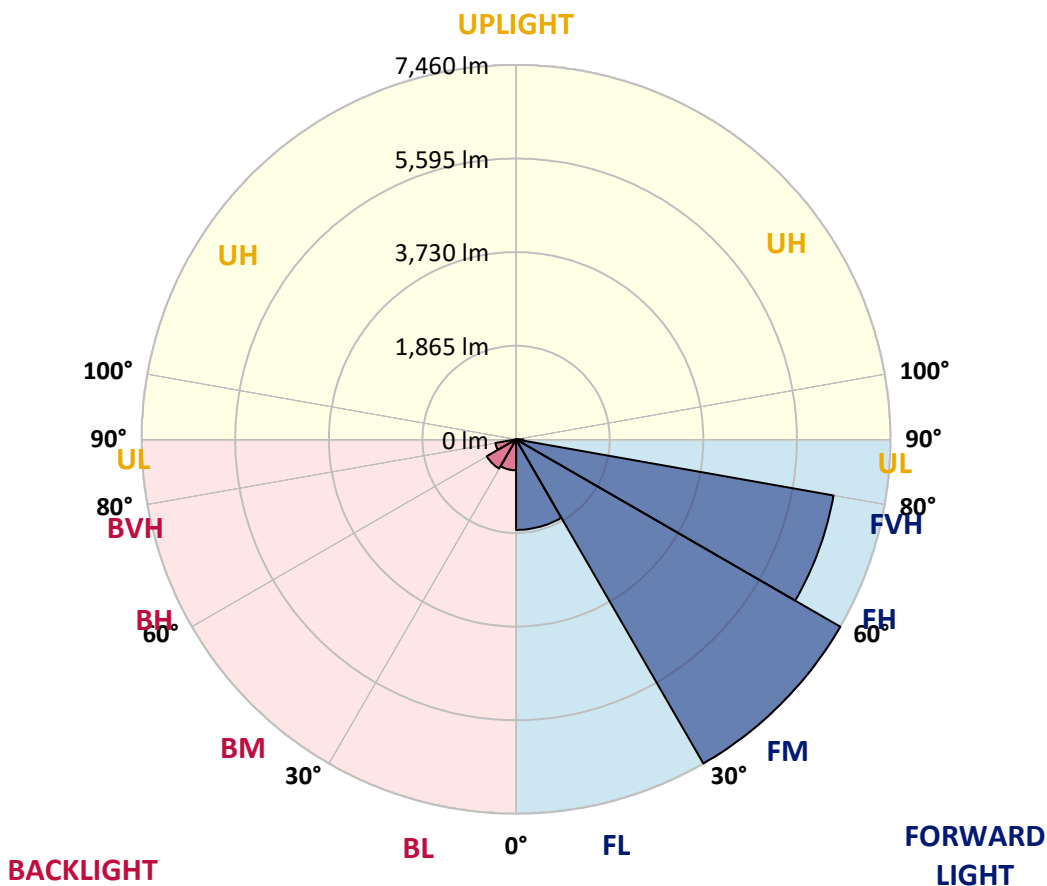
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1804.5	10.3			
FM (30°-60°)	7459.9	42.5			
FH (60°-80°)	6422.6	36.6			G3/7500
FVH (80°-90°)	140.4	0.8			G2/225
BL (0°-30°)	616.7	3.5	B2/1000		
BM (30°-60°)	672.4	3.8	B1/1000		
BH (60°-80°)	418.4	2.4	B1/500		G1/500
BVH (80°-90°)	6.3	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-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	5059.7	5059.7	5059.7	5059.7	5059.7	5059.7	5059.7	5059.7	5059.7	5059.7	5059.7
2.5°	5322.1	5331.4	5343.8	5359.3	5356.2	5342.2	5325.2	5286.3	5261.5	5183.9	5089.2
5°	5151.3	5149.7	5180.8	5210.3	5263.1	5291.0	5329.8	5294.1	5281.7	5188.5	5034.8
7.5°	4817.5	4834.6	4870.3	4916.8	4992.9	5075.2	5168.4	5157.5	5194.7	5132.6	4941.7
10°	4489.9	4480.6	4536.5	4606.3	4722.8	4828.4	4963.4	4961.9	5059.7	5053.5	4836.1
12.5°	4202.7	4201.1	4244.6	4323.8	4460.4	4607.9	4791.1	4795.7	4916.8	4966.5	4746.1
15°	3960.5	3963.6	4005.5	4087.8	4229.1	4409.2	4621.9	4660.7	4797.3	4898.2	4657.6
17.5°	3788.2	3789.7	3814.6	3886.0	4024.1	4216.7	4472.8	4525.6	4701.0	4847.0	4586.2
20°	3709.0	3702.8	3707.4	3743.1	3850.3	4025.7	4320.7	4389.0	4612.5	4811.3	4521.0
22.5°	3719.8	3710.5	3688.8	3684.1	3732.3	3865.8	4159.2	4243.0	4516.3	4789.5	4462.0
25°	3816.1	3795.9	3764.9	3718.3	3699.7	3766.4	4017.9	4104.9	4426.2	4791.1	4416.9
27.5°	3963.6	3941.9	3903.0	3840.9	3768.0	3740.0	3921.7	4004.0	4362.6	4826.8	4395.2
30°	4151.4	4134.4	4097.1	4022.6	3924.8	3809.9	3901.5	3969.8	4331.5	4899.8	4404.5
32.5°	4373.5	4361.0	4330.0	4261.7	4149.9	3974.5	3969.8	4022.6	4356.4	5005.3	4440.2
35°	4587.7	4592.4	4593.9	4556.7	4437.1	4224.4	4157.7	4176.3	4458.8	5163.7	4521.0
37.5°	4819.0	4808.2	4864.1	4890.5	4775.6	4548.9	4448.0	4449.5	4654.5	5398.1	4673.1
40°	4994.5	4997.6	5118.7	5227.3	5179.2	4960.3	4815.9	4814.4	4955.7	5719.5	4918.4
42.5°	5159.0	5179.2	5357.8	5544.1	5610.8	5416.8	5312.7	5273.9	5377.9	6154.2	5286.3
45°	5334.5	5364.0	5613.9	5879.4	6054.8	5940.0	5857.7	5873.2	5885.6	6660.3	5781.6
47.5°	5539.4	5558.0	5867.0	6241.1	6568.7	6539.2	6543.9	6525.3	6519.0	7298.4	6436.8
50°	5787.8	5831.3	6186.8	6633.9	7081.1	7276.7	7341.9	7349.6	7248.7	7993.9	7115.2
52.5°	6315.7	6368.5	6672.7	7064.0	7640.0	8051.4	8316.9	8264.1	8108.8	8667.7	7858.9
55°	6938.2	6978.6	7272.0	7677.2	8323.1	8900.6	9530.9	9509.2	9128.8	9377.2	8470.6
57.5°	6997.2	7042.2	7497.1	8118.1	9200.3	9950.1	10613.1	10682.9	10125.6	9880.3	9017.1
60°	6334.3	6425.9	7046.9	7882.2	9535.6	11361.4	11799.2	11813.2	10856.8	10391.0	9684.6
62.5°	5076.8	5120.2	5745.9	6835.8	9018.6	12184.2	13611.0	13316.0	11796.1	11181.3	10741.9
65°	2661.0	2838.0	3383.0	4589.3	7313.9	11897.0	15790.7	15710.0	13485.2	12313.1	11564.8
67.5°	1825.8	1824.2	1953.1	2392.4	4361.0	10243.6	16860.4	17748.5	15438.3	12701.2	10968.6
70°	1389.5	1394.2	1509.1	1794.7	2258.9	6818.7	15686.7	17205.1	15801.6	11532.2	8871.1
72.5°	922.2	931.5	1122.5	1450.1	1804.0	3342.6	12190.4	13766.2	13295.8	9262.4	6244.3
75°	551.1	558.9	695.5	1054.2	1603.8	1870.8	7745.5	9517.0	9152.1	6384.0	3347.2
77.5°	226.7	232.9	357.1	656.7	1173.7	1453.2	4283.4	6227.2	5482.0	2538.4	914.4
80°	94.7	97.8	172.3	459.5	846.1	911.3	1984.1	2926.5	2246.5	546.5	279.5
82.5°	34.2	35.7	63.7	253.1	526.3	686.2	1001.4	1156.6	633.4	178.5	150.6
85°	1.6	1.6	15.5	85.4	200.3	194.1	572.9	554.3	209.6	74.5	90.0
87.5°	0.0	0.0	1.6	1.6	3.1	7.8	54.3	96.3	45.0	18.6	38.8
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°	5059.7	5059.7	5059.7	5059.7	5059.7	5059.7	5059.7	5059.7	5059.7	5059.7	5059.7
2.5°	5027.1	4944.8	4854.7	4770.9	4637.4	4558.2	4460.4	4416.9	4354.8	4339.3	4348.6
5°	4924.6	4783.3	4567.5	4371.9	4118.8	3915.5	3710.5	3623.6	3511.8	3437.3	3406.2
7.5°	4780.2	4595.5	4258.6	3903.0	3555.3	3184.2	2901.7	2715.4	2546.1	2453.0	2434.4
10°	4634.3	4393.6	3910.8	3401.6	2862.9	2418.8	2036.9	1754.4	1524.6	1420.6	1339.8
12.5°	4483.7	4184.1	3556.8	2892.4	2266.7	1661.2	1189.2	914.4	749.9	684.7	695.5
15°	4345.5	3982.2	3206.0	2383.1	1596.0	1002.9	656.7	554.3	515.4	503.0	501.5
17.5°	4213.6	3791.3	2856.6	1887.9	1052.6	614.8	503.0	478.2	467.3	461.1	461.1
20°	4094.0	3608.1	2515.1	1422.1	680.0	487.5	454.9	442.5	433.2	428.5	428.5
22.5°	3982.2	3431.1	2181.3	1006.0	501.5	437.8	417.6	405.2	394.3	388.1	388.1
25°	3881.3	3271.2	1863.0	692.4	431.6	400.6	378.8	364.8	346.2	335.3	335.3
27.5°	3808.3	3128.3	1557.2	504.6	389.7	360.2	335.3	316.7	296.5	284.1	281.0
30°	3764.9	3007.2	1248.2	414.5	350.9	321.4	293.4	270.1	246.9	234.4	232.9
32.5°	3740.0	2895.5	965.7	361.7	318.3	284.1	253.1	228.2	204.9	191.0	189.4
35°	3749.3	2808.5	723.5	326.0	287.2	251.5	217.4	192.5	172.3	159.9	156.8
37.5°	3830.1	2769.7	543.4	298.1	260.8	223.6	187.9	164.6	145.9	136.6	135.1
40°	3986.9	2777.5	426.9	276.3	239.1	195.6	161.5	139.7	125.8	118.0	116.4
42.5°	4230.6	2842.7	352.4	257.7	215.8	170.8	139.7	122.6	108.7	100.9	99.4
45°	4593.9	2977.7	307.4	236.0	191.0	147.5	121.1	105.6	93.2	83.8	82.3
47.5°	5120.2	3212.2	277.9	215.8	169.2	127.3	104.0	88.5	77.6	69.9	68.3
50°	5680.7	3493.2	253.1	195.6	150.6	110.2	88.5	73.0	63.7	55.9	54.3
52.5°	6278.4	3795.9	234.4	177.0	133.5	94.7	74.5	60.5	51.2	43.5	41.9
55°	6852.8	4100.2	212.7	164.6	113.3	80.7	62.1	49.7	40.4	34.2	34.2
57.5°	7411.8	4379.7	189.4	144.4	93.2	68.3	51.2	40.4	32.6	27.9	26.4
60°	8079.3	4766.2	163.0	122.6	77.6	57.4	41.9	32.6	26.4	21.7	21.7
62.5°	9071.4	5168.4	139.7	102.5	65.2	48.1	34.2	26.4	21.7	18.6	17.1
65°	9395.9	4951.0	118.0	83.8	52.8	38.8	27.9	23.3	18.6	17.1	15.5
67.5°	8529.6	4058.3	97.8	68.3	43.5	32.6	24.8	20.2	17.1	15.5	14.0
70°	6655.7	2879.9	76.1	51.2	35.7	26.4	21.7	18.6	15.5	14.0	14.0
72.5°	4527.2	1703.1	60.5	38.8	29.5	23.3	18.6	17.1	15.5	14.0	12.4
75°	2229.4	605.5	46.6	29.5	23.3	20.2	17.1	15.5	14.0	12.4	12.4
77.5°	600.8	167.7	35.7	23.3	18.6	15.5	15.5	15.5	14.0	10.9	10.9
80°	203.4	69.9	26.4	17.1	15.5	12.4	10.9	14.0	12.4	10.9	9.3
82.5°	111.8	34.2	18.6	14.0	10.9	9.3	9.3	9.3	9.3	7.8	7.8
85°	71.4	18.6	12.4	10.9	10.9	7.8	6.2	6.2	4.7	4.7	4.7
87.5°	32.6	10.9	10.9	9.3	9.3	7.8	4.7	3.1	1.6	1.6	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)