

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: P637373

Luminaire Tested: GWS-SA4C-760-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637373
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-760-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11454.8 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

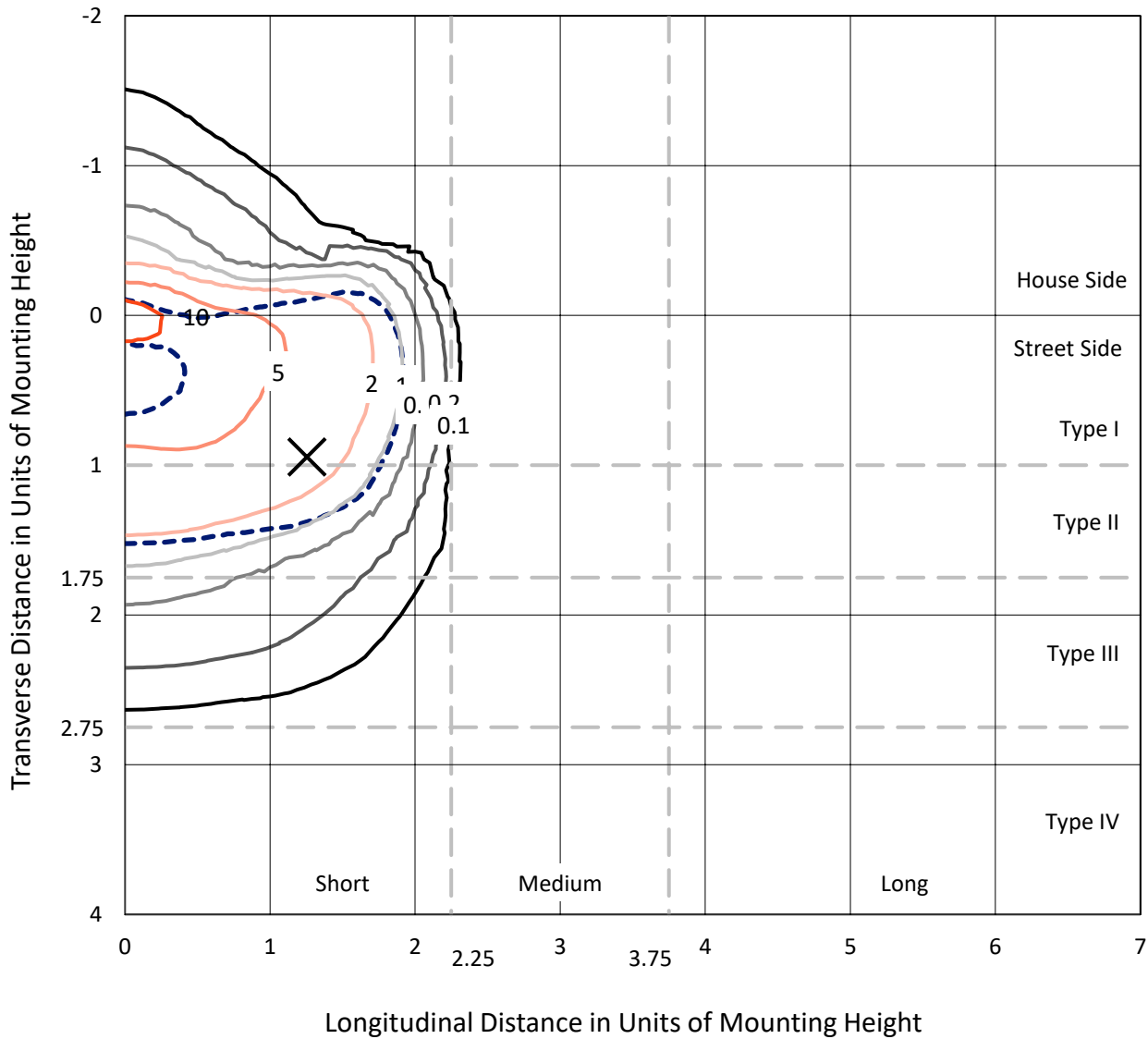
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

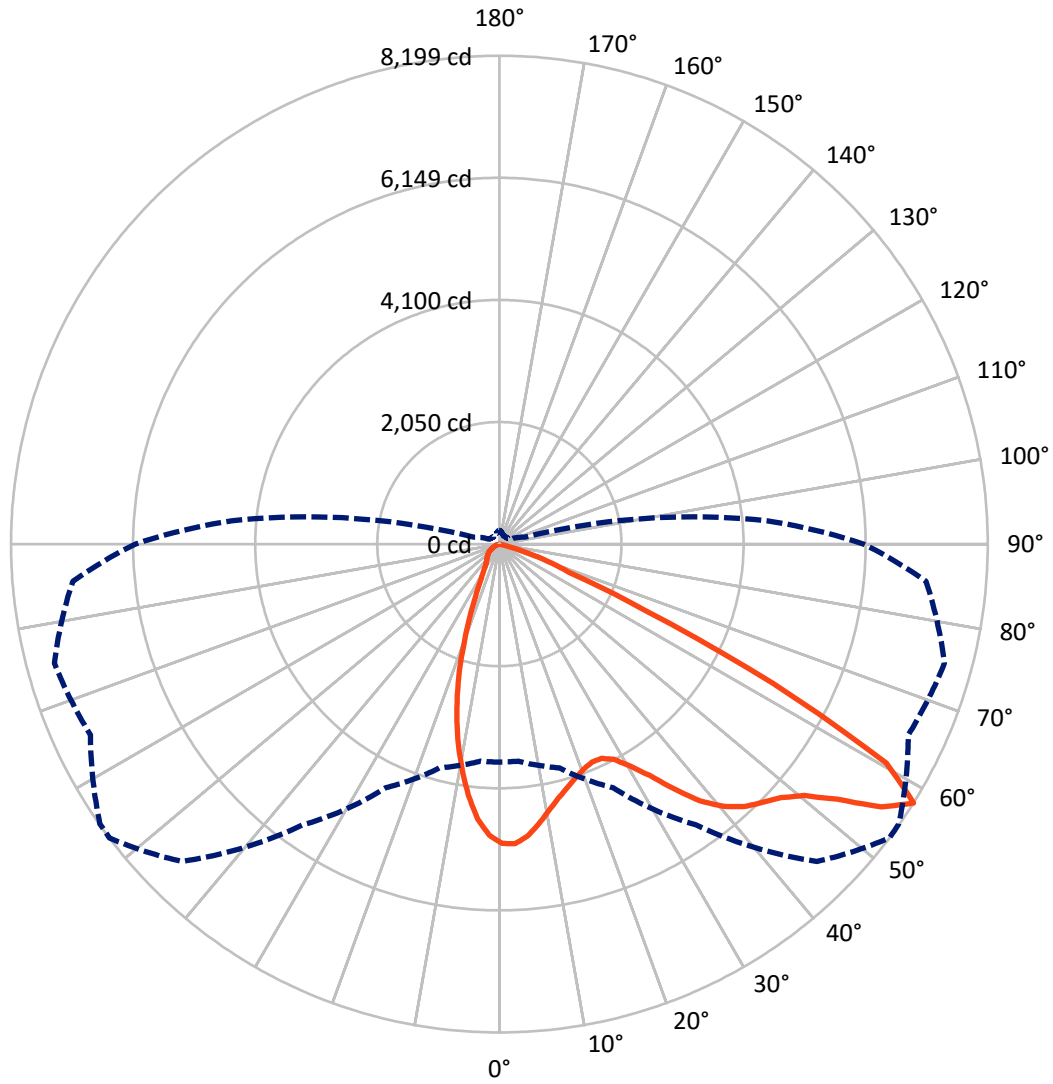
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 12.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1892.2	0.0	1892.2
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	9562.6	0.0	9562.6
	% Fixture	83.5	0.0	83.5
Total	Lumens	11454.8	0.0	11454.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.9	3.8
10°-20°	943.8	8.2
20°-30°	1229.5	10.7
30°-40°	1783.5	15.6
40°-50°	2573.4	22.5
50°-60°	3112.3	27.2
60°-70°	1268.4	11.1
70°-80°	114.0	1.0
80°-90°	0.0	0.0
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°	11454.8	100.0
0°-180°	11454.8	100.0

Coefficient of Utilization



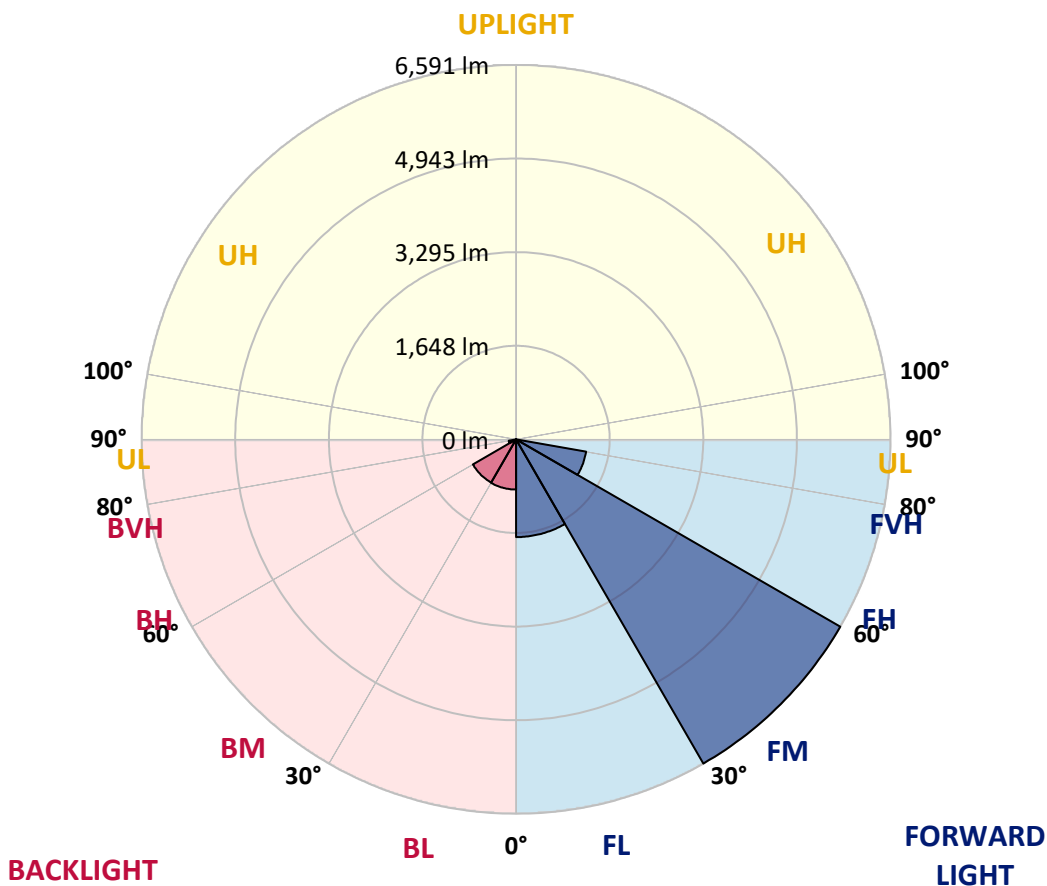
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1720.1	15.0			
FM (30°-60°)	6590.9	57.5			
FH (60°-80°)	1251.6	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	883.1	7.7	B2/1000		
BM (30°-60°)	878.3	7.7	B1/1000		
BH (60°-80°)	130.8	1.1	B1/500		G1/500
BVH (80°-90°)	0.0	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-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	5024.7	5024.7	5024.7	5024.7	5024.7	5024.7	5024.7	5024.7	5024.7	5024.7	5024.7
2.5°	4954.5	4965.8	4985.4	5010.7	5027.5	5036.0	5036.0	5059.8	5044.4	5031.7	5017.7
5°	4742.5	4753.8	4780.4	4821.2	4861.9	4891.4	4925.0	4950.3	4960.1	4960.1	4936.3
7.5°	4443.5	4458.9	4475.8	4531.9	4620.4	4686.4	4743.9	4780.4	4833.8	4850.6	4816.9
10°	4122.0	4137.4	4175.3	4252.6	4353.6	4451.9	4550.2	4596.5	4687.8	4735.5	4697.6
12.5°	3849.6	3856.6	3907.2	3999.8	4129.0	4263.8	4383.1	4430.9	4560.0	4631.6	4586.7
15°	3625.0	3629.2	3679.7	3782.2	3931.1	4096.7	4246.9	4296.1	4454.7	4562.8	4495.4
17.5°	3455.1	3456.5	3500.0	3611.0	3766.8	3950.7	4129.0	4189.4	4394.4	4524.9	4423.8
20°	3369.5	3365.3	3396.1	3493.0	3640.4	3824.4	4034.9	4109.4	4360.7	4519.3	4369.1
22.5°	3370.9	3361.1	3373.7	3442.5	3567.4	3740.1	3976.0	4060.2	4363.5	4543.2	4322.8
25°	3450.9	3436.9	3439.7	3476.2	3564.6	3721.9	3984.4	4074.3	4419.6	4623.2	4305.9
27.5°	3585.7	3570.2	3570.2	3588.5	3636.2	3779.4	4089.7	4192.2	4569.8	4779.0	4341.0
30°	3759.8	3744.3	3738.7	3757.0	3796.3	3928.2	4324.2	4430.9	4826.8	5034.6	4453.3
32.5°	3959.1	3940.9	3950.7	3976.0	4013.9	4196.4	4626.0	4767.8	5148.3	5378.5	4655.5
35°	4169.7	4154.3	4199.2	4254.0	4312.9	4568.4	5043.0	5166.5	5542.8	5806.7	4964.4
37.5°	4370.5	4363.5	4457.5	4572.7	4694.8	5014.9	5467.0	5562.4	5881.1	6272.8	5342.0
40°	4571.3	4569.8	4731.3	4933.5	5128.6	5460.0	5788.5	5867.1	6087.5	6635.1	5704.2
42.5°	4795.9	4795.9	5019.1	5288.7	5548.4	5836.2	6024.3	6059.4	6180.2	6844.2	5976.6
45°	5010.7	5023.3	5281.7	5594.7	5902.2	6129.6	6187.2	6190.0	6218.1	6967.8	6202.6
47.5°	5180.6	5191.8	5500.7	5861.5	6192.8	6352.9	6361.3	6348.7	6317.8	7085.7	6376.7
50°	5318.2	5335.0	5657.9	6039.8	6392.2	6567.7	6632.2	6619.6	6541.0	7212.1	6498.9
52.5°	5385.5	5409.4	5712.7	6128.2	6614.0	6935.5	7115.2	7144.7	6875.1	7282.3	6615.4
55°	4846.4	4881.5	5160.9	5729.5	6737.5	7504.1	7786.3	7780.7	7237.3	7491.5	6899.0
57.5°	3660.1	3657.3	3888.9	4510.9	5754.8	7536.4	8199.1	8187.8	7575.7	7734.3	7189.6
60°	2492.0	2475.2	2536.9	2837.4	4023.7	6139.5	7462.0	7613.6	7335.6	7144.7	6104.4
62.5°	2051.2	2035.7	2016.1	1933.2	2310.9	3824.4	5155.3	5385.5	5349.0	4965.8	3828.6
65°	1679.1	1691.8	1746.5	1711.4	1607.5	1961.3	2675.9	2812.1	2570.6	2163.5	1338.0
67.5°	1238.3	1243.9	1315.5	1500.8	1444.7	1305.7	1259.3	1281.8	751.1	345.4	223.2
70°	731.5	735.7	801.7	1050.2	1172.3	1002.4	850.8	838.2	297.6	92.7	101.1
72.5°	414.2	405.7	418.4	499.8	638.8	532.1	438.0	398.7	89.9	51.9	51.9
75°	196.6	190.9	164.3	154.4	140.4	89.9	56.2	47.7	22.5	21.1	21.1
77.5°	1.4	4.2	2.8	4.2	4.2	2.8	1.4	1.4	4.2	4.2	5.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	5024.7	5024.7	5024.7	5024.7	5024.7	5024.7	5024.7	5024.7	5024.7	5024.7	5024.7
2.5°	4992.4	4950.3	4940.5	4937.7	4898.4	4856.3	4812.7	4795.9	4770.6	4755.2	4767.8
5°	4898.4	4838.0	4784.7	4735.5	4648.5	4553.0	4470.2	4416.8	4366.3	4332.6	4341.0
7.5°	4765.0	4686.4	4564.2	4439.3	4279.2	4136.0	3976.0	3877.7	3786.4	3735.9	3759.8
10°	4623.2	4519.3	4324.2	4112.2	3860.9	3636.2	3407.4	3220.7	3112.6	3010.1	3021.3
12.5°	4484.2	4346.6	4054.6	3733.1	3415.8	3084.5	2739.1	2480.8	2303.9	2176.1	2156.5
15°	4355.0	4178.1	3792.1	3368.1	2935.7	2494.8	2054.0	1684.7	1479.8	1353.4	1345.0
17.5°	4239.9	4020.9	3519.7	2986.2	2444.3	1879.9	1373.1	1096.5	978.6	923.8	918.2
20°	4129.0	3862.3	3241.7	2598.7	1908.0	1319.7	947.7	819.9	782.0	759.5	762.3
22.5°	4022.3	3689.6	2949.7	2169.1	1430.6	926.6	734.3	685.1	680.9	683.7	685.1
25°	3932.5	3530.9	2649.2	1754.9	1020.7	706.2	613.5	599.5	612.1	630.4	633.2
27.5°	3886.1	3401.8	2355.8	1338.0	738.5	574.2	532.1	537.7	560.2	579.8	582.6
30°	3898.8	3304.9	2052.6	970.1	568.6	484.4	470.3	481.6	504.0	522.3	525.1
32.5°	3988.6	3255.8	1742.3	706.2	467.5	422.6	417.0	425.4	445.1	459.1	460.5
35°	4166.9	3267.0	1447.5	540.5	401.5	376.3	374.9	380.5	390.3	400.1	401.5
37.5°	4429.5	3358.2	1156.9	449.3	363.6	345.4	339.8	339.8	346.8	351.0	353.8
40°	4711.6	3495.8	926.6	397.3	336.9	317.3	306.1	301.8	307.5	313.1	314.5
42.5°	4944.7	3633.4	752.5	360.8	315.9	289.2	275.2	272.4	279.4	289.2	292.0
45°	5123.0	3740.1	627.6	331.3	292.0	262.5	247.1	247.1	259.7	276.6	279.4
47.5°	5285.9	3825.8	534.9	304.7	269.6	238.7	223.2	226.0	247.1	269.6	273.8
50°	5396.8	3894.6	466.1	280.8	251.3	219.0	205.0	210.6	235.9	262.5	266.8
52.5°	5516.1	3978.8	421.2	259.7	234.5	203.6	190.9	195.1	223.2	252.7	258.3
55°	5846.0	4261.0	419.8	231.7	205.0	182.5	176.9	178.3	206.4	240.1	247.1
57.5°	6115.6	4509.5	447.9	195.1	171.3	160.1	157.2	158.6	183.9	221.8	230.2
60°	5059.8	3504.3	370.6	161.5	143.2	140.4	136.2	139.0	162.9	196.6	203.6
62.5°	2994.6	2003.4	176.9	123.5	122.1	119.3	115.1	120.7	143.2	172.7	176.9
65°	1023.5	593.9	112.3	101.1	103.9	99.7	95.5	101.1	120.7	137.6	139.0
67.5°	196.6	157.2	89.9	84.2	85.6	77.2	75.8	81.4	92.7	95.5	94.1
70°	102.5	91.3	68.8	68.8	66.0	54.8	54.8	60.4	60.4	56.2	54.8
72.5°	53.4	50.5	44.9	50.5	42.1	33.7	33.7	36.5	33.7	28.1	28.1
75°	21.1	21.1	19.7	25.3	18.3	15.4	14.0	16.8	12.6	9.8	9.8
77.5°	5.6	5.6	5.6	7.0	4.2	4.2	2.8	2.8	1.4	0.0	0.0
80°	0.0	1.4	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)