

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: P639738

Luminaire Tested: GWS-SA5C-740-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639738
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-SA5C-740-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13927.8 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

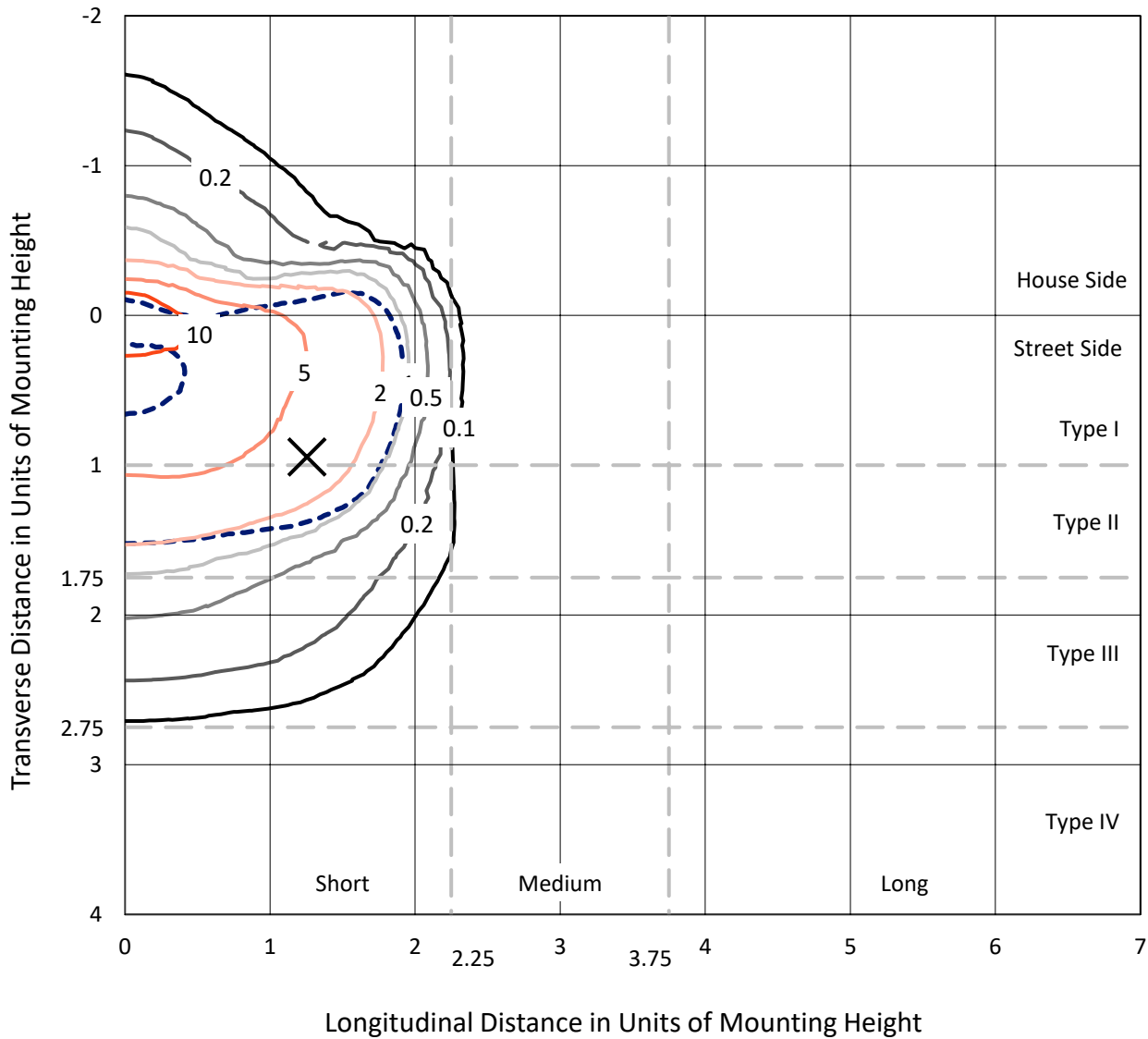
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

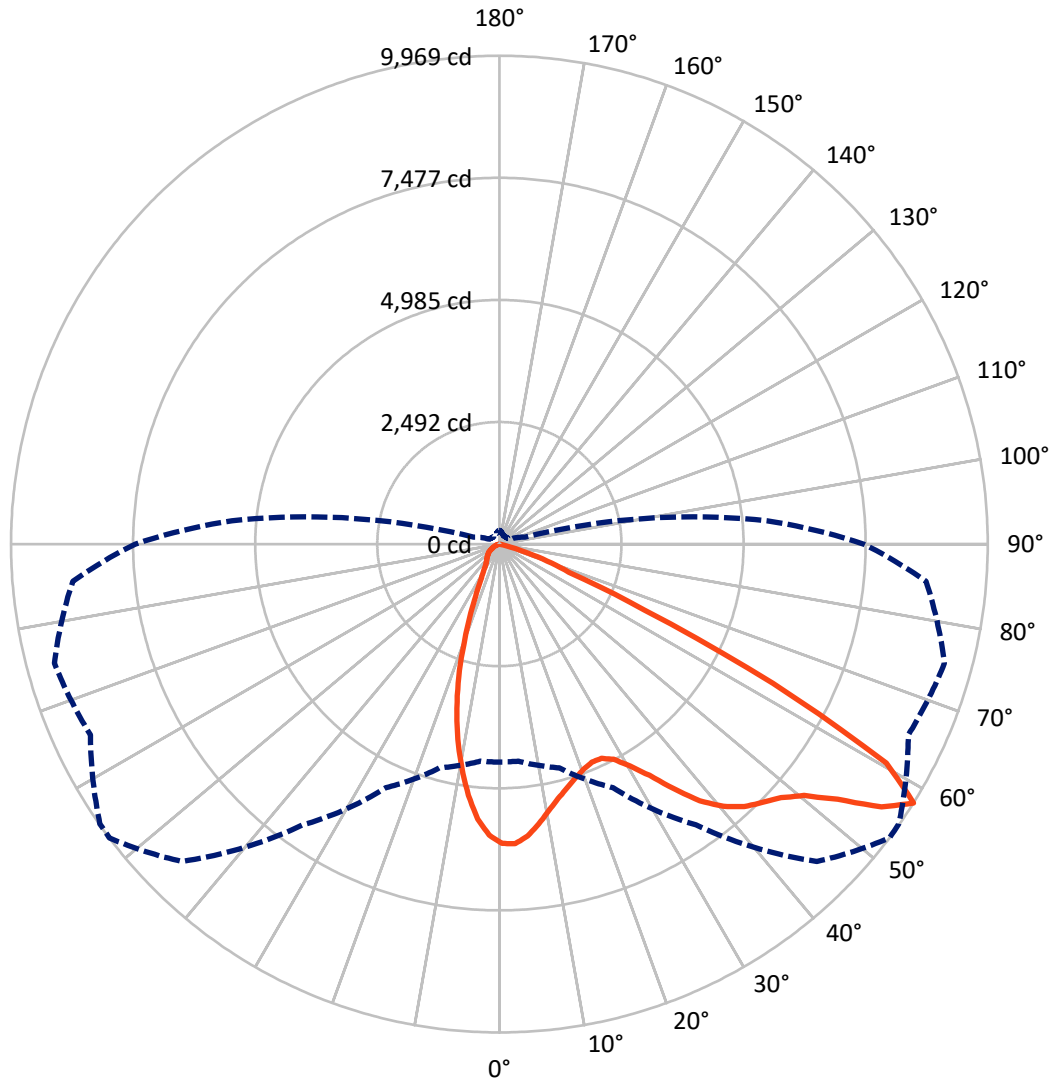
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 15.3 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	2300.7	0.0	2300.7
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	11627.1	0.0	11627.1
	% Fixture	83.5	0.0	83.5
Total	Lumens	13927.8	0.0	13927.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	522.7	3.8
10°-20°	1147.6	8.2
20°-30°	1495.0	10.7
30°-40°	2168.5	15.6
40°-50°	3129.0	22.5
50°-60°	3784.2	27.2
60°-70°	1542.3	11.1
70°-80°	138.6	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°	13927.8	100.0
0°-180°	13927.8	100.0

Coefficient of Utilization



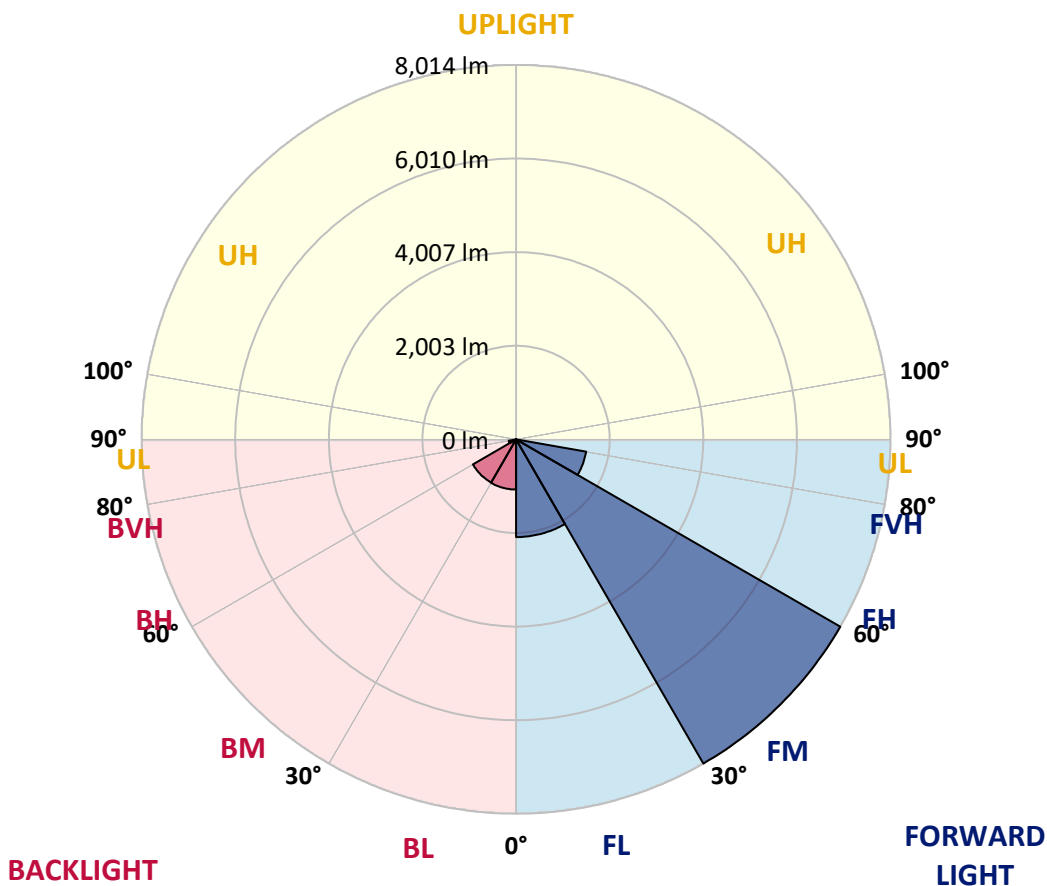
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2091.5	15.0			
FM (30°-60°)	8013.8	57.5			
FH (60°-80°)	1521.8	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1073.8	7.7	B3/2500		
BM (30°-60°)	1067.9	7.7	B2/2500		
BH (60°-80°)	159.0	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: B3-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	6109.5	6109.5	6109.5	6109.5	6109.5	6109.5	6109.5	6109.5	6109.5	6109.5	6109.5
2.5°	6024.2	6037.8	6061.7	6092.5	6112.9	6123.2	6123.2	6152.2	6133.4	6118.1	6101.0
5°	5766.4	5780.1	5812.5	5862.0	5911.5	5947.4	5988.3	6019.1	6031.0	6031.0	6002.0
7.5°	5402.8	5421.6	5442.1	5510.4	5617.9	5698.1	5768.1	5812.5	5877.4	5897.9	5856.9
10°	5011.9	5030.7	5076.8	5170.7	5293.6	5413.1	5532.5	5588.9	5699.8	5757.9	5711.8
12.5°	4680.7	4689.3	4750.7	4863.4	5020.4	5184.3	5329.4	5387.4	5544.5	5631.6	5576.9
15°	4407.6	4412.7	4474.2	4598.8	4779.7	4981.2	5163.8	5223.6	5416.5	5547.9	5466.0
17.5°	4201.0	4202.8	4255.7	4390.5	4580.0	4803.6	5020.4	5093.8	5343.1	5501.8	5378.9
20°	4096.9	4091.8	4129.4	4247.1	4426.4	4650.0	4906.1	4996.5	5302.1	5495.0	5312.3
22.5°	4098.6	4086.7	4102.0	4185.7	4337.6	4547.6	4834.4	4936.8	5305.5	5524.0	5256.0
25°	4195.9	4178.9	4182.3	4226.7	4334.2	4525.4	4844.6	4953.9	5373.8	5621.3	5235.5
27.5°	4359.8	4341.0	4341.0	4363.2	4421.3	4595.4	4972.6	5097.2	5556.4	5810.8	5278.2
30°	4571.5	4552.7	4545.9	4568.1	4615.9	4776.3	5257.7	5387.4	5868.8	6121.5	5414.8
32.5°	4813.9	4791.7	4803.6	4834.4	4880.5	5102.4	5624.7	5797.1	6259.7	6539.7	5660.6
35°	5069.9	5051.2	5105.8	5172.4	5244.1	5554.7	6131.7	6281.9	6739.4	7060.4	6036.1
37.5°	5314.0	5305.5	5419.9	5559.9	5708.4	6097.6	6647.2	6763.3	7150.8	7627.1	6495.3
40°	5558.2	5556.4	5752.8	5998.6	6235.8	6638.7	7038.2	7133.8	7401.8	8067.5	6935.7
42.5°	5831.3	5831.3	6102.7	6430.5	6746.3	7096.2	7324.9	7367.6	7514.4	8321.9	7266.9
45°	6092.5	6107.8	6421.9	6802.6	7176.4	7453.0	7523.0	7526.4	7560.5	8472.1	7541.7
47.5°	6299.0	6312.7	6688.2	7126.9	7529.8	7724.4	7734.6	7719.3	7681.7	8615.5	7753.4
50°	6466.3	6486.8	6879.4	7343.7	7772.2	7985.6	8064.1	8048.7	7953.1	8769.1	7901.9
52.5°	6548.2	6577.3	6946.0	7451.3	8041.9	8432.8	8651.3	8687.2	8359.4	8854.5	8043.6
55°	5892.7	5935.4	6275.1	6966.5	8192.1	9124.2	9467.3	9460.5	8799.8	9108.8	8388.4
57.5°	4450.3	4446.9	4728.5	5484.7	6997.2	9163.4	9969.2	9955.5	9211.2	9404.1	8741.8
60°	3030.0	3009.5	3084.6	3449.9	4892.4	7464.9	9073.0	9257.3	8919.3	8687.2	7422.2
62.5°	2494.0	2475.2	2451.3	2350.6	2809.8	4650.0	6268.3	6548.2	6503.9	6037.8	4655.1
65°	2041.6	2057.0	2123.6	2080.9	1954.6	2384.7	3253.6	3419.2	3125.6	2630.6	1626.8
67.5°	1505.6	1512.4	1599.5	1824.8	1756.6	1587.6	1531.2	1558.5	913.3	419.9	271.4
70°	889.4	894.5	974.7	1276.9	1425.4	1218.8	1034.5	1019.1	361.9	112.7	122.9
72.5°	503.6	493.3	508.7	607.7	776.7	647.0	532.6	484.8	109.3	63.2	63.2
75°	239.0	232.2	199.7	187.8	170.7	109.3	68.3	58.0	27.3	25.6	25.6
77.5°	1.7	5.1	3.4	5.1	5.1	3.4	1.7	1.7	5.1	5.1	6.8
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°	6109.5	6109.5	6109.5	6109.5	6109.5	6109.5	6109.5	6109.5	6109.5	6109.5	6109.5
2.5°	6070.3	6019.1	6007.1	6003.7	5955.9	5904.7	5851.8	5831.3	5800.6	5781.8	5797.1
5°	5955.9	5882.5	5817.6	5757.9	5652.0	5536.0	5435.2	5370.4	5308.9	5268.0	5278.2
7.5°	5793.7	5698.1	5549.6	5397.7	5203.1	5029.0	4834.4	4714.9	4603.9	4542.5	4571.5
10°	5621.3	5495.0	5257.7	4999.9	4694.4	4421.3	4143.0	3916.0	3784.5	3659.9	3673.6
12.5°	5452.3	5285.0	4930.0	4539.0	4153.2	3750.4	3330.5	3016.4	2801.3	2645.9	2622.0
15°	5295.3	5080.2	4610.7	4095.2	3569.4	3033.4	2497.4	2048.5	1799.2	1645.6	1635.4
17.5°	5155.3	4889.0	4279.6	3630.9	2972.0	2285.7	1669.5	1333.2	1189.8	1123.2	1116.4
20°	5020.4	4696.1	3941.6	3159.7	2319.9	1604.6	1152.3	996.9	950.8	923.5	926.9
22.5°	4890.7	4486.1	3586.5	2637.4	1739.5	1126.7	892.8	833.0	827.9	831.3	833.0
25°	4781.4	4293.2	3221.2	2133.8	1241.0	858.6	746.0	728.9	744.3	766.5	769.9
27.5°	4725.1	4136.2	2864.4	1626.8	897.9	698.2	647.0	653.8	681.1	705.0	708.4
30°	4740.5	4018.4	2495.7	1179.6	691.4	588.9	571.9	585.5	612.8	635.0	638.4
32.5°	4849.7	3958.6	2118.4	858.6	568.4	513.8	507.0	517.2	541.1	558.2	559.9
35°	5066.5	3972.3	1760.0	657.2	488.2	457.5	455.8	462.6	474.6	486.5	488.2
37.5°	5385.7	4083.3	1406.6	546.3	442.1	419.9	413.1	413.1	421.6	426.8	430.2
40°	5728.9	4250.6	1126.7	483.1	409.7	385.8	372.1	367.0	373.8	380.7	382.4
42.5°	6012.2	4417.8	915.0	438.7	384.1	351.7	334.6	331.2	339.7	351.7	355.1
45°	6229.0	4547.6	763.1	402.9	355.1	319.2	300.4	300.4	315.8	336.3	339.7
47.5°	6427.0	4651.7	650.4	370.4	327.8	290.2	271.4	274.8	300.4	327.8	332.9
50°	6561.9	4735.4	566.7	341.4	305.6	266.3	249.2	256.1	286.8	319.2	324.3
52.5°	6707.0	4837.8	512.1	315.8	285.1	247.5	232.2	237.3	271.4	307.3	314.1
55°	7108.2	5180.9	510.4	281.7	249.2	221.9	215.1	216.8	250.9	291.9	300.4
57.5°	7435.9	5483.0	544.5	237.3	208.3	194.6	191.2	192.9	223.6	269.7	280.0
60°	6152.2	4260.8	450.7	196.3	174.1	170.7	165.6	169.0	198.0	239.0	247.5
62.5°	3641.1	2436.0	215.1	150.2	148.5	145.1	140.0	146.8	174.1	210.0	215.1
65°	1244.4	722.1	136.6	122.9	126.3	121.2	116.1	122.9	146.8	167.3	169.0
67.5°	239.0	191.2	109.3	102.4	104.1	93.9	92.2	99.0	112.7	116.1	114.4
70°	124.6	111.0	83.6	83.6	80.2	66.6	66.6	73.4	73.4	68.3	66.6
72.5°	64.9	61.5	54.6	61.5	51.2	41.0	41.0	44.4	41.0	34.1	34.1
75°	25.6	25.6	23.9	30.7	22.2	18.8	17.1	20.5	15.4	11.9	11.9
77.5°	6.8	6.8	6.8	8.5	5.1	5.1	3.4	3.4	1.7	0.0	0.0
80°	0.0	1.7	0.0	1.7	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)