

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: P639848

Luminaire Tested: GWS-SA5C-760-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639848
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14051.7 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

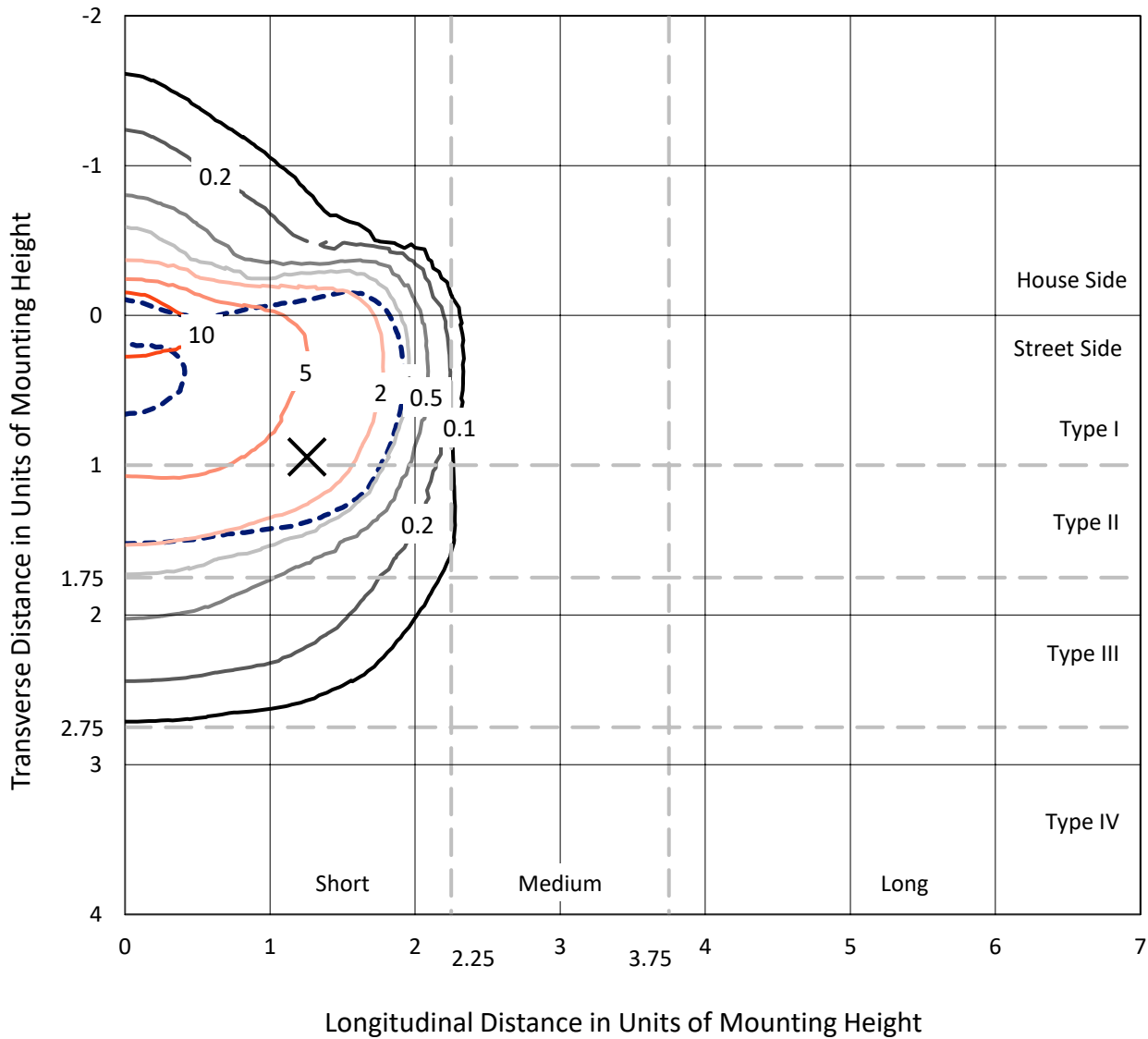
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

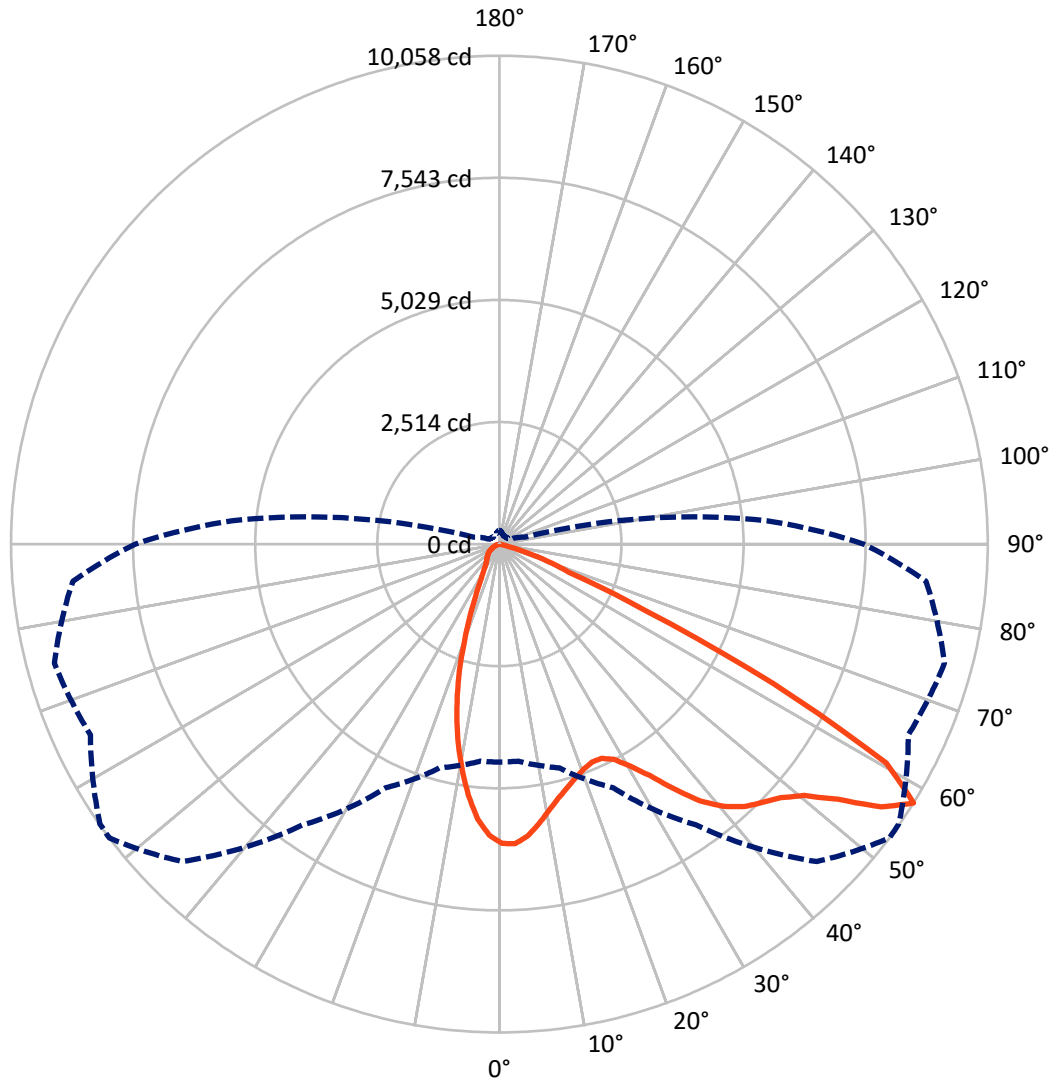
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 15.4 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	2321.2	0.0	2321.2
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	11730.5	0.0	11730.5
	% Fixture	83.5	0.0	83.5
Total	Lumens	14051.7	0.0	14051.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	527.4	3.8
10°-20°	1157.8	8.2
20°-30°	1508.3	10.7
30°-40°	2187.8	15.6
40°-50°	3156.8	22.5
50°-60°	3817.9	27.2
60°-70°	1556.0	11.1
70°-80°	139.8	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°	14051.7	100.0
0°-180°	14051.7	100.0

Coefficient of Utilization



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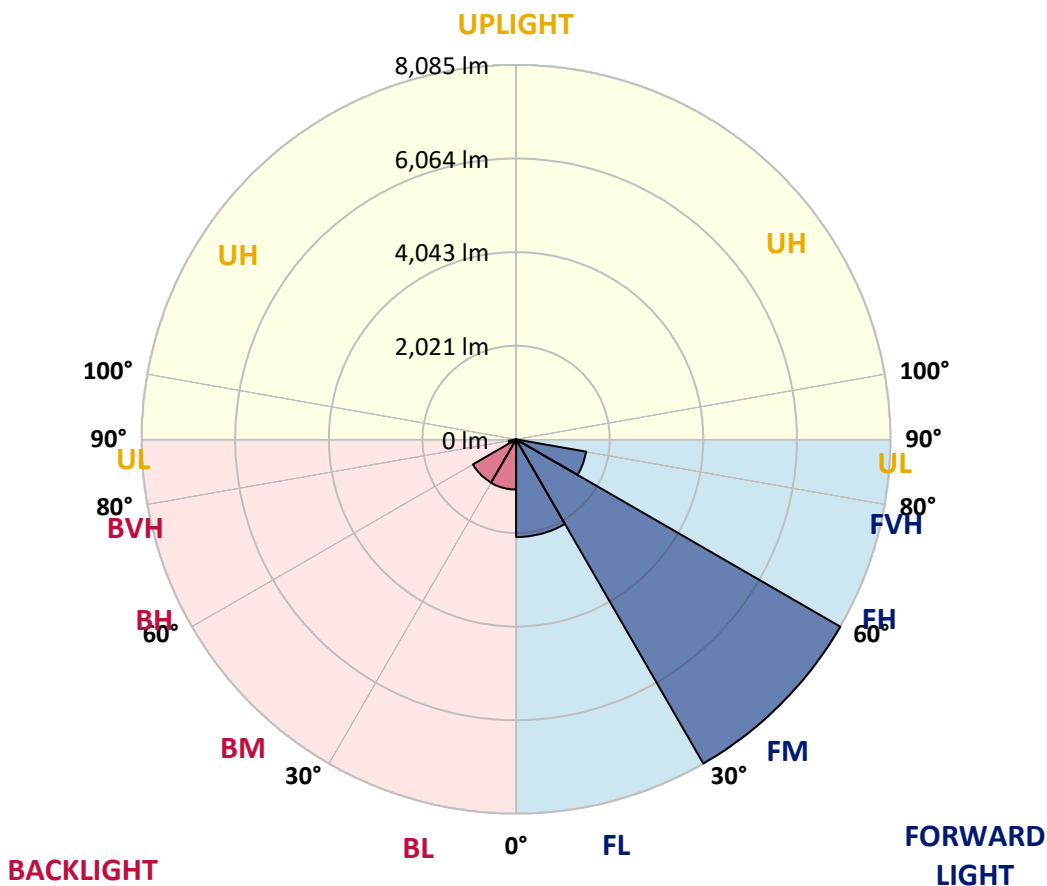
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2110.1	15.0			
FM (30°-60°)	8085.1	57.5			
FH (60°-80°)	1535.4	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1083.3	7.7	B3/2500		
BM (30°-60°)	1077.4	7.7	B2/2500		
BH (60°-80°)	160.5	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°	6163.9	6163.9	6163.9	6163.9	6163.9	6163.9	6163.9	6163.9	6163.9	6163.9	6163.9
2.5°	6077.8	6091.5	6115.7	6146.7	6167.3	6177.7	6177.7	6206.9	6188.0	6172.5	6155.3
5°	5817.7	5831.5	5864.2	5914.2	5964.1	6000.3	6041.6	6072.6	6084.7	6084.7	6055.4
7.5°	5450.9	5469.8	5490.5	5559.4	5667.9	5748.8	5819.4	5864.2	5929.7	5950.3	5909.0
10°	5056.5	5075.4	5121.9	5216.6	5340.6	5461.2	5581.8	5638.6	5750.5	5809.1	5762.6
12.5°	4722.4	4731.0	4793.0	4906.6	5065.1	5230.4	5376.8	5435.4	5593.8	5681.7	5626.5
15°	4446.8	4452.0	4514.0	4639.7	4822.3	5025.5	5209.8	5270.0	5464.6	5597.3	5514.6
17.5°	4238.4	4240.1	4293.5	4429.6	4620.8	4846.4	5065.1	5139.1	5390.6	5550.8	5426.8
20°	4133.4	4128.2	4166.1	4284.9	4465.8	4691.4	4949.7	5041.0	5349.3	5543.9	5359.6
22.5°	4135.1	4123.0	4138.5	4222.9	4376.2	4588.0	4877.4	4980.7	5352.7	5573.2	5302.8
25°	4233.3	4216.0	4219.5	4264.3	4372.8	4565.6	4887.7	4997.9	5421.6	5671.3	5282.1
27.5°	4398.6	4379.6	4379.6	4402.0	4460.6	4636.3	5016.9	5142.6	5605.9	5862.5	5325.1
30°	4612.1	4593.2	4586.3	4608.7	4656.9	4818.8	5304.5	5435.4	5921.0	6175.9	5462.9
32.5°	4856.7	4834.3	4846.4	4877.4	4923.9	5147.8	5674.8	5848.7	6315.4	6597.9	5710.9
35°	5115.0	5096.1	5151.2	5218.4	5290.7	5604.2	6186.3	6337.8	6799.4	7123.2	6089.8
37.5°	5361.3	5352.7	5468.1	5609.3	5759.2	6151.8	6706.4	6823.5	7214.4	7694.9	6553.1
40°	5607.6	5605.9	5803.9	6051.9	6291.3	6697.8	7100.8	7197.2	7467.6	8139.3	6997.4
42.5°	5883.2	5883.2	6157.0	6487.7	6806.3	7159.3	7390.1	7433.2	7581.3	8395.9	7331.6
45°	6146.7	6162.2	6479.0	6863.1	7240.3	7519.3	7589.9	7593.3	7627.8	8547.4	7608.8
47.5°	6355.0	6368.8	6747.7	7190.3	7596.8	7793.1	7803.4	7787.9	7750.1	8692.1	7822.4
50°	6523.8	6544.5	6940.6	7409.1	7841.3	8056.6	8135.8	8120.3	8023.9	8847.1	7972.2
52.5°	6606.5	6635.8	7007.8	7517.6	8113.4	8507.8	8728.3	8764.5	8433.8	8933.2	8115.2
55°	5945.2	5988.2	6330.9	7028.4	8265.0	9205.3	9551.5	9544.6	8878.1	9189.8	8463.1
57.5°	4489.9	4486.4	4770.6	5533.5	7059.4	9245.0	10057.8	10044.1	9293.2	9487.8	8819.6
60°	3057.0	3036.3	3112.1	3480.6	4935.9	7531.3	9153.7	9339.7	8998.7	8764.5	7488.3
62.5°	2516.2	2497.2	2473.1	2371.5	2834.8	4691.4	6324.0	6606.5	6561.7	6091.5	4696.5
65°	2059.8	2075.3	2142.5	2099.4	1972.0	2406.0	3282.6	3449.6	3153.4	2654.0	1641.3
67.5°	1519.0	1525.9	1613.7	1841.1	1772.2	1601.7	1544.8	1572.4	921.4	423.7	273.8
70°	897.3	902.5	983.4	1288.2	1438.1	1229.7	1043.7	1028.2	365.1	113.7	124.0
72.5°	508.1	497.7	513.2	613.1	783.6	652.7	537.3	489.1	110.2	63.7	63.7
75°	241.1	234.2	201.5	189.4	172.2	110.2	68.9	58.6	27.6	25.8	25.8
77.5°	1.7	5.2	3.4	5.2	5.2	3.4	1.7	1.7	5.2	5.2	6.9
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°	6163.9	6163.9	6163.9	6163.9	6163.9	6163.9	6163.9	6163.9	6163.9	6163.9	6163.9
2.5°	6124.3	6072.6	6060.5	6057.1	6008.9	5957.2	5903.8	5883.2	5852.2	5833.2	5848.7
5°	6008.9	5934.8	5869.4	5809.1	5702.3	5585.2	5483.6	5418.1	5356.1	5314.8	5325.1
7.5°	5845.3	5748.8	5599.0	5445.7	5249.4	5073.7	4877.4	4756.8	4644.9	4582.9	4612.1
10°	5671.3	5543.9	5304.5	5044.4	4736.1	4460.6	4179.9	3950.8	3818.2	3692.5	3706.2
12.5°	5500.8	5332.0	4973.8	4579.4	4190.2	3783.7	3360.1	3043.2	2826.2	2669.5	2645.4
15°	5342.4	5125.4	4651.8	4131.6	3601.2	3060.4	2519.6	2066.7	1815.2	1660.2	1649.9
17.5°	5201.1	4932.5	4317.6	3663.2	2998.4	2306.1	1684.3	1345.1	1200.4	1133.2	1126.3
20°	5065.1	4737.9	3976.6	3187.9	2340.5	1618.9	1162.5	1005.8	959.3	931.7	935.2
22.5°	4934.2	4526.0	3618.4	2660.9	1755.0	1136.7	900.7	840.5	835.3	838.7	840.5
25°	4824.0	4331.4	3249.9	2152.8	1252.1	866.3	752.6	735.4	750.9	773.3	776.7
27.5°	4767.1	4173.0	2889.9	1641.3	905.9	704.4	652.7	659.6	687.2	711.3	714.7
30°	4782.6	4054.1	2517.9	1190.1	697.5	594.2	576.9	590.7	618.3	640.7	644.1
32.5°	4892.9	3993.9	2137.3	866.3	573.5	518.4	511.5	521.8	545.9	563.2	564.9
35°	5111.6	4007.6	1775.6	663.1	492.6	461.6	459.8	466.7	478.8	490.8	492.6
37.5°	5433.6	4119.6	1419.1	551.1	446.1	423.7	416.8	416.8	425.4	430.6	434.0
40°	5779.8	4288.4	1136.7	487.4	413.3	389.2	375.4	370.3	377.2	384.1	385.8
42.5°	6065.7	4457.1	923.1	442.6	387.5	354.8	337.6	334.1	342.7	354.8	358.2
45°	6284.4	4588.0	769.8	406.4	358.2	322.1	303.1	303.1	318.6	339.3	342.7
47.5°	6484.2	4693.1	656.2	373.7	330.7	292.8	273.8	277.3	303.1	330.7	335.8
50°	6620.3	4777.5	571.8	344.4	308.3	268.7	251.4	258.3	289.3	322.1	327.2
52.5°	6766.7	4880.8	516.7	318.6	287.6	249.7	234.2	239.4	273.8	310.0	316.9
55°	7171.4	5227.0	514.9	284.2	251.4	223.9	217.0	218.7	253.2	294.5	303.1
57.5°	7502.1	5531.8	549.4	239.4	210.1	196.3	192.9	194.6	225.6	272.1	282.4
60°	6206.9	4298.7	454.7	198.1	175.7	172.2	167.1	170.5	199.8	241.1	249.7
62.5°	3673.5	2457.6	217.0	151.6	149.8	146.4	141.2	148.1	175.7	211.8	217.0
65°	1255.5	728.5	137.8	124.0	127.4	122.3	117.1	124.0	148.1	168.8	170.5
67.5°	241.1	192.9	110.2	103.3	105.1	94.7	93.0	99.9	113.7	117.1	115.4
70°	125.7	111.9	84.4	84.4	80.9	67.2	67.2	74.1	74.1	68.9	67.2
72.5°	65.4	62.0	55.1	62.0	51.7	41.3	41.3	44.8	41.3	34.4	34.4
75°	25.8	25.8	24.1	31.0	22.4	18.9	17.2	20.7	15.5	12.1	12.1
77.5°	6.9	6.9	6.9	8.6	5.2	5.2	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)