

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: P636218

Luminaire Tested: GWS-SA3F-735-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636218
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-SA3F-735-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14105 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

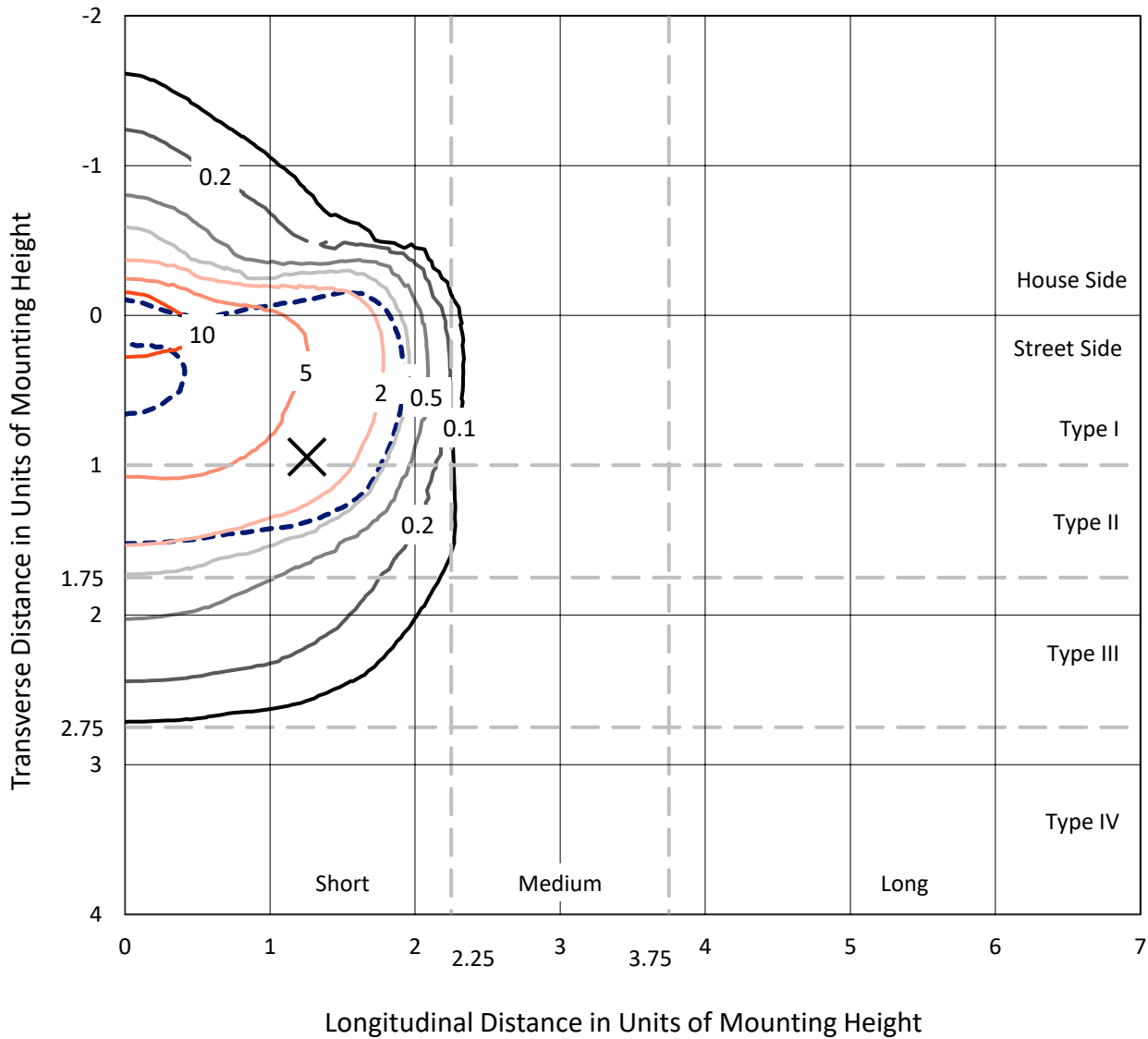
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

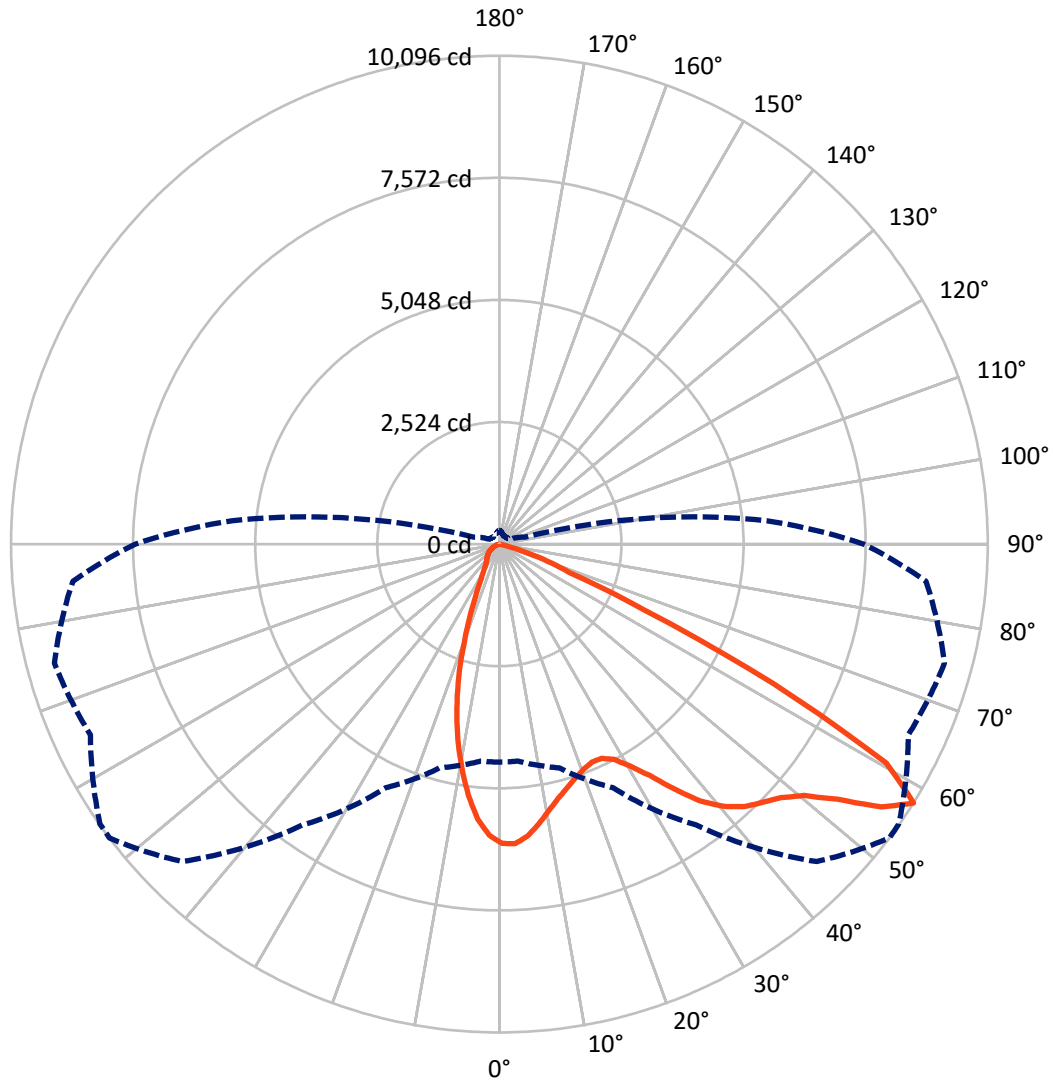
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 15.5 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	2330.0	0.0	2330.0
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	11775.0	0.0	11775.0
	% Fixture	83.5	0.0	83.5
Total	Lumens	14105.0	0.0	14105.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	529.4	3.8
10°-20°	1162.2	8.2
20°-30°	1514.0	10.7
30°-40°	2196.1	15.6
40°-50°	3168.8	22.5
50°-60°	3832.3	27.2
60°-70°	1561.9	11.1
70°-80°	140.3	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°	14105.0	100.0
0°-180°	14105.0	100.0

Coefficient of Utilization



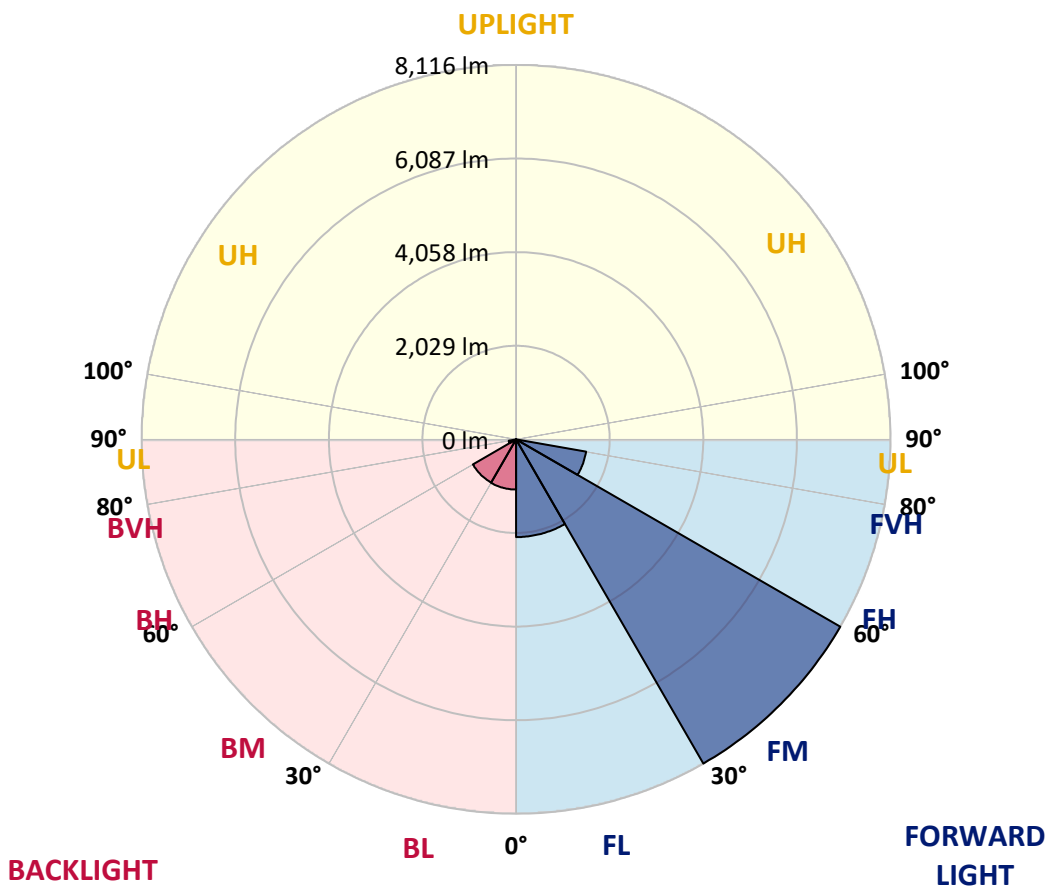
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2118.1	15.0			
FM (30°-60°)	8115.7	57.5			
FH (60°-80°)	1541.2	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1087.4	7.7	B3/2500		
BM (30°-60°)	1081.5	7.7	B2/2500		
BH (60°-80°)	161.1	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°	6187.3	6187.3	6187.3	6187.3	6187.3	6187.3	6187.3	6187.3	6187.3	6187.3	6187.3
2.5°	6100.8	6114.6	6138.9	6170.0	6190.7	6201.1	6201.1	6230.5	6211.5	6195.9	6178.6
5°	5839.8	5853.6	5886.5	5936.6	5986.7	6023.0	6064.5	6095.6	6107.7	6107.7	6078.3
7.5°	5471.5	5490.6	5511.3	5580.5	5689.4	5770.6	5841.5	5886.5	5952.1	5972.9	5931.4
10°	5075.7	5094.7	5141.4	5236.4	5360.9	5481.9	5602.9	5660.0	5772.4	5831.1	5784.5
12.5°	4740.3	4748.9	4811.2	4925.3	5084.3	5250.3	5397.2	5456.0	5615.0	5703.2	5647.9
15°	4463.7	4468.9	4531.1	4657.3	4840.5	5044.5	5229.5	5290.0	5485.4	5618.5	5535.5
17.5°	4254.5	4256.2	4309.8	4446.4	4638.3	4864.8	5084.3	5158.6	5411.0	5571.8	5447.3
20°	4149.0	4143.9	4181.9	4301.2	4482.7	4709.2	4968.5	5060.1	5369.6	5564.9	5379.9
22.5°	4150.8	4138.7	4154.2	4238.9	4392.8	4605.4	4895.9	4999.6	5373.0	5594.3	5322.9
25°	4249.3	4232.0	4235.5	4280.4	4389.3	4583.0	4906.2	5016.9	5442.2	5692.8	5302.1
27.5°	4415.3	4396.3	4396.3	4418.7	4477.5	4653.8	5035.9	5162.1	5627.1	5884.7	5345.3
30°	4629.6	4610.6	4603.7	4626.2	4674.6	4837.1	5324.6	5456.0	5943.5	6199.4	5483.6
32.5°	4875.1	4852.6	4864.8	4895.9	4942.5	5167.3	5696.3	5870.9	6339.4	6622.9	5732.6
35°	5134.4	5115.4	5170.7	5238.2	5310.8	5625.4	6209.7	6361.9	6825.2	7150.2	6112.9
37.5°	5381.7	5373.0	5488.8	5630.6	5781.0	6175.2	6731.8	6849.4	7241.8	7724.1	6578.0
40°	5628.9	5627.1	5825.9	6074.9	6315.2	6723.2	7127.7	7224.5	7495.9	8170.2	7024.0
42.5°	5905.5	5905.5	6180.3	6512.3	6832.1	7186.5	7418.1	7461.4	7610.0	8427.7	7359.4
45°	6170.0	6185.5	6503.6	6889.1	7267.7	7547.8	7618.7	7622.1	7656.7	8579.9	7637.7
47.5°	6379.2	6393.0	6773.3	7217.6	7625.6	7822.7	7833.0	7817.5	7779.5	8725.1	7852.1
50°	6548.6	6569.3	6966.9	7437.2	7871.1	8087.2	8166.7	8151.1	8054.3	8880.7	8002.5
52.5°	6631.6	6660.9	7034.4	7546.1	8144.2	8540.1	8761.4	8797.7	8465.8	8967.1	8146.0
55°	5967.7	6010.9	6354.9	7055.1	8296.4	9240.3	9587.7	9580.8	8911.8	9224.7	8495.2
57.5°	4506.9	4503.4	4788.7	5554.5	7086.2	9280.0	10096.0	10082.2	9328.4	9523.8	8853.0
60°	3068.6	3047.8	3123.9	3493.8	4954.6	7559.9	9188.4	9375.1	9032.8	8797.7	7516.7
62.5°	2525.7	2506.7	2482.5	2380.5	2845.6	4709.2	6348.0	6631.6	6586.6	6114.6	4714.3
65°	2067.6	2083.2	2150.6	2107.4	1979.4	2415.1	3295.0	3462.7	3165.4	2664.0	1647.5
67.5°	1524.8	1531.7	1619.9	1848.1	1778.9	1607.8	1550.7	1578.4	924.9	425.3	274.9
70°	900.7	905.9	987.1	1293.1	1443.5	1234.3	1047.6	1032.1	366.5	114.1	124.5
72.5°	510.0	499.6	515.2	615.4	786.6	655.2	539.4	491.0	110.6	64.0	64.0
75°	242.0	235.1	202.3	190.2	172.9	110.6	69.2	58.8	27.7	25.9	25.9
77.5°	1.7	5.2	3.5	5.2	5.2	3.5	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°	6187.3	6187.3	6187.3	6187.3	6187.3	6187.3	6187.3	6187.3	6187.3	6187.3	6187.3
2.5°	6147.5	6095.6	6083.5	6080.1	6031.7	5979.8	5926.2	5905.5	5874.4	5855.3	5870.9
5°	6031.7	5957.3	5891.6	5831.1	5723.9	5606.4	5504.4	5438.7	5376.5	5335.0	5345.3
7.5°	5867.4	5770.6	5620.2	5466.4	5269.3	5092.9	4895.9	4774.9	4662.5	4600.2	4629.6
10°	5692.8	5564.9	5324.6	5063.6	4754.1	4477.5	4195.7	3965.8	3832.7	3706.5	3720.3
12.5°	5521.7	5352.3	4992.7	4596.8	4206.1	3798.1	3372.8	3054.7	2836.9	2679.6	2655.4
15°	5362.6	5144.8	4669.4	4147.3	3614.9	3072.0	2529.2	2074.5	1822.1	1666.5	1656.2
17.5°	5220.9	4951.2	4334.0	3677.1	3009.8	2314.8	1690.7	1350.2	1205.0	1137.5	1130.6
20°	5084.3	4755.8	3991.7	3199.9	2349.4	1625.0	1166.9	1009.6	962.9	935.3	938.7
22.5°	4952.9	4543.2	3632.1	2670.9	1761.6	1141.0	904.1	843.6	838.5	841.9	843.6
25°	4842.3	4347.8	3262.2	2161.0	1256.8	869.6	755.5	738.2	753.7	776.2	779.7
27.5°	4785.2	4188.8	2900.9	1647.5	909.3	707.1	655.2	662.1	689.8	714.0	717.4
30°	4800.8	4069.5	2527.5	1194.6	700.2	596.4	579.1	593.0	620.6	643.1	646.6
32.5°	4911.4	4009.0	2145.4	869.6	575.7	520.4	513.4	523.8	548.0	565.3	567.0
35°	5131.0	4022.8	1782.4	665.6	494.4	463.3	461.6	468.5	480.6	492.7	494.4
37.5°	5454.3	4135.2	1424.5	553.2	447.8	425.3	418.4	418.4	427.0	432.2	435.6
40°	5801.7	4304.6	1141.0	489.2	414.9	390.7	376.9	371.7	378.6	385.5	387.2
42.5°	6088.7	4474.0	926.6	444.3	389.0	356.1	338.8	335.4	344.0	356.1	359.6
45°	6308.3	4605.4	772.8	408.0	359.6	323.3	304.3	304.3	319.8	340.6	344.0
47.5°	6508.8	4710.9	658.7	375.1	331.9	293.9	274.9	278.3	304.3	331.9	337.1
50°	6645.4	4795.6	574.0	345.8	309.4	269.7	252.4	259.3	290.4	323.3	328.5
52.5°	6792.3	4899.3	518.6	319.8	288.7	250.7	235.1	240.3	274.9	311.2	318.1
55°	7198.6	5246.8	516.9	285.2	252.4	224.7	217.8	219.6	254.1	295.6	304.3
57.5°	7530.5	5552.8	551.5	240.3	210.9	197.1	193.6	195.4	226.5	273.1	283.5
60°	6230.5	4315.0	456.4	198.8	176.3	172.9	167.7	171.1	200.5	242.0	250.7
62.5°	3687.5	2467.0	217.8	152.1	150.4	146.9	141.8	148.7	176.3	212.6	217.8
65°	1260.3	731.3	138.3	124.5	127.9	122.7	117.6	124.5	148.7	169.4	171.1
67.5°	242.0	193.6	110.6	103.7	105.5	95.1	93.4	100.3	114.1	117.6	115.8
70°	126.2	112.4	84.7	84.7	81.3	67.4	67.4	74.3	74.3	69.2	67.4
72.5°	65.7	62.2	55.3	62.2	51.9	41.5	41.5	44.9	41.5	34.6	34.6
75°	25.9	25.9	24.2	31.1	22.5	19.0	17.3	20.7	15.6	12.1	12.1
77.5°	6.9	6.9	6.9	8.6	5.2	5.2	3.5	3.5	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)