

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: P639514

Luminaire Tested: GWS-SA5C-722-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639514
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-722-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10299.4 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

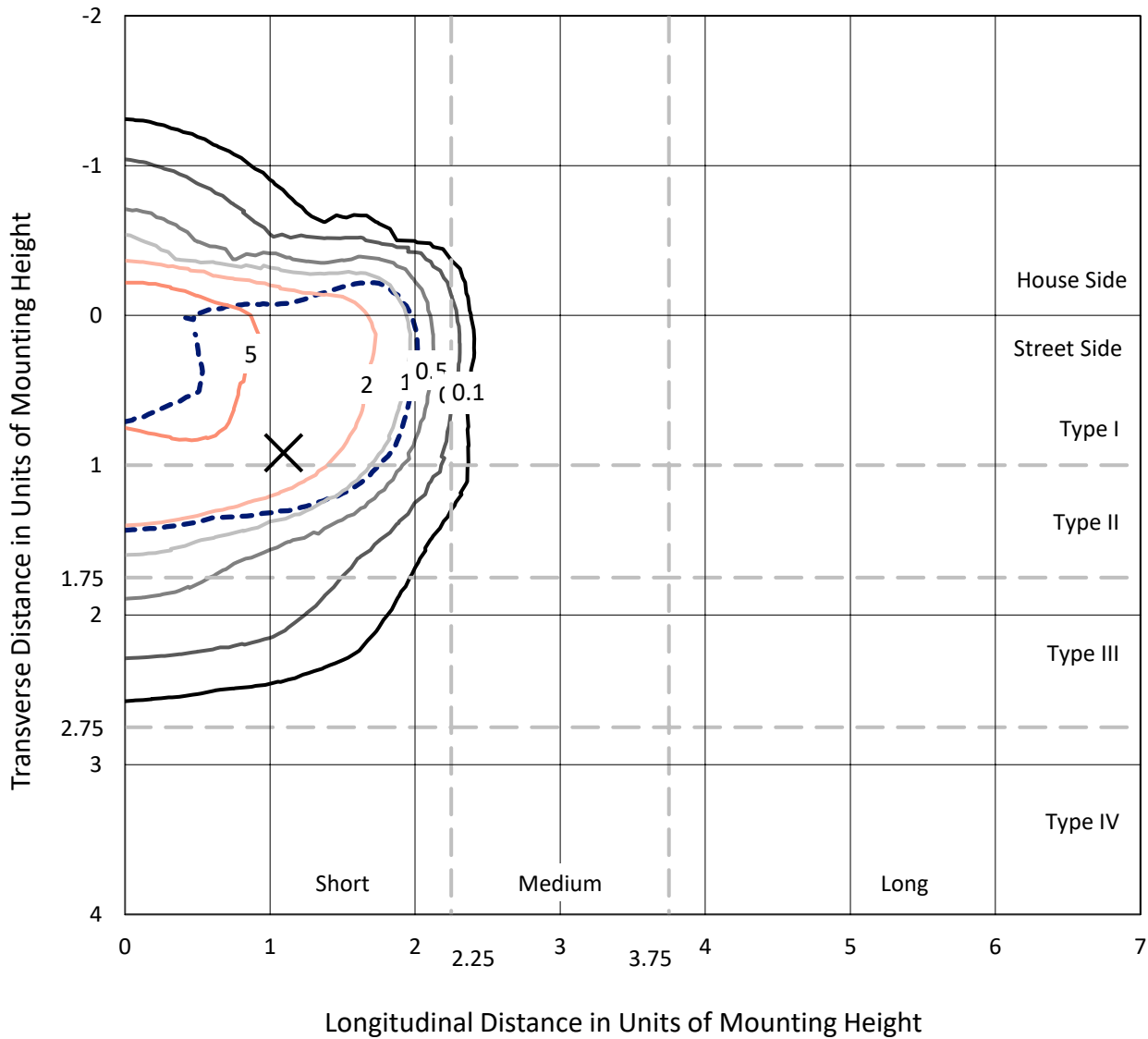
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

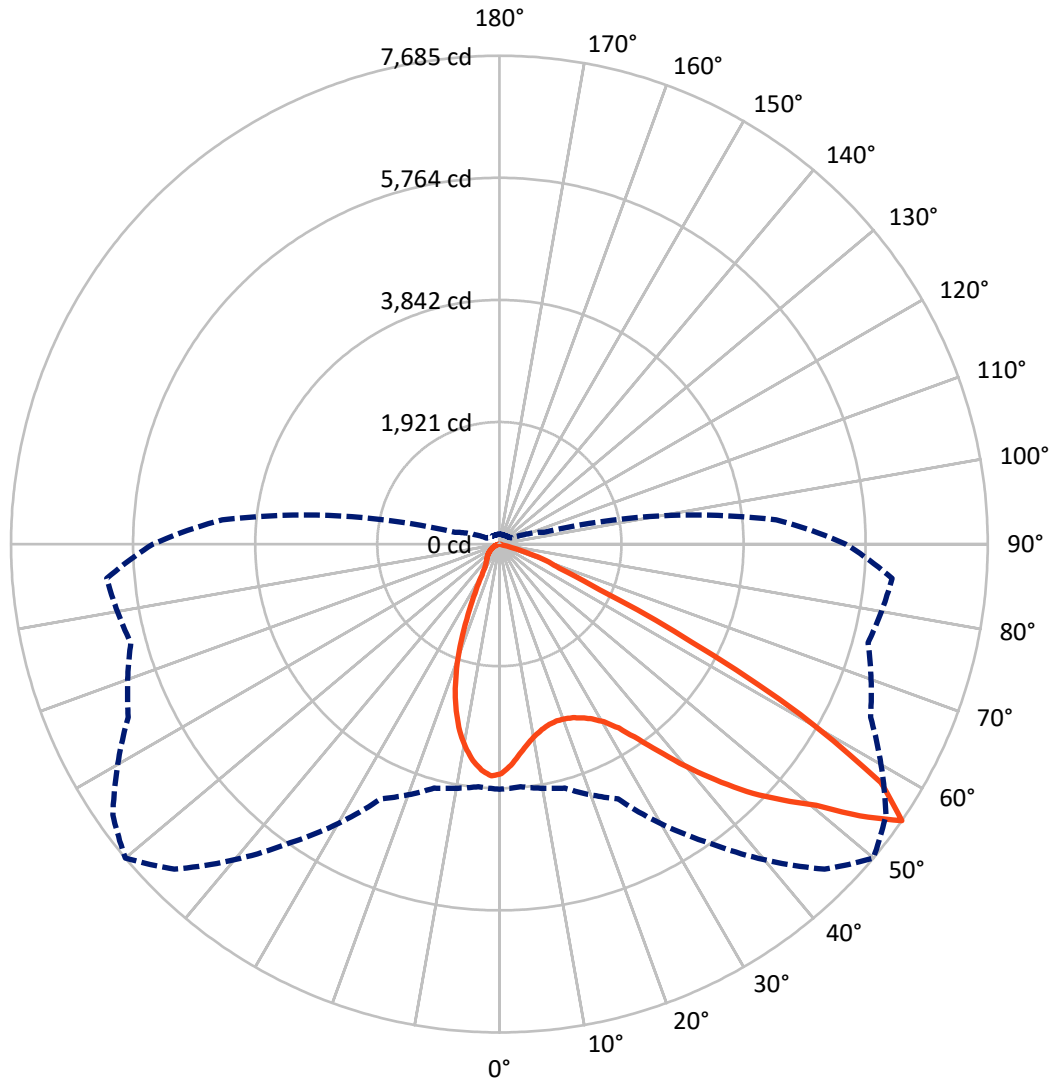
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2029.5	0.0	2029.5
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	8269.9	0.0	8269.9
	% Fixture	80.3	0.0	80.3
Total	Lumens	10299.4	0.0	10299.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.3	3.1
10°-20°	780.9	7.6
20°-30°	1101.5	10.7
30°-40°	1630.1	15.8
40°-50°	2351.7	22.8
50°-60°	2774.0	26.9
60°-70°	1237.4	12.0
70°-80°	106.4	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°	10299.4	100.0
0°-180°	10299.4	100.0

Coefficient of Utilization



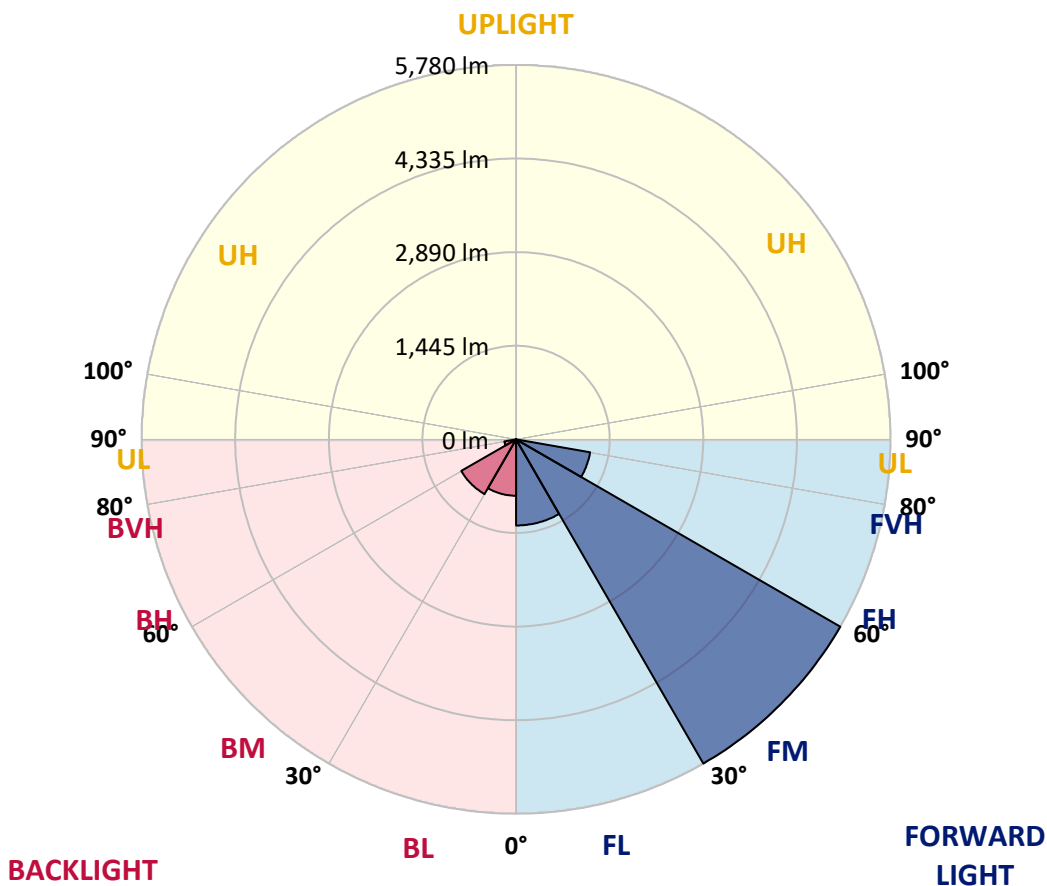
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1329.7	12.9			
FM (30°-60°)	5779.7	56.1			
FH (60°-80°)	1160.6	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	870.2	8.4	B2/1000		
BM (30°-60°)	976.0	9.5	B1/1000		
BH (60°-80°)	183.2	1.8	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°	50°	55°	65°	75°	85°
0°	3613.6	3613.6	3613.6	3613.6	3613.6	3613.6	3613.6	3613.6	3613.6	3613.6	3613.6
2.5°	3357.1	3359.6	3360.9	3394.8	3407.4	3457.7	3484.1	3497.9	3534.4	3577.1	3612.3
5°	3132.0	3128.3	3134.6	3177.3	3205.0	3279.1	3319.4	3347.0	3427.5	3528.1	3612.3
7.5°	2935.9	2943.4	2951.0	2997.5	3039.0	3119.5	3177.3	3218.8	3330.7	3480.3	3622.4
10°	2797.6	2797.6	2808.9	2861.7	2910.7	3010.1	3067.9	3120.7	3254.0	3437.6	3633.7
12.5°	2695.7	2697.0	2710.8	2771.2	2827.8	2930.9	2991.2	3042.8	3189.9	3394.8	3636.2
15°	2648.0	2644.2	2655.5	2719.6	2782.5	2879.3	2942.2	2992.5	3144.6	3370.9	3648.8
17.5°	2635.4	2632.9	2641.7	2704.5	2768.7	2863.0	2924.6	2974.9	3138.3	3378.5	3686.5
20°	2671.9	2666.8	2663.1	2717.1	2777.5	2870.5	2934.6	2991.2	3168.5	3420.0	3744.4
22.5°	2758.6	2758.6	2749.8	2776.2	2816.4	2900.7	2967.3	3041.5	3247.7	3503.0	3829.9
25°	2918.3	2905.7	2889.4	2900.7	2895.7	2948.5	3027.7	3130.8	3397.3	3640.0	3934.2
27.5°	3100.6	3111.9	3084.3	3085.5	3041.5	3022.7	3114.4	3270.3	3619.9	3833.6	4088.9
30°	3348.3	3339.5	3340.8	3337.0	3235.1	3145.9	3245.2	3452.7	3900.3	4129.1	4290.1
32.5°	3541.9	3554.5	3596.0	3619.9	3486.6	3343.3	3448.9	3700.4	4219.6	4466.1	4536.5
35°	3746.9	3769.5	3853.8	3931.7	3819.8	3655.1	3768.3	4028.5	4520.1	4799.3	4819.4
37.5°	3963.1	4008.4	4109.0	4246.0	4228.4	4082.6	4185.7	4414.5	4756.5	5000.5	5053.3
40°	4210.8	4254.8	4419.6	4617.0	4658.5	4625.8	4659.7	4793.0	4912.4	5009.3	5153.8
42.5°	4482.4	4542.8	4751.5	5015.5	5171.4	5200.4	5121.2	5107.3	4980.3	4908.7	5132.5
45°	4803.0	4873.5	5109.8	5451.8	5699.5	5738.5	5601.5	5424.2	5023.1	4834.5	5068.3
47.5°	5162.6	5229.3	5464.4	5875.6	6244.0	6259.1	6020.2	5734.7	5150.1	4920.0	5117.4
50°	5283.4	5324.8	5528.5	6011.4	6690.3	6806.0	6460.2	6084.3	5405.3	5171.4	5356.3
52.5°	4868.4	4884.8	5062.1	5549.9	6599.8	7342.9	7102.7	6606.1	5859.2	5554.9	5724.7
55°	3857.5	3831.1	3974.5	4422.1	5736.0	7233.5	7684.9	7425.9	6443.9	6005.1	6203.7
57.5°	2698.3	2666.8	2634.1	2937.2	4280.0	6132.1	7081.4	7540.3	7000.9	6451.4	6720.5
60°	2218.0	2187.8	2029.4	1889.8	2587.6	4403.2	5439.3	6303.1	6955.6	6428.8	6704.1
62.5°	1916.2	1898.6	1834.5	1644.6	1522.6	2513.4	3406.1	4233.5	5337.4	5048.2	5063.3
65°	1505.0	1500.0	1544.0	1564.1	1346.6	1390.6	1737.6	2200.3	2885.6	2720.9	2580.1
67.5°	1028.5	1017.2	1100.2	1352.9	1295.1	1097.7	1017.2	1026.0	1248.5	763.2	606.0
70°	653.8	627.4	628.7	838.6	1053.7	866.3	784.6	690.3	621.1	113.2	128.2
72.5°	418.7	402.3	345.8	378.5	487.8	422.5	426.2	367.1	245.2	60.4	70.4
75°	176.0	162.2	124.5	99.3	98.1	61.6	54.1	50.3	33.9	33.9	36.5
77.5°	1.3	0.0	0.0	1.3	2.5	1.3	1.3	2.5	5.0	7.5	8.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
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°	3613.6	3613.6	3613.6	3613.6	3613.6	3613.6	3613.6	3613.6	3613.6	3613.6	3613.6
2.5°	3633.7	3603.5	3637.5	3650.1	3648.8	3650.1	3613.6	3588.5	3587.2	3555.8	3540.7
5°	3647.6	3623.7	3648.8	3632.5	3593.5	3544.4	3479.1	3422.5	3397.3	3360.9	3343.3
7.5°	3674.0	3648.8	3645.0	3579.7	3482.8	3379.7	3264.1	3161.0	3105.6	3039.0	3042.8
10°	3692.8	3663.9	3614.9	3481.6	3320.6	3155.9	2983.7	2830.3	2733.5	2644.2	2629.1
12.5°	3700.4	3657.6	3543.2	3342.0	3115.7	2900.7	2648.0	2429.2	2278.3	2161.4	2145.0
15°	3714.2	3645.0	3451.4	3173.5	2863.0	2558.7	2236.8	1937.6	1737.6	1603.1	1614.4
17.5°	3735.6	3631.2	3348.3	2984.9	2591.4	2161.4	1726.3	1383.1	1199.5	1121.5	1122.8
20°	3765.7	3614.9	3235.1	2777.5	2265.7	1712.5	1207.0	948.0	896.5	894.0	890.2
22.5°	3806.0	3598.5	3114.4	2549.9	1879.7	1199.5	803.4	723.0	744.3	785.8	793.4
25°	3853.8	3578.4	2979.9	2293.4	1458.5	787.1	602.3	589.7	641.2	696.6	709.1
27.5°	3927.9	3568.3	2826.5	2001.7	1023.5	564.5	492.9	500.4	546.9	593.5	604.8
30°	4053.7	3587.2	2659.3	1674.8	657.6	450.1	427.5	438.8	464.0	487.8	497.9
32.5°	4224.7	3642.5	2497.1	1317.7	469.0	391.0	386.0	392.3	402.3	416.2	420.0
35°	4424.6	3738.1	2329.9	943.0	387.3	357.1	352.1	352.1	357.1	359.6	360.9
37.5°	4589.3	3838.7	2172.7	627.4	347.0	330.7	323.1	319.4	318.1	320.6	321.9
40°	4661.0	3880.2	2001.7	456.4	318.1	306.8	295.5	284.2	284.2	293.0	294.2
42.5°	4610.7	3833.6	1804.3	377.2	298.0	281.6	264.0	254.0	259.0	267.8	270.3
45°	4503.8	3719.2	1586.8	333.2	277.9	256.5	236.4	230.1	235.1	246.4	249.0
47.5°	4486.2	3643.8	1326.5	304.3	256.5	235.1	213.7	207.5	213.7	222.5	225.1
50°	4661.0	3709.2	1037.3	279.1	236.4	212.5	194.9	188.6	192.4	197.4	199.9
52.5°	4980.3	3951.8	837.4	255.2	212.5	189.9	178.5	171.0	171.0	176.0	177.3
55°	5451.8	4375.6	723.0	227.6	184.8	172.3	162.2	154.7	154.7	157.2	158.4
57.5°	5995.0	4888.5	749.4	191.1	162.2	155.9	147.1	140.8	143.3	143.3	143.3
60°	5919.6	4850.8	802.2	160.9	143.3	140.8	133.3	130.8	137.1	132.0	129.5
62.5°	4360.5	3350.8	420.0	132.0	123.2	120.7	115.7	120.7	129.5	115.7	110.6
65°	2117.4	1622.0	168.5	108.1	104.4	101.8	99.3	106.9	111.9	90.5	85.5
67.5°	497.9	404.9	109.4	91.8	86.8	81.7	84.2	85.5	81.7	61.6	59.1
70°	129.5	127.0	85.5	76.7	69.2	64.1	64.1	62.9	54.1	39.0	36.5
72.5°	70.4	69.2	61.6	57.8	47.8	42.7	44.0	39.0	30.2	22.6	21.4
75°	35.2	37.7	35.2	32.7	26.4	23.9	23.9	21.4	15.1	8.8	8.8
77.5°	7.5	8.8	8.8	7.5	6.3	5.0	5.0	6.3	2.5	0.0	0.0
80°	1.3	1.3	1.3	1.3	1.3	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)