

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: P634898

Luminaire Tested: GWS-SA3C-760-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634898
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-SA3C-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8231.6 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

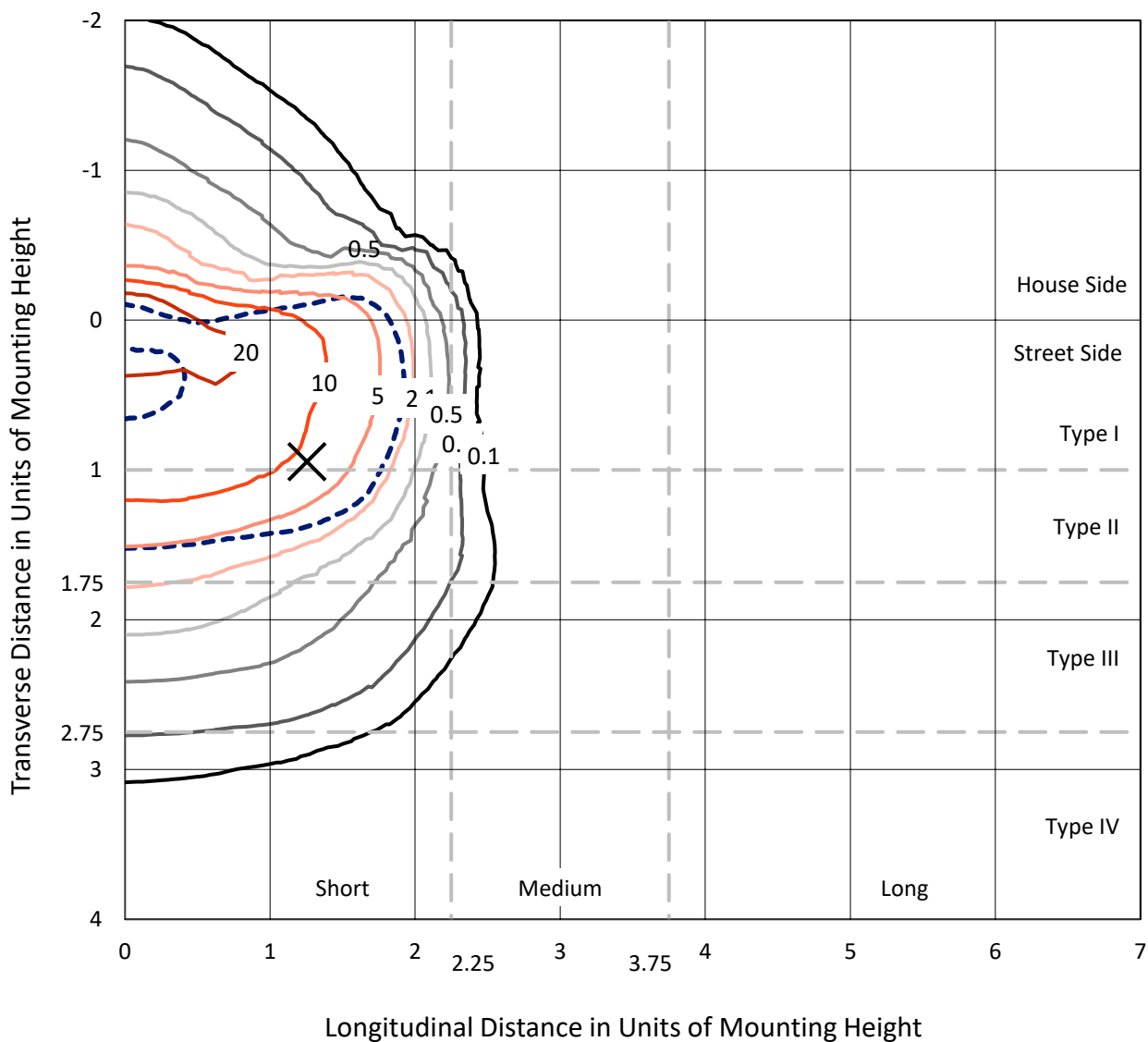
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

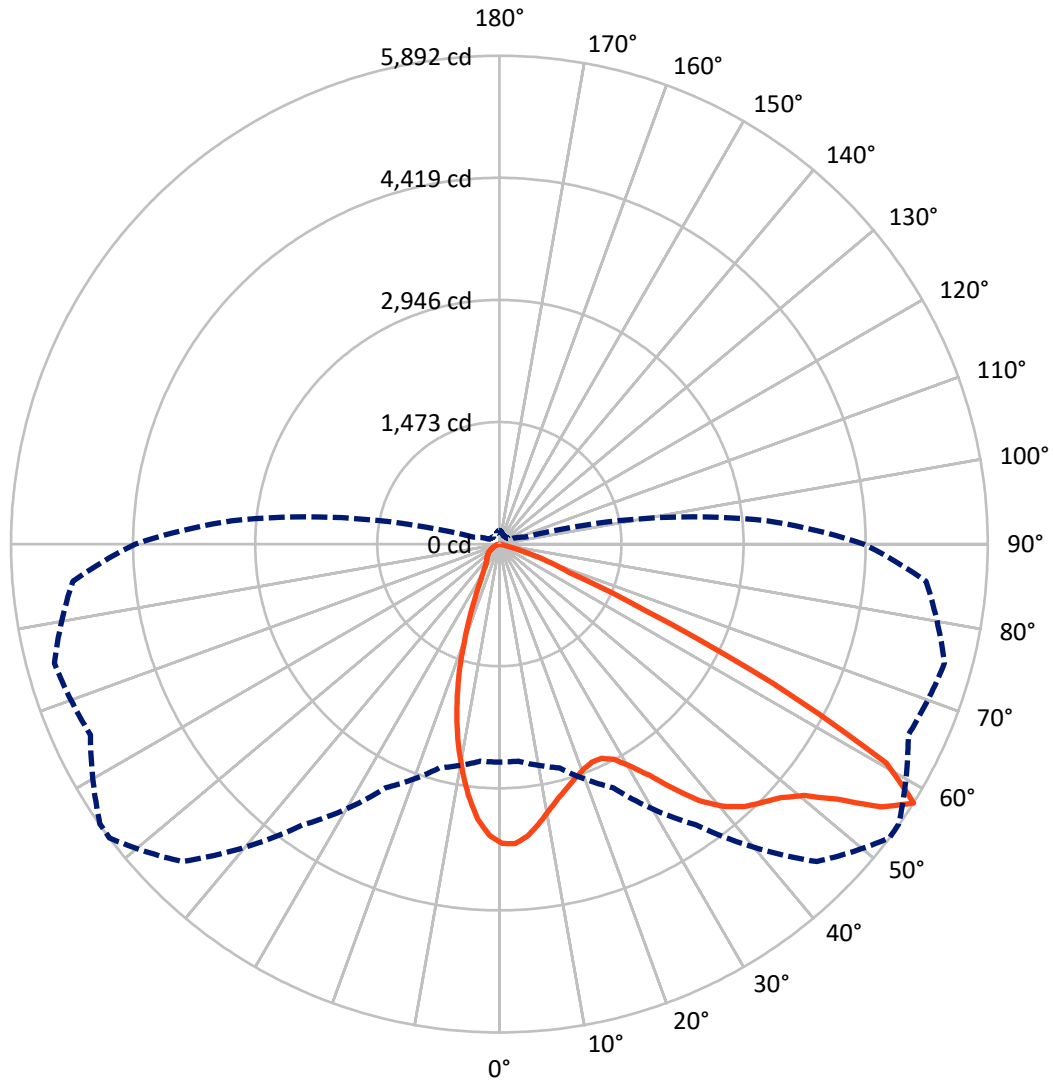
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 36.1 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	1359.7	0.0	1359.7
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	6871.8	0.0	6871.8
	% Fixture	83.5	0.0	83.5
Total	Lumens	8231.6	0.0	8231.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.9	3.8
10°-20°	678.2	8.2
20°-30°	883.6	10.7
30°-40°	1281.6	15.6
40°-50°	1849.3	22.5
50°-60°	2236.5	27.2
60°-70°	911.5	11.1
70°-80°	81.9	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°	8231.6	100.0
0°-180°	8231.6	100.0

Coefficient of Utilization



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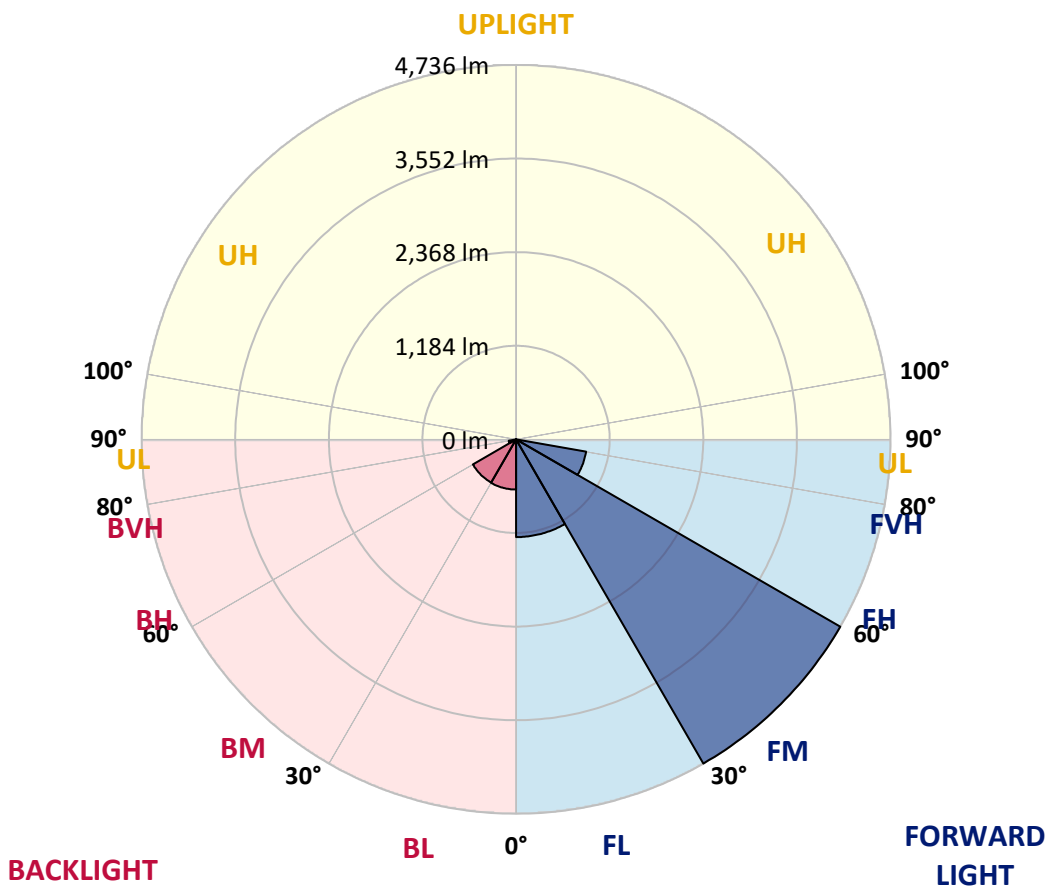
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1236.1	15.0			
FM (30°-60°)	4736.3	57.5			
FH (60°-80°)	899.4	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	634.6	7.7	B2/1000		
BM (30°-60°)	631.1	7.7	B1/1000		
BH (60°-80°)	94.0	1.1	B0/110		G0/110
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°	3610.8	3610.8	3610.8	3610.8	3610.8	3610.8	3610.8	3610.8	3610.8	3610.8	3610.8
2.5°	3560.4	3568.5	3582.6	3600.8	3612.9	3618.9	3618.9	3636.1	3625.0	3615.9	3605.8
5°	3408.1	3416.1	3435.3	3464.6	3493.8	3515.0	3539.2	3557.4	3564.4	3564.4	3547.3
7.5°	3193.2	3204.3	3216.4	3256.7	3320.3	3367.7	3409.1	3435.3	3473.6	3485.7	3461.5
10°	2962.1	2973.2	3000.5	3056.0	3128.6	3199.2	3269.8	3303.1	3368.7	3403.0	3375.8
12.5°	2766.4	2771.4	2807.8	2874.4	2967.2	3064.0	3149.8	3184.1	3276.9	3328.4	3296.1
15°	2605.0	2608.0	2644.3	2718.0	2824.9	2944.0	3051.9	3087.2	3201.2	3278.9	3230.5
17.5°	2482.9	2483.9	2515.2	2594.9	2706.9	2839.0	2967.2	3010.6	3157.9	3251.7	3179.0
20°	2421.4	2418.3	2440.5	2510.1	2616.1	2748.2	2899.6	2953.0	3133.6	3247.6	3139.7
22.5°	2422.4	2415.3	2424.4	2473.8	2563.6	2687.7	2857.2	2917.7	3135.7	3264.8	3106.4
25°	2479.9	2469.8	2471.8	2498.0	2561.6	2674.6	2863.3	2927.8	3176.0	3322.3	3094.3
27.5°	2576.7	2565.6	2565.6	2578.7	2613.0	2716.0	2938.9	3012.6	3284.0	3434.3	3119.5
30°	2701.8	2690.7	2686.7	2699.8	2728.1	2822.9	3107.4	3184.1	3468.6	3617.9	3200.2
32.5°	2845.1	2832.0	2839.0	2857.2	2884.4	3015.6	3324.3	3426.2	3699.6	3865.1	3345.5
35°	2996.4	2985.3	3017.6	3057.0	3099.3	3283.0	3624.0	3712.7	3983.1	4172.8	3567.5
37.5°	3140.7	3135.7	3203.3	3286.0	3373.8	3603.8	3928.7	3997.3	4226.3	4507.8	3838.9
40°	3285.0	3284.0	3400.0	3545.3	3685.5	3923.6	4159.7	4216.2	4374.6	4768.1	4099.2
42.5°	3446.4	3446.4	3606.8	3800.5	3987.2	4194.0	4329.2	4354.4	4441.2	4918.4	4294.9
45°	3600.8	3609.8	3795.5	4020.5	4241.4	4404.9	4446.2	4448.2	4468.4	5007.2	4457.3
47.5°	3722.8	3730.9	3952.9	4212.2	4450.3	4565.3	4571.3	4562.2	4540.0	5091.9	4582.4
50°	3821.7	3833.8	4065.9	4340.3	4593.5	4719.6	4766.0	4757.0	4700.5	5182.7	4670.2
52.5°	3870.1	3887.3	4105.2	4403.8	4752.9	4984.0	5113.1	5134.3	4940.6	5233.2	4753.9
55°	3482.7	3507.9	3708.7	4117.3	4841.7	5392.6	5595.4	5591.3	5200.9	5383.5	4957.7
57.5°	2630.2	2628.2	2794.6	3241.6	4135.5	5415.8	5892.0	5883.9	5444.0	5558.0	5166.6
60°	1790.8	1778.7	1823.1	2039.0	2891.5	4411.9	5362.3	5471.3	5271.5	5134.3	4386.7
62.5°	1474.0	1462.9	1448.8	1389.3	1660.6	2748.2	3704.7	3870.1	3843.9	3568.5	2751.3
65°	1206.6	1215.7	1255.1	1229.8	1155.2	1409.4	1923.0	2020.8	1847.3	1554.7	961.5
67.5°	889.8	893.9	945.3	1078.5	1038.2	938.3	905.0	921.1	539.8	248.2	160.4
70°	525.6	528.7	576.1	754.7	842.4	720.4	611.4	602.3	213.9	66.6	72.6
72.5°	297.6	291.6	300.7	359.2	459.0	382.4	314.8	286.5	64.6	37.3	37.3
75°	141.2	137.2	118.0	111.0	100.9	64.6	40.4	34.3	16.1	15.1	15.1
77.5°	1.0	3.0	2.0	3.0	3.0	2.0	1.0	1.0	3.0	3.0	4.0
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°	3610.8	3610.8	3610.8	3610.8	3610.8	3610.8	3610.8	3610.8	3610.8	3610.8	3610.8
2.5°	3587.6	3557.4	3550.3	3548.3	3520.0	3489.8	3458.5	3446.4	3428.2	3417.1	3426.2
5°	3520.0	3476.7	3438.3	3403.0	3340.5	3271.9	3212.3	3174.0	3137.7	3113.5	3119.5
7.5°	3424.2	3367.7	3279.9	3190.1	3075.1	2972.2	2857.2	2786.6	2721.0	2684.7	2701.8
10°	3322.3	3247.6	3107.4	2955.1	2774.5	2613.0	2448.6	2314.4	2236.7	2163.1	2171.2
12.5°	3222.4	3123.6	2913.7	2682.7	2454.7	2216.6	1968.4	1782.7	1655.6	1563.8	1549.7
15°	3129.6	3002.5	2725.0	2420.3	2109.6	1792.8	1476.0	1210.7	1063.4	972.6	966.5
17.5°	3046.9	2889.5	2529.3	2145.9	1756.5	1350.9	986.7	788.0	703.2	663.9	659.8
20°	2967.2	2775.5	2329.5	1867.5	1371.1	948.4	681.0	589.2	562.0	545.8	547.8
22.5°	2890.5	2651.4	2119.7	1558.7	1028.1	665.9	527.7	492.3	489.3	491.3	492.3
25°	2825.9	2537.4	1903.8	1261.1	733.5	507.5	440.9	430.8	439.9	453.0	455.0
27.5°	2792.6	2444.6	1692.9	961.5	530.7	412.6	382.4	386.4	402.6	416.7	418.7
30°	2801.7	2374.9	1475.0	697.1	408.6	348.1	338.0	346.1	362.2	375.3	377.3
32.5°	2866.3	2339.6	1252.0	507.5	336.0	303.7	299.6	305.7	319.8	329.9	330.9
35°	2994.4	2347.7	1040.2	388.4	288.5	270.4	269.4	273.4	280.5	287.5	288.5
37.5°	3183.1	2413.3	831.3	322.8	261.3	248.2	244.2	244.2	249.2	252.2	254.2
40°	3385.9	2512.2	665.9	285.5	242.1	228.0	219.9	216.9	220.9	225.0	226.0
42.5°	3553.3	2611.0	540.8	259.3	227.0	207.8	197.7	195.7	200.8	207.8	209.9
45°	3681.5	2687.7	451.0	238.1	209.9	188.7	177.6	177.6	186.6	198.8	200.8
47.5°	3798.5	2749.2	384.4	218.9	193.7	171.5	160.4	162.4	177.6	193.7	196.7
50°	3878.2	2798.7	335.0	201.8	180.6	157.4	147.3	151.3	169.5	188.7	191.7
52.5°	3964.0	2859.2	302.7	186.6	168.5	146.3	137.2	140.2	160.4	181.6	185.6
55°	4201.1	3062.0	301.7	166.5	147.3	131.2	127.1	128.1	148.3	172.5	177.6
57.5°	4394.8	3240.6	321.8	140.2	123.1	115.0	113.0	114.0	132.2	159.4	165.5
60°	3636.1	2518.2	266.3	116.0	102.9	100.9	97.9	99.9	117.0	141.2	146.3
62.5°	2152.0	1439.7	127.1	88.8	87.8	85.8	82.7	86.8	102.9	124.1	127.1
65°	735.5	426.8	80.7	72.6	74.7	71.6	68.6	72.6	86.8	98.9	99.9
67.5°	141.2	113.0	64.6	60.5	61.5	55.5	54.5	58.5	66.6	68.6	67.6
70°	73.6	65.6	49.4	49.4	47.4	39.3	39.3	43.4	43.4	40.4	39.3
72.5°	38.3	36.3	32.3	36.3	30.3	24.2	24.2	26.2	24.2	20.2	20.2
75°	15.1	15.1	14.1	18.2	13.1	11.1	10.1	12.1	9.1	7.1	7.1
77.5°	4.0	4.0	4.0	5.0	3.0	3.0	2.0	2.0	1.0	0.0	0.0
80°	0.0	1.0	0.0	1.0	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

(END OF REPORT)