

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: P634733

Luminaire Tested: GWS-SA3C-735-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634733
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-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: 8047.2 lumens
Efficiency: N/A
Efficacy: 86.5 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

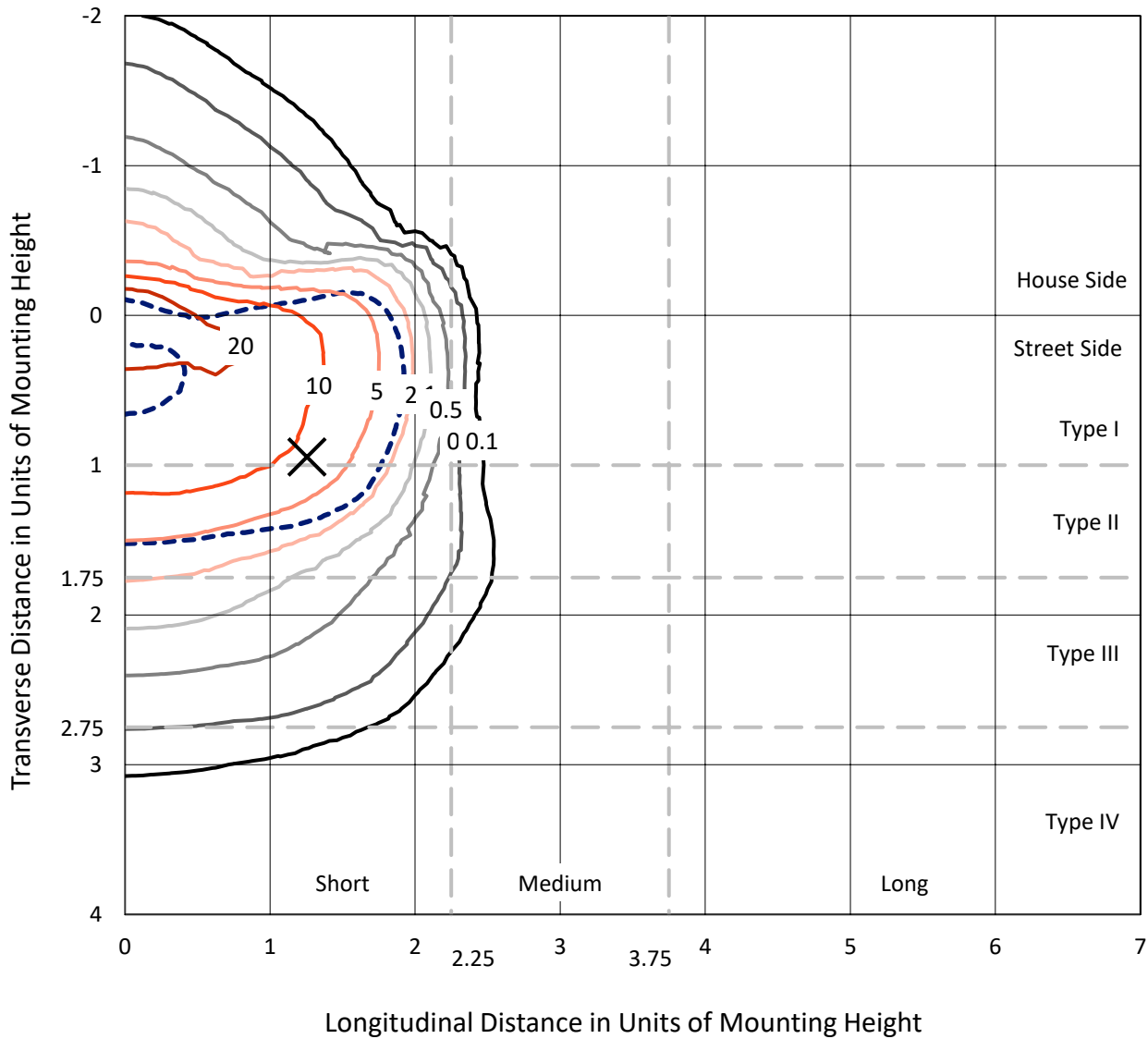
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

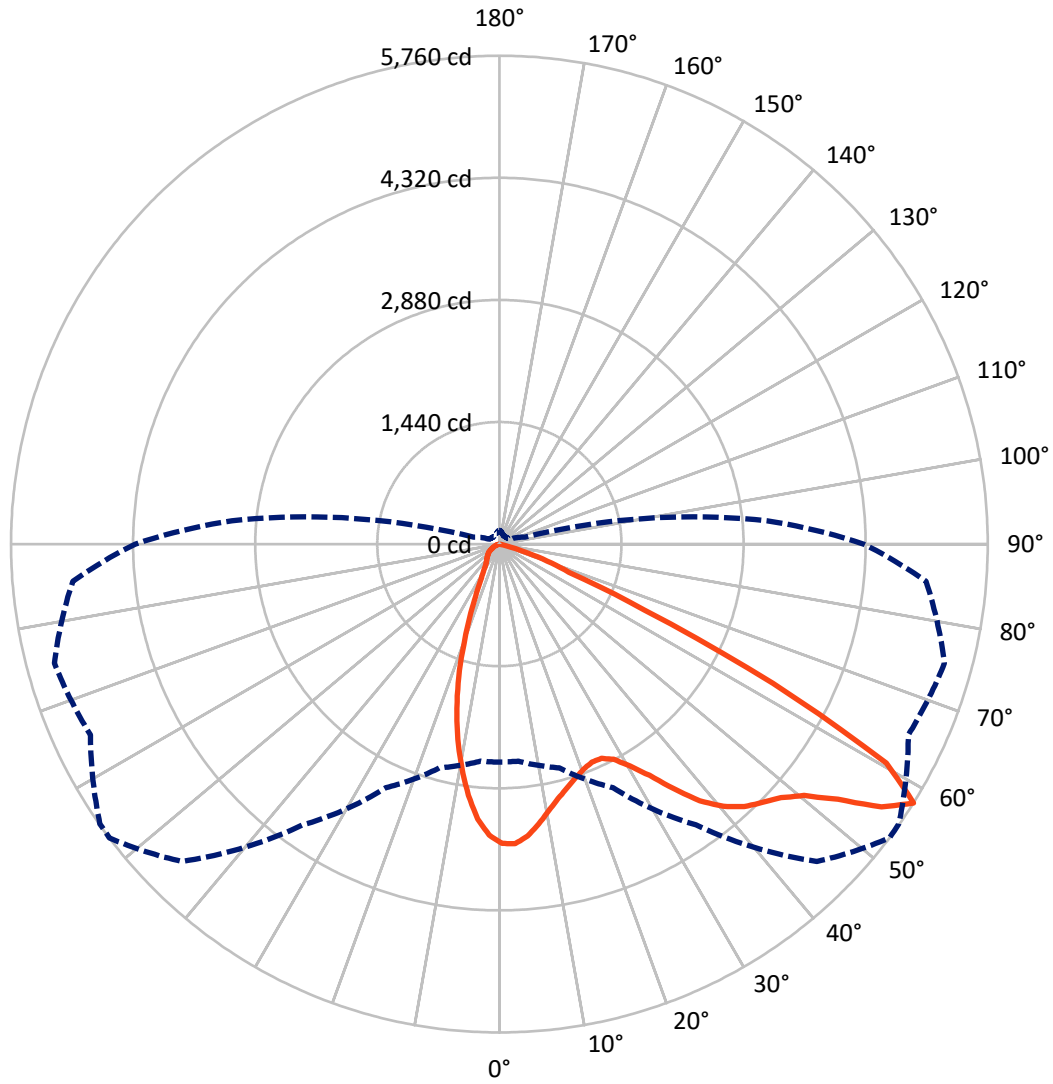
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 35.3 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	1329.3	0.0	1329.3
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	6717.9	0.0	6717.9
	% Fixture	83.5	0.0	83.5
Total	Lumens	8047.2	0.0	8047.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.0	3.8
10°-20°	663.0	8.2
20°-30°	863.8	10.7
30°-40°	1252.9	15.6
40°-50°	1807.9	22.5
50°-60°	2186.4	27.2
60°-70°	891.1	11.1
70°-80°	80.1	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°	8047.2	100.0
0°-180°	8047.2	100.0

Coefficient of Utilization



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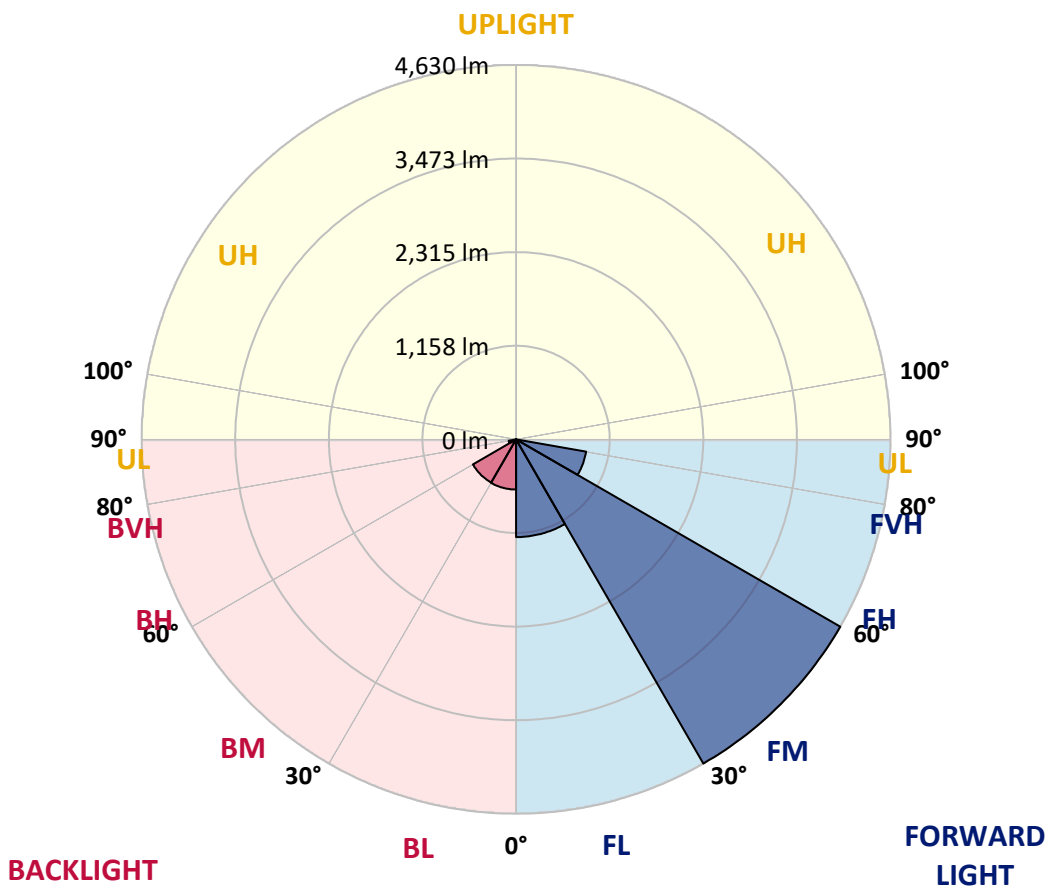
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1208.4	15.0			
FM (30°-60°)	4630.2	57.5			
FH (60°-80°)	879.3	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	620.4	7.7	B2/1000		
BM (30°-60°)	617.0	7.7	B1/1000		
BH (60°-80°)	91.9	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°	3530.0	3530.0	3530.0	3530.0	3530.0	3530.0	3530.0	3530.0	3530.0	3530.0	3530.0
2.5°	3480.6	3488.5	3502.3	3520.1	3531.9	3537.9	3537.9	3554.6	3543.8	3534.9	3525.0
5°	3331.7	3339.6	3358.3	3386.9	3415.6	3436.3	3459.9	3477.7	3484.6	3484.6	3467.8
7.5°	3121.6	3132.5	3144.3	3183.8	3245.9	3292.3	3332.7	3358.3	3395.8	3407.7	3384.0
10°	2895.8	2906.6	2933.3	2987.5	3058.5	3127.6	3196.6	3229.1	3293.2	3326.8	3300.2
12.5°	2704.4	2709.4	2744.9	2810.0	2900.7	2995.4	3079.2	3112.8	3203.5	3253.8	3222.2
15°	2546.6	2549.6	2585.1	2657.1	2761.6	2878.0	2983.6	3018.1	3129.5	3205.5	3158.1
17.5°	2427.3	2428.3	2458.8	2536.8	2646.2	2775.4	2900.7	2943.1	3087.1	3178.8	3107.8
20°	2367.1	2364.2	2385.9	2453.9	2557.5	2686.7	2834.6	2886.9	3063.4	3174.9	3069.4
22.5°	2368.1	2361.2	2370.1	2418.4	2506.2	2627.5	2793.2	2852.4	3065.4	3191.7	3036.8
25°	2424.3	2414.5	2416.4	2442.1	2504.2	2614.7	2799.1	2862.2	3104.9	3247.9	3025.0
27.5°	2519.0	2508.2	2508.2	2521.0	2554.5	2655.1	2873.1	2945.1	3210.4	3357.4	3049.6
30°	2641.3	2630.5	2626.5	2639.3	2666.9	2759.7	3037.8	3112.8	3390.9	3536.9	3128.5
32.5°	2781.4	2768.5	2775.4	2793.2	2819.8	2948.0	3249.9	3349.5	3616.8	3778.5	3270.6
35°	2929.3	2918.5	2950.0	2988.5	3029.9	3209.4	3542.8	3629.6	3893.9	4079.3	3487.5
37.5°	3070.3	3065.4	3131.5	3212.4	3298.2	3523.1	3840.6	3907.7	4131.6	4406.8	3752.9
40°	3211.4	3210.4	3323.8	3465.9	3602.9	3835.7	4066.5	4121.7	4276.6	4661.2	4007.3
42.5°	3369.2	3369.2	3526.0	3715.4	3897.8	4100.0	4232.2	4256.9	4341.7	4808.2	4198.7
45°	3520.1	3529.0	3710.5	3930.4	4146.4	4306.2	4346.6	4348.6	4368.3	4895.0	4357.5
47.5°	3639.4	3647.3	3864.3	4117.8	4350.6	4463.0	4468.9	4460.0	4438.3	4977.8	4479.8
50°	3736.1	3747.9	3974.8	4243.1	4490.6	4613.9	4659.3	4650.4	4595.2	5066.6	4565.6
52.5°	3783.4	3800.2	4013.2	4305.2	4646.5	4872.3	4998.6	5019.3	4829.9	5115.9	4647.4
55°	3404.7	3429.4	3625.6	4025.1	4733.2	5271.8	5470.0	5466.1	5084.4	5262.9	4846.7
57.5°	2571.3	2569.3	2732.0	3169.0	4042.8	5294.4	5760.0	5752.1	5322.1	5433.5	5050.8
60°	1750.7	1738.8	1782.2	1993.3	2826.7	4313.1	5242.2	5348.7	5153.4	5019.3	4288.4
62.5°	1441.0	1430.1	1416.3	1358.1	1623.4	2686.7	3621.7	3783.4	3757.8	3488.5	2689.6
65°	1179.6	1188.5	1227.0	1202.3	1129.3	1377.9	1879.9	1975.6	1805.9	1519.9	939.9
67.5°	869.9	873.9	924.2	1054.4	1014.9	917.3	884.7	900.5	527.7	242.6	156.8
70°	513.9	516.8	563.2	737.8	823.6	704.2	597.7	588.8	209.1	65.1	71.0
72.5°	291.0	285.0	293.9	351.1	448.8	373.8	307.7	280.1	63.1	36.5	36.5
75°	138.1	134.1	115.4	108.5	98.6	63.1	39.5	33.5	15.8	14.8	14.8
77.5°	1.0	3.0	2.0	3.0	3.0	2.0	1.0	1.0	3.0	3.0	3.9
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°	3530.0	3530.0	3530.0	3530.0	3530.0	3530.0	3530.0	3530.0	3530.0	3530.0	3530.0
2.5°	3507.3	3477.7	3470.8	3468.8	3441.2	3411.6	3381.0	3369.2	3351.4	3340.6	3349.5
5°	3441.2	3398.8	3361.3	3326.8	3265.6	3198.6	3140.4	3102.9	3067.4	3043.7	3049.6
7.5°	3347.5	3292.3	3206.5	3118.7	3006.2	2905.6	2793.2	2724.2	2660.0	2624.5	2641.3
10°	3247.9	3174.9	3037.8	2888.9	2712.3	2554.5	2393.7	2262.6	2186.6	2114.6	2122.5
12.5°	3150.2	3053.6	2848.4	2622.6	2399.7	2166.9	1924.3	1742.8	1618.5	1528.8	1515.0
15°	3059.5	2935.2	2664.0	2366.1	2062.3	1752.7	1443.0	1183.6	1039.6	950.8	944.9
17.5°	2978.6	2824.8	2472.6	2097.9	1717.1	1320.7	964.6	770.3	687.4	649.0	645.0
20°	2900.7	2713.3	2277.4	1825.6	1340.4	927.1	665.8	576.0	549.4	533.6	535.6
22.5°	2825.7	2592.0	2072.2	1523.8	1005.0	651.0	515.8	481.3	478.4	480.3	481.3
25°	2762.6	2480.5	1861.1	1232.9	717.0	496.1	431.0	421.1	430.0	442.8	444.8
27.5°	2730.1	2389.8	1655.0	939.9	518.8	403.4	373.8	377.8	393.5	407.3	409.3
30°	2738.9	2321.7	1442.0	681.5	399.5	340.3	330.4	338.3	354.1	366.9	368.9
32.5°	2802.1	2287.2	1224.0	496.1	328.4	296.9	292.9	298.8	312.7	322.5	323.5
35°	2927.3	2295.1	1016.9	379.7	282.1	264.3	263.3	267.3	274.2	281.1	282.1
37.5°	3111.8	2359.2	812.7	315.6	255.5	242.6	238.7	238.7	243.6	246.6	248.5
40°	3310.0	2455.9	651.0	279.1	236.7	222.9	215.0	212.1	216.0	219.9	220.9
42.5°	3473.7	2552.5	528.7	253.5	221.9	203.2	193.3	191.3	196.3	203.2	205.1
45°	3599.0	2627.5	440.9	232.8	205.1	184.4	173.6	173.6	182.5	194.3	196.3
47.5°	3713.4	2687.7	375.8	214.0	189.4	167.7	156.8	158.8	173.6	189.4	192.3
50°	3791.3	2736.0	327.5	197.3	176.5	153.9	144.0	147.9	165.7	184.4	187.4
52.5°	3875.2	2795.2	295.9	182.5	164.7	143.0	134.1	137.1	156.8	177.5	181.5
55°	4106.9	2993.4	294.9	162.7	144.0	128.2	124.3	125.3	145.0	168.7	173.6
57.5°	4296.3	3168.0	314.6	137.1	120.3	112.4	110.5	111.5	129.2	155.8	161.8
60°	3554.6	2461.8	260.4	113.4	100.6	98.6	95.7	97.6	114.4	138.1	143.0
62.5°	2103.8	1407.4	124.3	86.8	85.8	83.8	80.9	84.8	100.6	121.3	124.3
65°	719.0	417.2	78.9	71.0	73.0	70.0	67.1	71.0	84.8	96.7	97.6
67.5°	138.1	110.5	63.1	59.2	60.2	54.2	53.3	57.2	65.1	67.1	66.1
70°	72.0	64.1	48.3	48.3	46.4	38.5	38.5	42.4	42.4	39.5	38.5
72.5°	37.5	35.5	31.6	35.5	29.6	23.7	23.7	25.6	23.7	19.7	19.7
75°	14.8	14.8	13.8	17.8	12.8	10.8	9.9	11.8	8.9	6.9	6.9
77.5°	3.9	3.9	3.9	4.9	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)