

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: P633303

Luminaire Tested: GWS-SA2E-740-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633303
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-SA2E-740-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8534.2 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

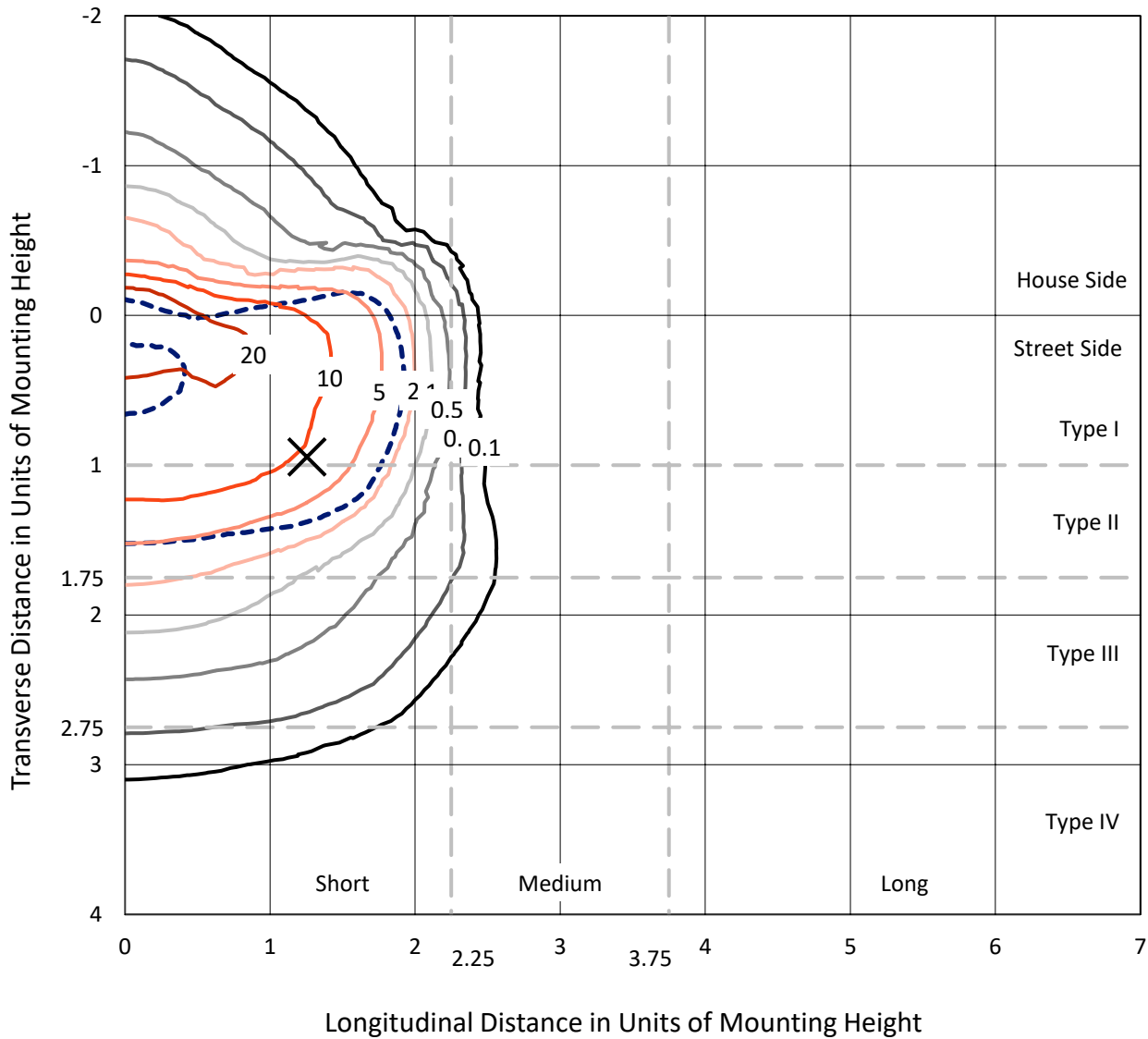
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633303
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Iso-Footcandle Lines of Horizontal Illumination

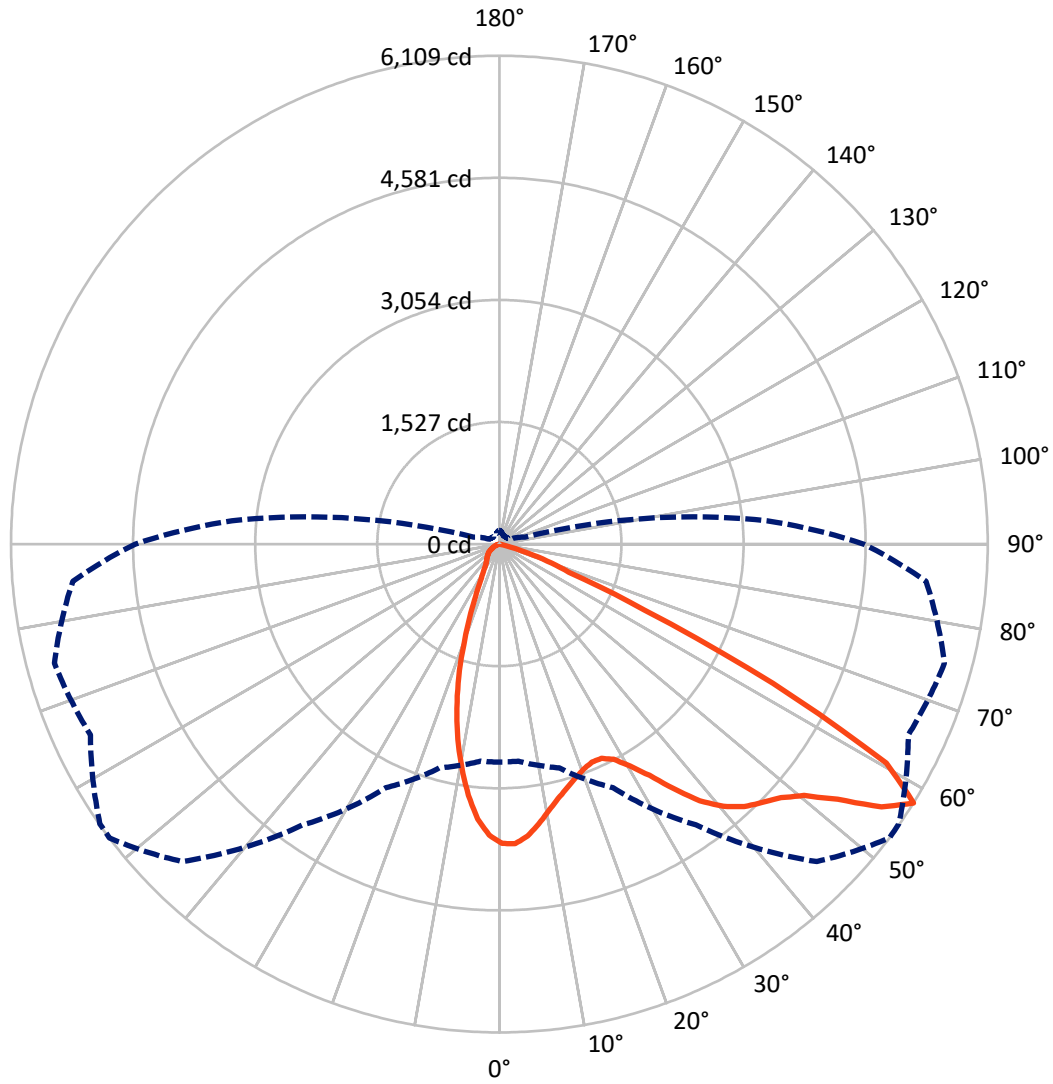
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 37.4 fc
 Type II - Short - N/A

REPORT NUMBER: P633303
CATALOG NUMBER: GWS-SA2E-740-U-SL3-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P633303

CATALOG NUMBER: GWS-SA2E-740-U-SL3-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1409.7	0.0	1409.7
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	7124.5	0.0	7124.5
	% Fixture	83.5	0.0	83.5
Total	Lumens	8534.2	0.0	8534.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.3	3.8
10°-20°	703.2	8.2
20°-30°	916.0	10.7
30°-40°	1328.7	15.6
40°-50°	1917.3	22.5
50°-60°	2318.8	27.2
60°-70°	945.0	11.1
70°-80°	84.9	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°	8534.2	100.0
0°-180°	8534.2	100.0

Coefficient of Utilization



REPORT NUMBER: P633303

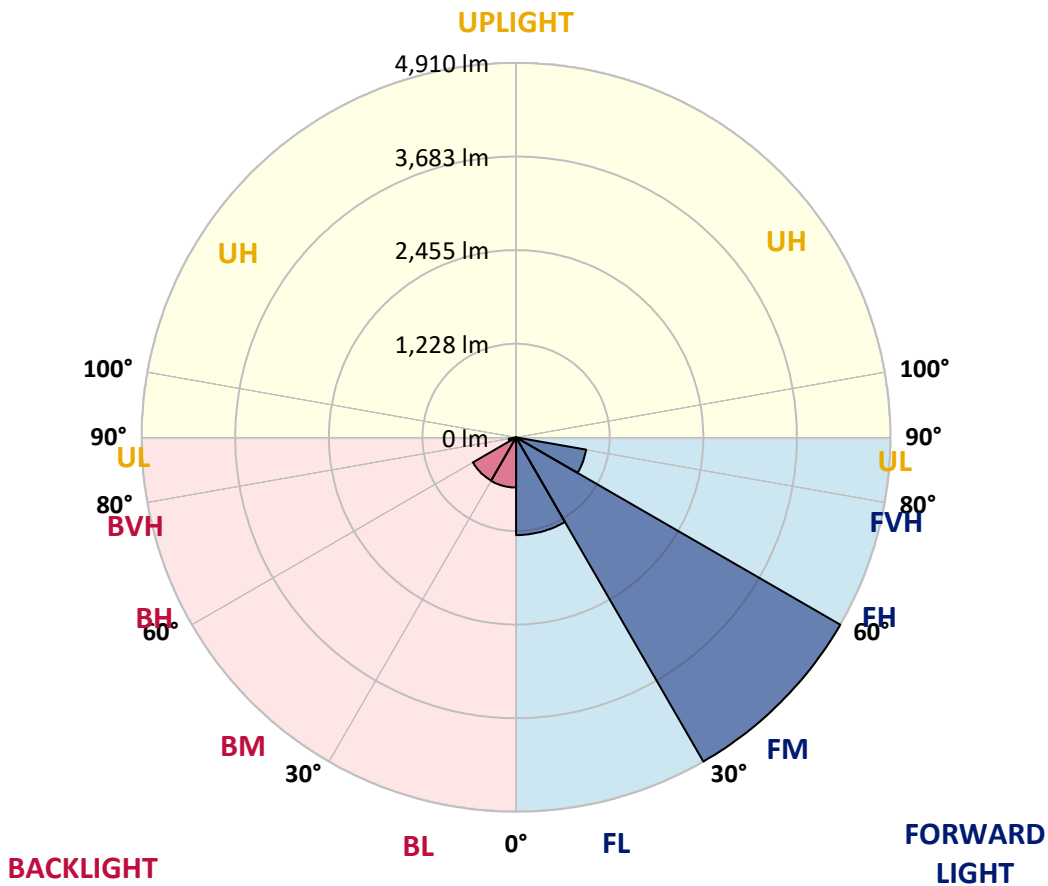
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1281.6	15.0			
FM (30°-60°)	4910.4	57.5			
FH (60°-80°)	932.5	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	657.9	7.7	B2/1000		
BM (30°-60°)	654.3	7.7	B1/1000		
BH (60°-80°)	97.5	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





REPORT NUMBER: P633303

CATALOG NUMBER: GWS-SA2E-740-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	3743.6	3743.6	3743.6	3743.6	3743.6	3743.6	3743.6	3743.6	3743.6	3743.6	3743.6
2.5°	3691.3	3699.7	3714.3	3733.1	3745.7	3752.0	3752.0	3769.7	3758.2	3748.8	3738.4
5°	3533.3	3541.7	3561.6	3591.9	3622.3	3644.2	3669.3	3688.1	3695.5	3695.5	3677.7
7.5°	3310.5	3322.1	3334.6	3376.4	3442.3	3491.5	3534.4	3561.6	3601.3	3613.9	3588.8
10°	3071.0	3082.5	3110.8	3168.3	3243.6	3316.8	3390.0	3424.6	3492.5	3528.1	3499.9
12.5°	2868.1	2873.3	2911.0	2980.0	3076.2	3176.7	3265.6	3301.1	3397.4	3450.7	3417.2
15°	2700.7	2703.9	2741.5	2817.9	2928.8	3052.2	3164.1	3200.7	3318.9	3399.5	3349.2
17.5°	2574.2	2575.2	2607.6	2690.3	2806.4	2943.4	3076.2	3121.2	3273.9	3371.2	3295.9
20°	2510.4	2507.2	2530.2	2602.4	2712.2	2849.3	3006.2	3061.6	3248.8	3367.0	3255.1
22.5°	2511.4	2504.1	2513.5	2564.8	2657.9	2786.5	2962.2	3025.0	3250.9	3384.8	3220.6
25°	2571.0	2560.6	2562.7	2589.9	2655.8	2772.9	2968.5	3035.5	3292.8	3444.4	3208.0
27.5°	2671.5	2659.9	2659.9	2673.5	2709.1	2815.8	3047.0	3123.3	3404.7	3560.5	3234.2
30°	2801.2	2789.6	2785.5	2799.1	2828.3	2926.7	3221.6	3301.1	3596.1	3750.9	3317.9
32.5°	2949.7	2936.1	2943.4	2962.2	2990.5	3126.5	3446.5	3552.2	3835.6	4007.2	3468.5
35°	3106.6	3095.1	3128.5	3169.3	3213.3	3403.6	3757.2	3849.2	4129.6	4326.2	3698.6
37.5°	3256.2	3250.9	3321.0	3406.8	3497.8	3736.3	4073.1	4144.2	4381.6	4673.5	3980.0
40°	3405.7	3404.7	3525.0	3675.6	3821.0	4067.8	4312.6	4371.2	4535.4	4943.3	4249.8
42.5°	3573.1	3573.1	3739.4	3940.2	4133.7	4348.2	4488.3	4514.5	4604.4	5099.2	4452.8
45°	3733.1	3742.5	3935.0	4168.3	4397.3	4566.8	4609.7	4611.8	4632.7	5191.2	4621.2
47.5°	3859.7	3868.1	4098.2	4367.0	4613.8	4733.1	4739.4	4730.0	4706.9	5279.1	4750.9
50°	3962.2	3974.7	4215.3	4499.8	4762.4	4893.1	4941.2	4931.8	4873.3	5373.2	4841.9
52.5°	4012.4	4030.2	4256.1	4565.7	4927.6	5167.2	5301.1	5323.0	5122.2	5425.5	4928.7
55°	3610.7	3636.9	3845.0	4268.7	5019.7	5590.8	5801.0	5796.9	5392.1	5581.4	5140.0
57.5°	2726.9	2724.8	2897.4	3360.8	4287.5	5614.9	6108.6	6100.2	5644.1	5762.3	5356.5
60°	1856.6	1844.1	1890.1	2113.9	2997.8	4574.1	5559.4	5672.4	5465.3	5323.0	4548.0
62.5°	1528.2	1516.7	1502.0	1440.3	1721.7	2849.3	3840.9	4012.4	3985.2	3699.7	2852.4
65°	1251.0	1260.4	1301.2	1275.1	1197.7	1461.2	1993.7	2095.1	1915.2	1611.9	996.8
67.5°	922.6	926.7	980.1	1118.2	1076.3	972.8	938.3	955.0	559.6	257.3	166.3
70°	545.0	548.1	597.3	782.4	873.4	746.8	633.9	624.5	221.7	69.0	75.3
72.5°	308.6	302.3	311.7	372.4	475.9	396.4	326.3	297.1	66.9	38.7	38.7
75°	146.4	142.3	122.4	115.1	104.6	66.9	41.8	35.6	16.7	15.7	15.7
77.5°	1.0	3.1	2.1	3.1	3.1	2.1	1.0	1.0	3.1	3.1	4.2
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



REPORT NUMBER: P633303

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3743.6	3743.6	3743.6	3743.6	3743.6	3743.6	3743.6	3743.6	3743.6	3743.6	3743.6
2.5°	3719.5	3688.1	3680.8	3678.7	3649.4	3618.1	3585.6	3573.1	3554.3	3542.8	3552.2
5°	3649.4	3604.5	3564.7	3528.1	3463.3	3392.1	3330.4	3290.7	3253.0	3227.9	3234.2
7.5°	3550.1	3491.5	3400.5	3307.4	3188.2	3081.5	2962.2	2889.0	2821.0	2783.4	2801.2
10°	3444.4	3367.0	3221.6	3063.7	2876.5	2709.1	2538.6	2399.5	2319.0	2242.6	2251.0
12.5°	3340.9	3238.4	3020.8	2781.3	2544.9	2298.0	2040.7	1848.3	1716.5	1621.3	1606.6
15°	3244.7	3112.9	2825.2	2509.3	2187.2	1858.7	1530.3	1255.2	1102.5	1008.3	1002.1
17.5°	3158.9	2995.7	2622.3	2224.8	1821.1	1400.6	1023.0	816.9	729.1	688.3	684.1
20°	3076.2	2877.5	2415.2	1936.1	1421.5	983.2	706.0	610.9	582.6	565.9	568.0
22.5°	2996.8	2748.9	2197.6	1616.0	1065.9	690.4	547.1	510.4	507.3	509.4	510.4
25°	2929.8	2630.7	1973.8	1307.5	760.4	526.1	457.1	446.6	456.1	469.6	471.7
27.5°	2895.3	2534.4	1755.2	996.8	550.2	427.8	396.4	400.6	417.3	432.0	434.1
30°	2904.7	2462.3	1529.2	722.8	423.6	360.9	350.4	358.8	375.5	389.1	391.2
32.5°	2971.6	2425.6	1298.1	526.1	348.3	314.8	310.7	316.9	331.6	342.0	343.1
35°	3104.5	2434.0	1078.4	402.7	299.2	280.3	279.3	283.5	290.8	298.1	299.2
37.5°	3300.1	2502.0	861.9	334.7	270.9	257.3	253.1	253.1	258.4	261.5	263.6
40°	3510.3	2604.5	690.4	296.0	251.0	236.4	228.0	224.9	229.1	233.3	234.3
42.5°	3684.0	2707.0	560.6	268.8	235.3	215.5	205.0	202.9	208.2	215.5	217.6
45°	3816.8	2786.5	467.6	246.9	217.6	195.6	184.1	184.1	193.5	206.1	208.2
47.5°	3938.1	2850.3	398.5	227.0	200.8	177.8	166.3	168.4	184.1	200.8	204.0
50°	4020.8	2901.6	347.3	209.2	187.2	163.2	152.7	156.9	175.7	195.6	198.7
52.5°	4109.7	2964.3	313.8	193.5	174.7	151.7	142.3	145.4	166.3	188.3	192.5
55°	4355.5	3174.6	312.8	172.6	152.7	136.0	131.8	132.8	153.8	178.9	184.1
57.5°	4556.3	3359.7	333.7	145.4	127.6	119.2	117.2	118.2	137.0	165.3	171.5
60°	3769.7	2610.8	276.1	120.3	106.7	104.6	101.5	103.6	121.3	146.4	151.7
62.5°	2231.1	1492.6	131.8	92.0	91.0	88.9	85.8	90.0	106.7	128.7	131.8
65°	762.5	442.5	83.7	75.3	77.4	74.3	71.1	75.3	90.0	102.5	103.6
67.5°	146.4	117.2	66.9	62.8	63.8	57.5	56.5	60.7	69.0	71.1	70.1
70°	76.4	68.0	51.3	51.3	49.2	40.8	40.8	45.0	45.0	41.8	40.8
72.5°	39.7	37.7	33.5	37.7	31.4	25.1	25.1	27.2	25.1	20.9	20.9
75°	15.7	15.7	14.6	18.8	13.6	11.5	10.5	12.6	9.4	7.3	7.3
77.5°	4.2	4.2	4.2	5.2	3.1	3.1	2.1	2.1	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)