

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: P632918

Luminaire Tested: GWS-SA2D-760-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632918
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-SA2D-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6890.1 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

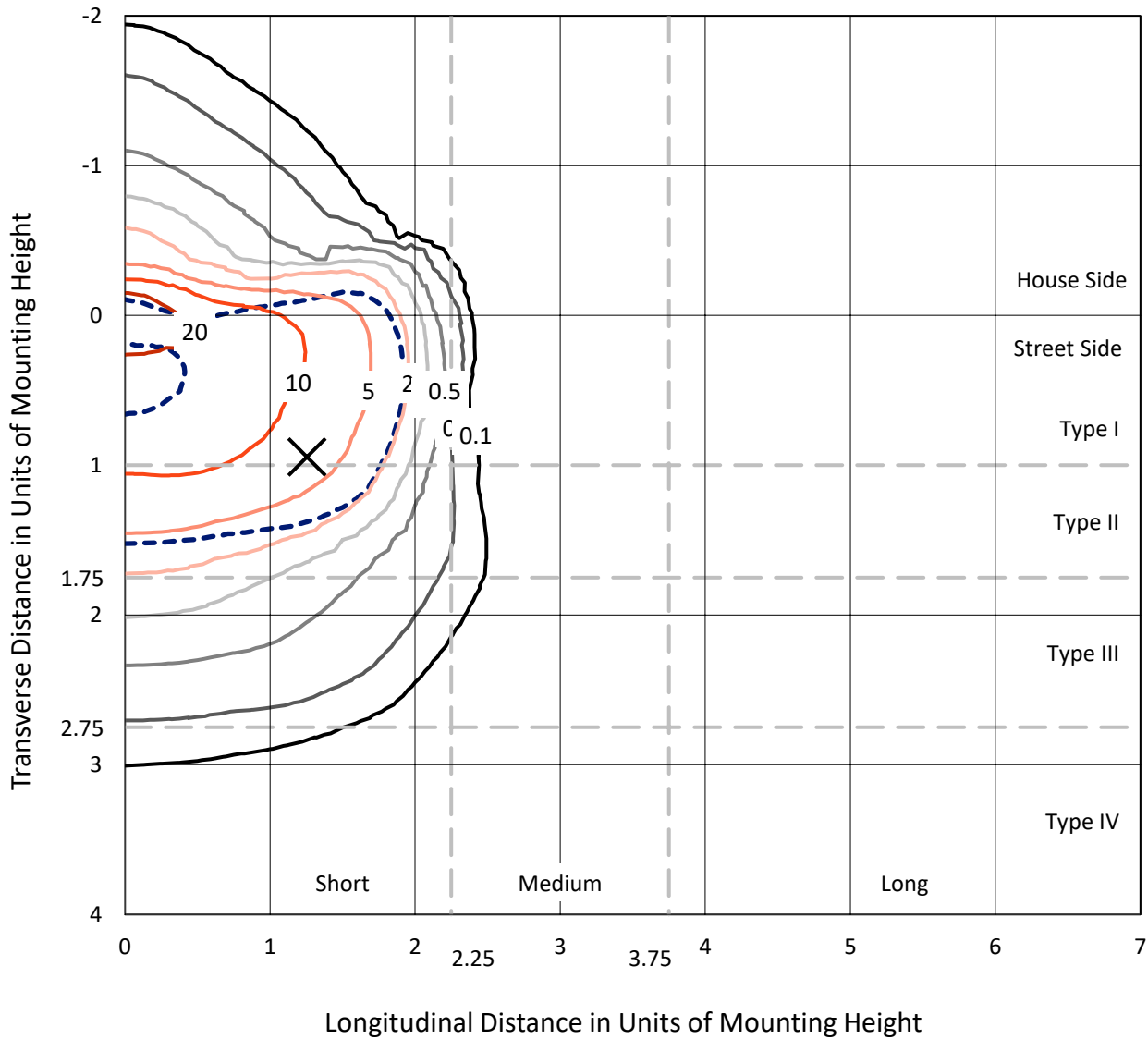
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632918
 CATALOG NUMBER: GWS-SA2D-760-U-SL3-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

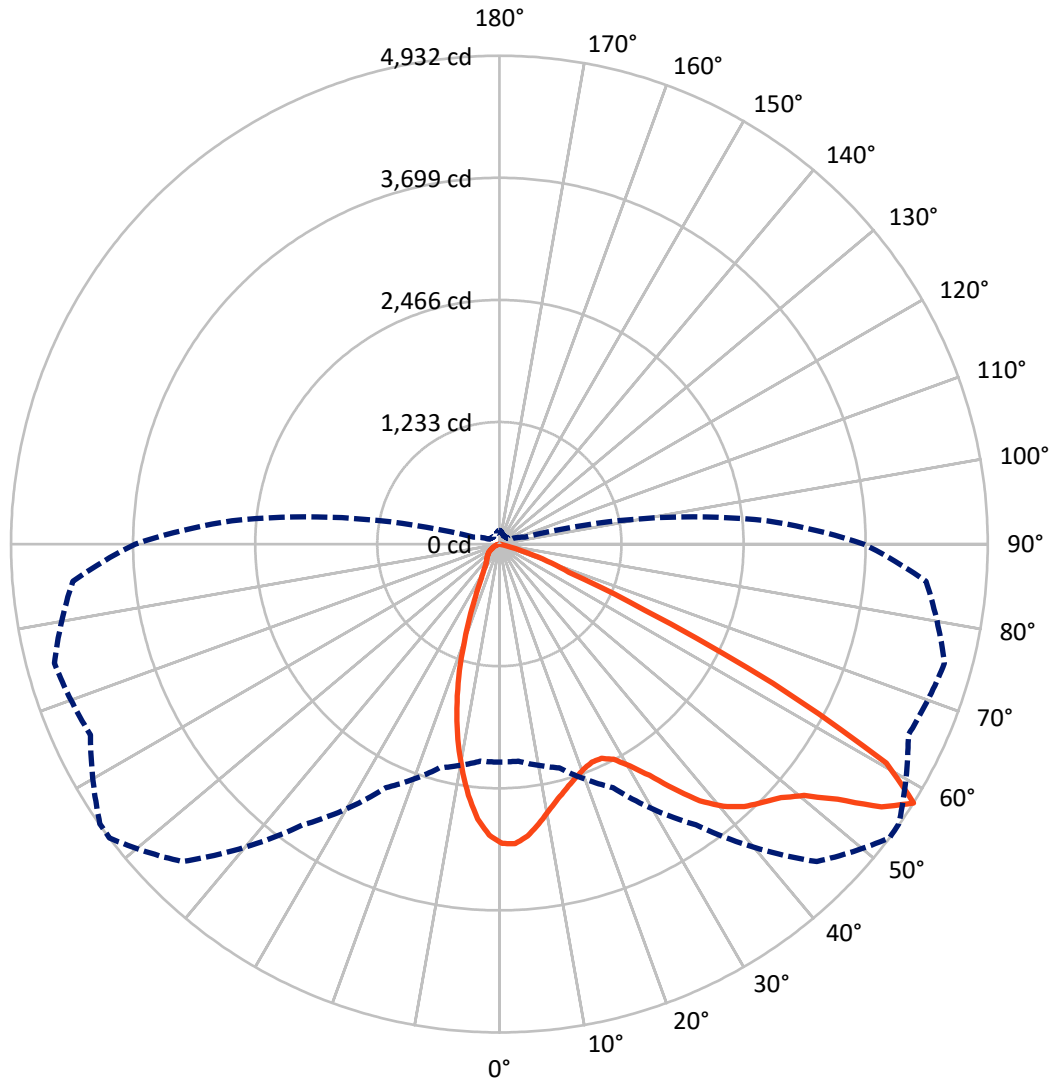
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 30.2 fc
 Type II - Short - N/A

REPORT NUMBER: P632918
CATALOG NUMBER: GWS-SA2D-760-U-SL3-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P632918
 CATALOG NUMBER: GWS-SA2D-760-U-SL3-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1138.2	0.0	1138.2
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	5751.9	0.0	5751.9
	% Fixture	83.5	0.0	83.5
Total	Lumens	6890.1	0.0	6890.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.6	3.8
10°-20°	567.7	8.2
20°-30°	739.6	10.7
30°-40°	1072.8	15.6
40°-50°	1547.9	22.5
50°-60°	1872.0	27.2
60°-70°	763.0	11.1
70°-80°	68.6	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°	6890.1	100.0
0°-180°	6890.1	100.0

Coefficient of Utilization



REPORT NUMBER: P632918

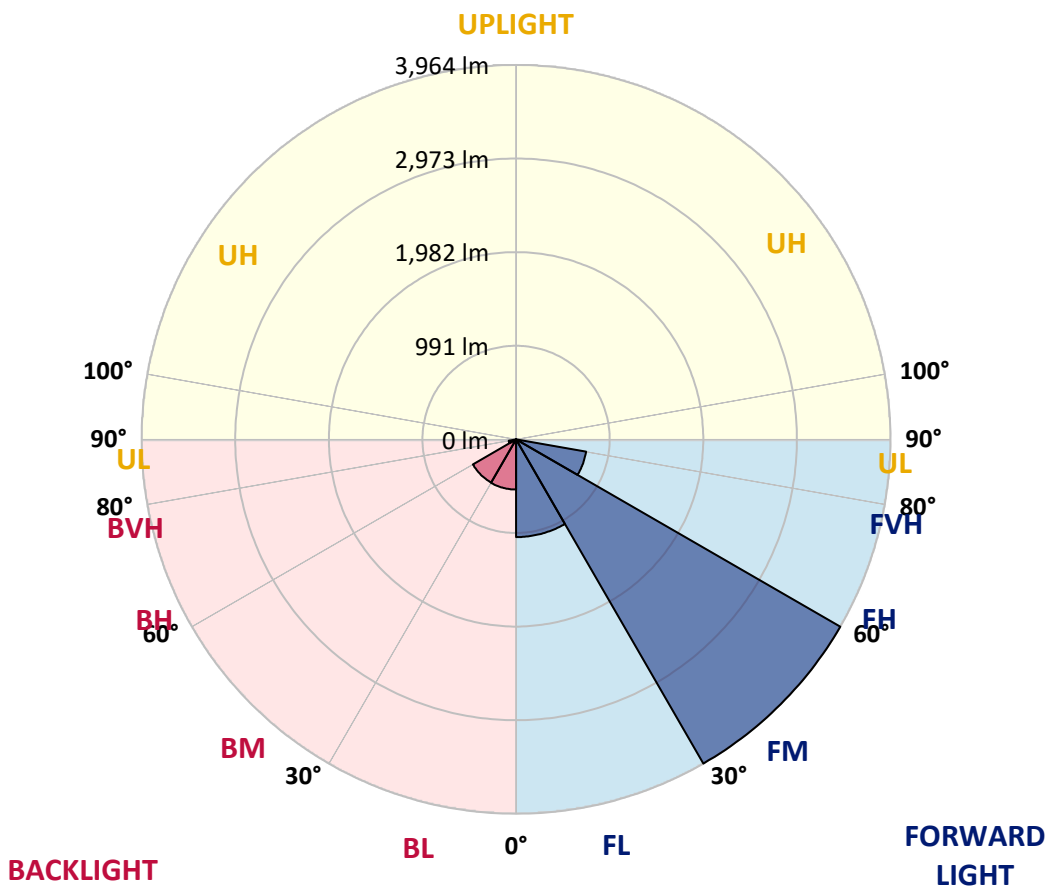
CATALOG NUMBER: GWS-SA2D-760-U-SL3-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1034.7	15.0			
FM (30°-60°)	3964.4	57.5			
FH (60°-80°)	752.8	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	531.2	7.7	B2/1000		
BM (30°-60°)	528.3	7.7	B1/1000		
BH (60°-80°)	78.7	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: P632918

CATALOG NUMBER: GWS-SA2D-760-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	3022.4	3022.4	3022.4	3022.4	3022.4	3022.4	3022.4	3022.4	3022.4	3022.4	3022.4
2.5°	2980.2	2986.9	2998.7	3013.9	3024.1	3029.1	3029.1	3043.5	3034.2	3026.6	3018.2
5°	2852.7	2859.4	2875.5	2899.9	2924.4	2942.2	2962.4	2977.6	2983.5	2983.5	2969.2
7.5°	2672.8	2682.1	2692.2	2726.0	2779.2	2818.9	2853.5	2875.5	2907.5	2917.7	2897.4
10°	2479.4	2488.7	2511.5	2557.9	2618.7	2677.8	2737.0	2764.8	2819.7	2848.4	2825.6
12.5°	2315.6	2319.8	2350.2	2405.9	2483.6	2564.7	2636.5	2665.2	2742.9	2785.9	2758.9
15°	2180.4	2183.0	2213.4	2275.0	2364.5	2464.2	2554.5	2584.1	2679.5	2744.6	2704.0
17.5°	2078.3	2079.1	2105.3	2172.0	2265.7	2376.4	2483.6	2519.9	2643.2	2721.8	2661.0
20°	2026.7	2024.2	2042.8	2101.1	2189.7	2300.4	2427.0	2471.8	2623.0	2718.4	2628.0
22.5°	2027.6	2021.7	2029.3	2070.7	2145.8	2249.7	2391.6	2442.2	2624.6	2732.7	2600.2
25°	2075.7	2067.3	2069.0	2090.9	2144.1	2238.7	2396.6	2450.7	2658.4	2780.9	2590.0
27.5°	2156.8	2147.5	2147.5	2158.5	2187.2	2273.3	2460.0	2521.6	2748.8	2874.6	2611.1
30°	2261.5	2252.2	2248.8	2259.8	2283.5	2362.9	2601.0	2665.2	2903.3	3028.3	2678.7
32.5°	2381.4	2370.5	2376.4	2391.6	2414.4	2524.1	2782.6	2867.9	3096.7	3235.2	2800.3
35°	2508.1	2498.8	2525.8	2558.8	2594.2	2747.9	3033.4	3107.7	3334.0	3492.8	2986.1
37.5°	2628.9	2624.6	2681.2	2750.5	2823.9	3016.5	3288.4	3345.8	3537.5	3773.1	3213.2
40°	2749.6	2748.8	2845.9	2967.5	3084.9	3284.2	3481.8	3529.1	3661.7	3991.0	3431.1
42.5°	2884.7	2884.7	3019.0	3181.2	3337.4	3510.5	3623.7	3644.8	3717.4	4116.8	3594.9
45°	3013.9	3021.5	3176.9	3365.2	3550.2	3687.0	3721.6	3723.3	3740.2	4191.1	3730.9
47.5°	3116.1	3122.9	3308.7	3525.7	3725.0	3821.3	3826.3	3818.7	3800.2	4262.1	3835.6
50°	3198.9	3209.0	3403.3	3632.9	3844.9	3950.5	3989.3	3981.7	3934.4	4338.1	3909.1
52.5°	3239.4	3253.8	3436.2	3686.2	3978.3	4171.7	4279.8	4297.6	4135.4	4380.3	3979.2
55°	2915.1	2936.3	3104.3	3446.3	4052.7	4513.7	4683.5	4680.1	4353.3	4506.1	4149.8
57.5°	2201.6	2199.9	2339.2	2713.3	3461.5	4533.2	4931.8	4925.0	4556.8	4652.2	4324.6
60°	1499.0	1488.8	1526.0	1706.7	2420.3	3692.9	4488.4	4579.6	4412.4	4297.6	3671.8
62.5°	1233.8	1224.5	1212.7	1162.8	1390.0	2300.4	3100.9	3239.4	3217.5	2986.9	2302.9
65°	1010.0	1017.6	1050.5	1029.4	966.9	1179.7	1609.6	1691.5	1546.2	1301.3	804.8
67.5°	744.8	748.2	791.3	902.7	869.0	785.4	757.5	771.0	451.8	207.7	134.3
70°	440.0	442.5	482.2	631.7	705.1	603.0	511.8	504.2	179.0	55.7	60.8
72.5°	249.1	244.1	251.7	300.6	384.2	320.1	263.5	239.8	54.0	31.2	31.2
75°	118.2	114.8	98.8	92.9	84.4	54.0	33.8	28.7	13.5	12.7	12.7
77.5°	0.8	2.5	1.7	2.5	2.5	1.7	0.8	0.8	2.5	2.5	3.4
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: P632918

CATALOG NUMBER: GWS-SA2D-760-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3022.4	3022.4	3022.4	3022.4	3022.4	3022.4	3022.4	3022.4	3022.4	3022.4	3022.4
2.5°	3003.0	2977.6	2971.7	2970.0	2946.4	2921.1	2894.9	2884.7	2869.5	2860.3	2867.9
5°	2946.4	2910.1	2878.0	2848.4	2796.1	2738.6	2688.8	2656.7	2626.3	2606.1	2611.1
7.5°	2866.2	2818.9	2745.4	2670.2	2574.0	2487.8	2391.6	2332.5	2277.6	2247.2	2261.5
10°	2780.9	2718.4	2601.0	2473.5	2322.3	2187.2	2049.6	1937.2	1872.2	1810.6	1817.3
12.5°	2697.3	2614.5	2438.9	2245.5	2054.6	1855.3	1647.6	1492.2	1385.8	1308.9	1297.1
15°	2619.6	2513.2	2280.9	2025.9	1765.8	1500.6	1235.5	1013.4	890.1	814.1	809.0
17.5°	2550.3	2418.6	2117.1	1796.2	1470.2	1130.8	825.9	659.5	588.6	555.7	552.3
20°	2483.6	2323.2	1949.9	1563.1	1147.6	793.8	570.0	493.2	470.4	456.9	458.6
22.5°	2419.4	2219.3	1774.3	1304.7	860.5	557.4	441.7	412.1	409.6	411.3	412.1
25°	2365.4	2123.9	1593.5	1055.6	613.9	424.8	369.0	360.6	368.2	379.2	380.9
27.5°	2337.5	2046.2	1417.0	804.8	444.2	345.4	320.1	323.4	336.9	348.8	350.5
30°	2345.1	1987.9	1234.6	583.5	342.0	291.3	282.9	289.7	303.2	314.1	315.8
32.5°	2399.2	1958.3	1048.0	424.8	281.2	254.2	250.8	255.9	267.7	276.1	277.0
35°	2506.4	1965.1	870.7	325.1	241.5	226.3	225.5	228.9	234.8	240.7	241.5
37.5°	2664.3	2020.0	695.9	270.2	218.7	207.7	204.4	204.4	208.6	211.1	212.8
40°	2834.1	2102.8	557.4	239.0	202.7	190.9	184.1	181.6	184.9	188.3	189.2
42.5°	2974.3	2185.5	452.6	217.0	190.0	174.0	165.5	163.8	168.1	174.0	175.7
45°	3081.5	2249.7	377.5	199.3	175.7	157.9	148.6	148.6	156.2	166.4	168.1
47.5°	3179.5	2301.2	321.7	183.3	162.1	143.6	134.3	136.0	148.6	162.1	164.7
50°	3246.2	2342.6	280.4	168.9	151.2	131.7	123.3	126.7	141.9	157.9	160.5
52.5°	3318.0	2393.3	253.3	156.2	141.0	122.4	114.8	117.4	134.3	152.0	155.4
55°	3516.4	2563.0	252.5	139.3	123.3	109.8	106.4	107.2	124.1	144.4	148.6
57.5°	3678.6	2712.5	269.4	117.4	103.0	96.3	94.6	95.4	110.6	133.4	138.5
60°	3043.5	2107.8	222.9	97.1	86.1	84.4	81.9	83.6	98.0	118.2	122.4
62.5°	1801.3	1205.1	106.4	74.3	73.5	71.8	69.2	72.6	86.1	103.9	106.4
65°	615.6	357.2	67.6	60.8	62.5	60.0	57.4	60.8	72.6	82.8	83.6
67.5°	118.2	94.6	54.0	50.7	51.5	46.4	45.6	49.0	55.7	57.4	56.6
70°	61.6	54.9	41.4	41.4	39.7	32.9	32.9	36.3	36.3	33.8	32.9
72.5°	32.1	30.4	27.0	30.4	25.3	20.3	20.3	22.0	20.3	16.9	16.9
75°	12.7	12.7	11.8	15.2	11.0	9.3	8.4	10.1	7.6	5.9	5.9
77.5°	3.4	3.4	3.4	4.2	2.5	2.5	1.7	1.7	0.8	0.0	0.0
80°	0.0	0.8	0.0	0.8	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)