

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: P632863

Luminaire Tested: GWS-SA2D-750-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632863
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6985.8 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

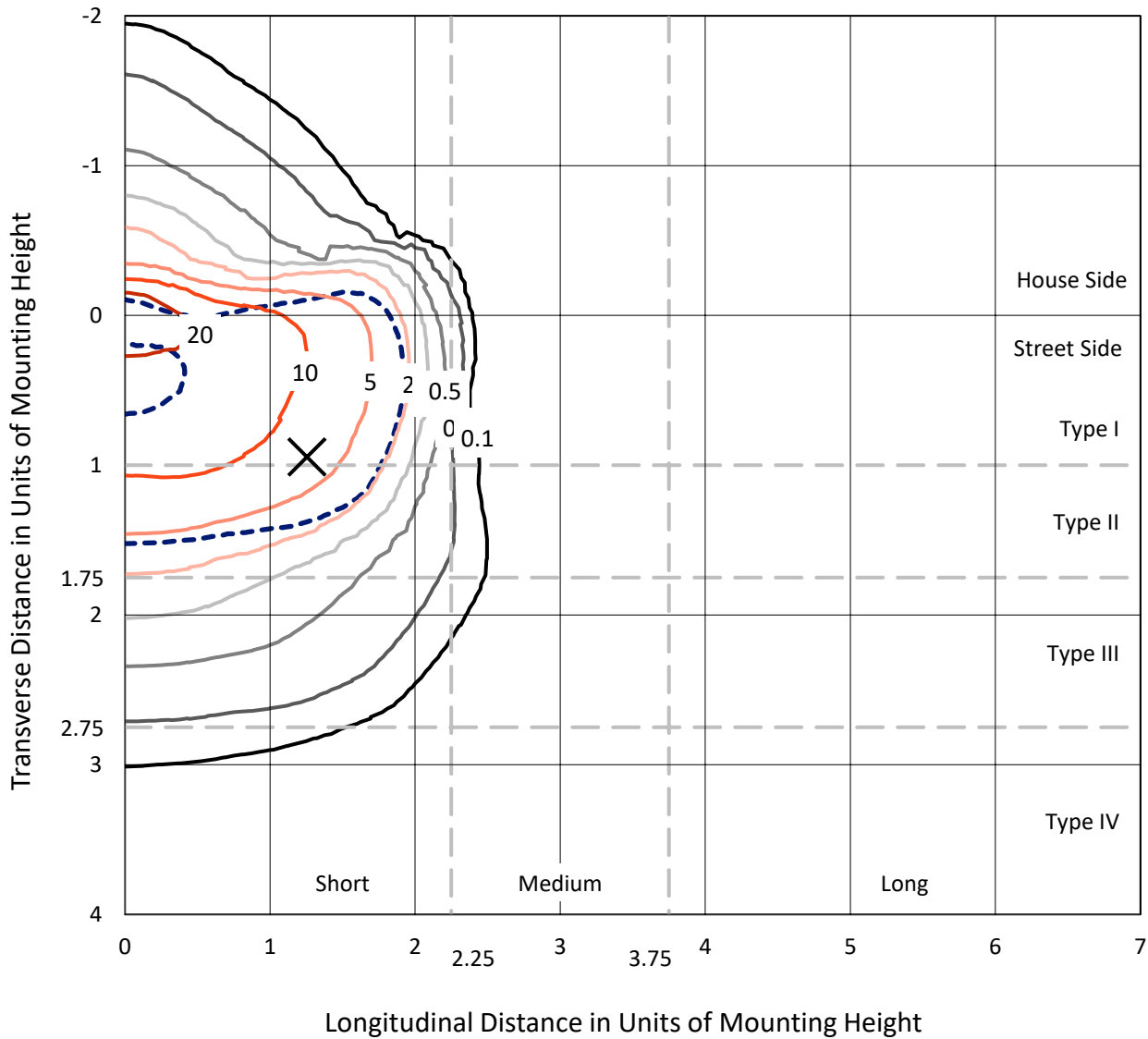
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

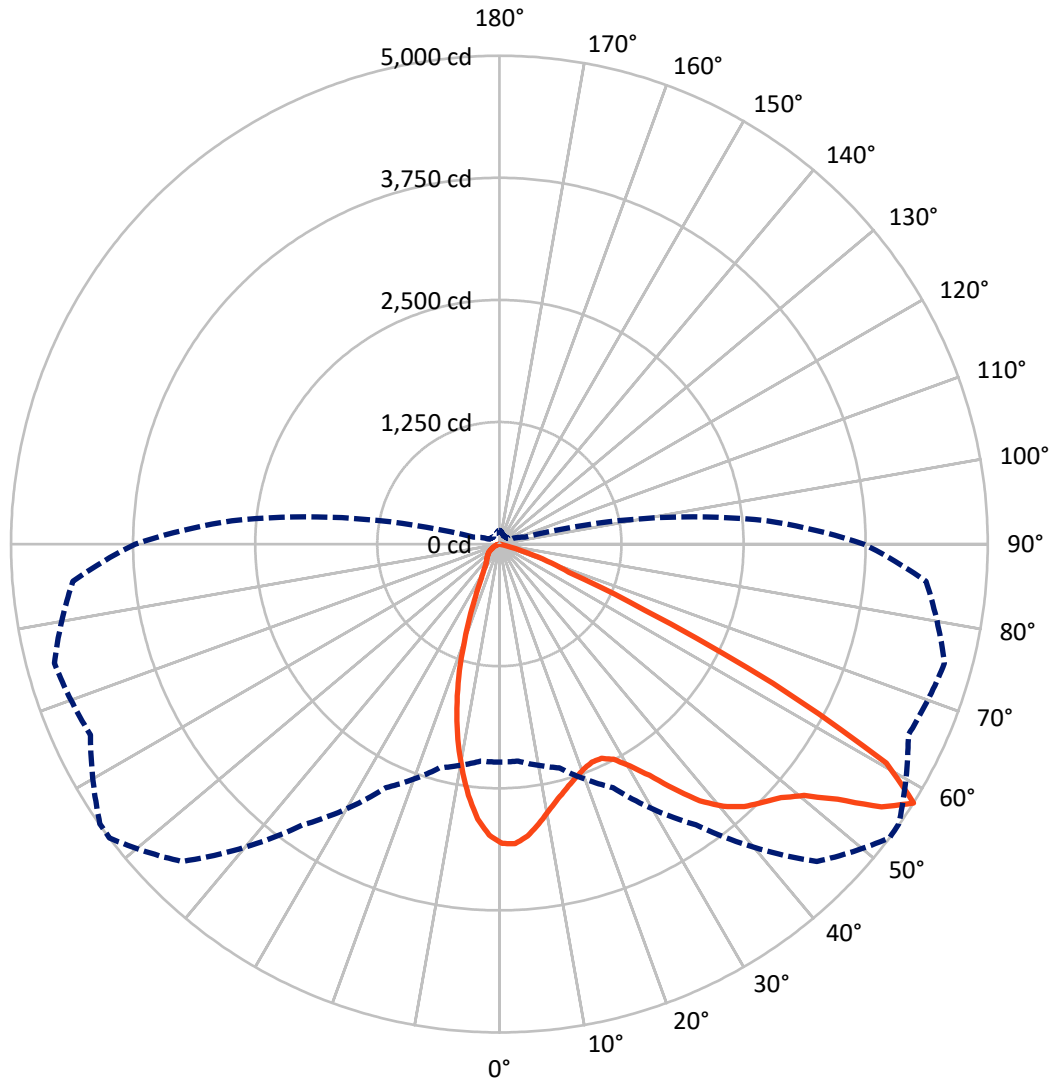
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 30.6 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	1154.0	0.0	1154.0
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	5831.8	0.0	5831.8
	% Fixture	83.5	0.0	83.5
Total	Lumens	6985.8	0.0	6985.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.2	3.8
10°-20°	575.6	8.2
20°-30°	749.8	10.7
30°-40°	1087.7	15.6
40°-50°	1569.4	22.5
50°-60°	1898.1	27.2
60°-70°	773.6	11.1
70°-80°	69.5	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°	6985.8	100.0
0°-180°	6985.8	100.0

Coefficient of Utilization



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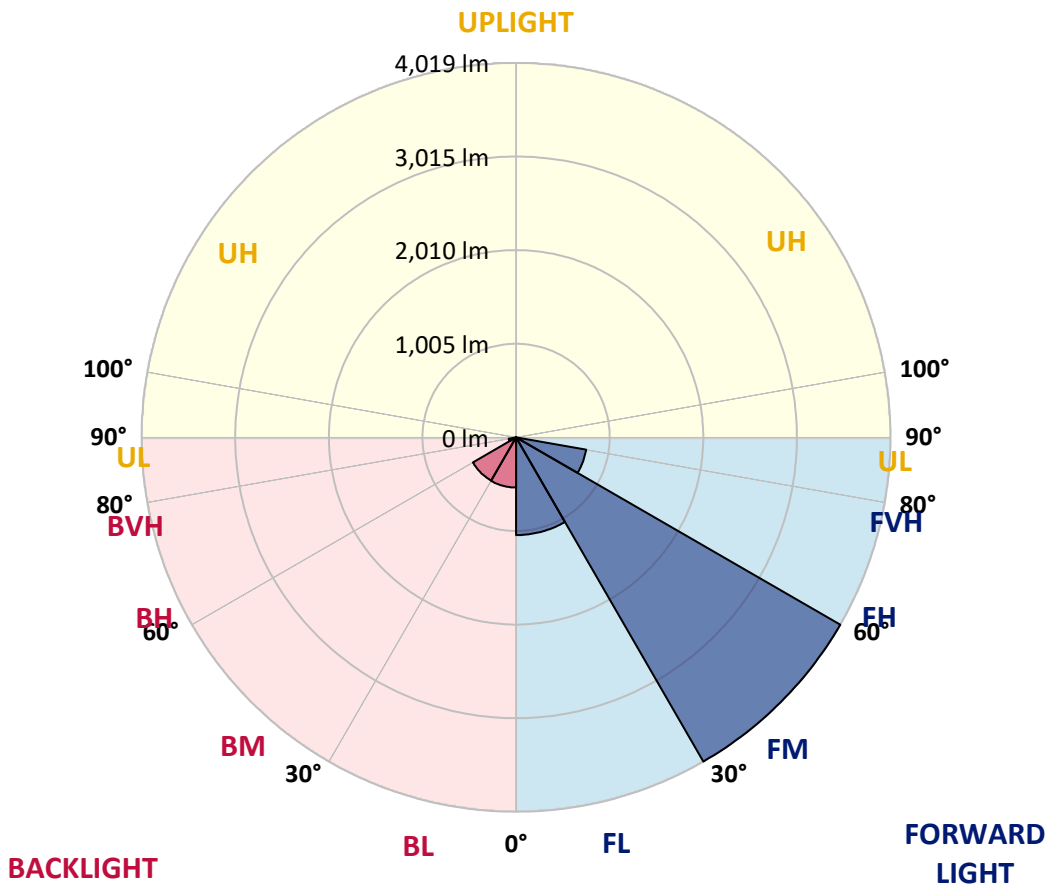
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1049.0	15.0			
FM (30°-60°)	4019.5	57.5			
FH (60°-80°)	763.3	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	538.6	7.7	B2/1000		
BM (30°-60°)	535.6	7.7	B1/1000		
BH (60°-80°)	79.8	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°	3064.4	3064.4	3064.4	3064.4	3064.4	3064.4	3064.4	3064.4	3064.4	3064.4	3064.4
2.5°	3021.6	3028.4	3040.4	3055.8	3066.1	3071.2	3071.2	3085.8	3076.4	3068.7	3060.1
5°	2892.3	2899.1	2915.4	2940.2	2965.0	2983.0	3003.6	3019.0	3025.0	3025.0	3010.4
7.5°	2709.9	2719.3	2729.6	2763.8	2817.8	2858.0	2893.1	2915.4	2947.9	2958.2	2937.7
10°	2513.8	2523.2	2546.4	2593.5	2655.1	2715.0	2775.0	2803.2	2858.9	2888.0	2864.9
12.5°	2347.7	2352.0	2382.8	2439.3	2518.1	2600.3	2673.1	2702.2	2781.0	2824.6	2797.2
15°	2210.7	2213.3	2244.1	2306.6	2397.4	2498.4	2590.0	2620.0	2716.7	2782.7	2741.6
17.5°	2107.1	2108.0	2134.5	2202.2	2297.2	2409.4	2518.1	2554.9	2679.9	2759.6	2697.9
20°	2054.9	2052.3	2071.2	2130.2	2220.1	2332.3	2460.7	2506.1	2659.4	2756.1	2664.5
22.5°	2055.8	2049.8	2057.5	2099.4	2175.6	2280.9	2424.8	2476.2	2661.1	2770.7	2636.3
25°	2104.6	2096.0	2097.7	2120.0	2173.9	2269.8	2429.9	2484.7	2695.3	2819.5	2626.0
27.5°	2186.8	2177.3	2177.3	2188.5	2217.6	2304.9	2494.1	2556.6	2787.0	2914.5	2647.4
30°	2292.9	2283.5	2280.1	2291.2	2315.2	2395.7	2637.1	2702.2	2943.6	3070.4	2715.9
32.5°	2414.5	2403.4	2409.4	2424.8	2447.9	2559.2	2821.2	2907.7	3139.7	3280.1	2839.2
35°	2542.9	2533.5	2560.9	2594.3	2630.3	2786.1	3075.5	3150.8	3380.3	3541.3	3027.6
37.5°	2665.4	2661.1	2718.5	2788.7	2863.2	3058.4	3334.1	3392.3	3586.7	3825.5	3257.9
40°	2787.8	2787.0	2885.4	3008.7	3127.7	3329.8	3530.1	3578.1	3712.5	4046.4	3478.8
42.5°	2924.8	2924.8	3060.9	3225.3	3383.7	3559.3	3674.0	3695.4	3769.0	4174.0	3644.9
45°	3055.8	3063.5	3221.1	3412.0	3599.5	3738.2	3773.3	3775.0	3792.1	4249.4	3782.7
47.5°	3159.4	3166.3	3354.6	3574.7	3776.7	3874.3	3879.5	3871.8	3852.9	4321.3	3888.9
50°	3243.3	3253.6	3450.5	3683.4	3898.3	4005.3	4044.7	4037.0	3989.1	4398.3	3963.4
52.5°	3284.4	3299.0	3483.9	3737.3	4033.6	4229.7	4339.3	4357.2	4192.9	4441.2	4034.5
55°	2955.6	2977.0	3147.4	3494.2	4108.9	4576.4	4748.5	4745.1	4413.8	4568.7	4207.4
57.5°	2232.1	2230.4	2371.7	2751.0	3509.6	4596.1	5000.3	4993.4	4620.1	4716.9	4384.6
60°	1519.8	1509.5	1547.2	1730.4	2453.9	3744.2	4550.7	4643.2	4473.7	4357.2	3722.8
62.5°	1250.9	1241.5	1229.5	1179.0	1409.3	2332.3	3144.0	3284.4	3262.2	3028.4	2334.9
65°	1024.0	1031.7	1065.1	1043.7	980.4	1196.1	1631.9	1715.0	1567.7	1319.4	816.0
67.5°	755.2	758.6	802.3	915.3	881.0	796.3	768.0	781.7	458.1	210.6	136.1
70°	446.1	448.7	488.9	640.4	714.9	611.3	518.9	511.2	181.5	56.5	61.6
72.5°	252.6	247.4	255.2	304.8	389.6	324.5	267.1	243.2	54.8	31.7	31.7
75°	119.9	116.4	100.2	94.2	85.6	54.8	34.2	29.1	13.7	12.8	12.8
77.5°	0.9	2.6	1.7	2.6	2.6	1.7	0.9	0.9	2.6	2.6	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3064.4	3064.4	3064.4	3064.4	3064.4	3064.4	3064.4	3064.4	3064.4	3064.4	3064.4
2.5°	3044.7	3019.0	3013.0	3011.3	2987.3	2961.6	2935.1	2924.8	2909.4	2900.0	2907.7
5°	2987.3	2950.5	2918.0	2888.0	2834.9	2776.7	2726.2	2693.6	2662.8	2642.3	2647.4
7.5°	2906.0	2858.0	2783.5	2707.3	2609.7	2522.4	2424.8	2364.8	2309.2	2278.4	2292.9
10°	2819.5	2756.1	2637.1	2507.8	2354.6	2217.6	2078.0	1964.1	1898.2	1835.7	1842.6
12.5°	2734.7	2650.8	2472.7	2276.7	2083.2	1881.1	1670.5	1512.9	1405.0	1327.1	1315.1
15°	2656.0	2548.1	2312.6	2054.0	1790.3	1521.5	1252.6	1027.5	902.4	825.4	820.2
17.5°	2585.7	2452.2	2146.5	1821.2	1490.7	1146.5	837.4	668.7	596.8	563.4	560.0
20°	2518.1	2355.4	1977.0	1584.8	1163.6	804.8	577.9	500.0	476.9	463.2	464.9
22.5°	2453.0	2250.1	1798.9	1322.8	872.5	565.1	447.8	417.8	415.3	417.0	417.8
25°	2398.2	2153.4	1615.7	1070.3	622.5	430.7	374.2	365.6	373.3	384.4	386.2
27.5°	2370.0	2074.6	1436.7	816.0	450.4	350.2	324.5	327.9	341.6	353.6	355.3
30°	2377.7	2015.5	1251.8	591.6	346.8	295.4	286.8	293.7	307.4	318.5	320.2
32.5°	2432.5	1985.5	1062.6	430.7	285.1	257.7	254.3	259.4	271.4	280.0	280.8
35°	2541.2	1992.4	882.8	329.6	244.9	229.5	228.6	232.0	238.0	244.0	244.9
37.5°	2701.3	2048.1	705.5	274.0	221.8	210.6	207.2	207.2	211.5	214.1	215.8
40°	2873.4	2132.0	565.1	242.3	205.5	193.5	186.7	184.1	187.5	190.9	191.8
42.5°	3015.6	2215.9	458.9	220.0	192.6	176.4	167.8	166.1	170.4	176.4	178.1
45°	3124.3	2280.9	382.7	202.1	178.1	160.1	150.7	150.7	158.4	168.7	170.4
47.5°	3223.6	2333.2	326.2	185.8	164.4	145.6	136.1	137.8	150.7	164.4	167.0
50°	3291.3	2375.1	284.3	171.2	153.3	133.6	125.0	128.4	143.8	160.1	162.7
52.5°	3364.0	2426.5	256.9	158.4	143.0	124.2	116.4	119.0	136.1	154.1	157.5
55°	3565.3	2598.6	256.0	141.3	125.0	111.3	107.9	108.7	125.9	146.4	150.7
57.5°	3729.6	2750.1	273.1	119.0	104.5	97.6	95.9	96.8	112.2	135.3	140.4
60°	3085.8	2137.1	226.0	98.5	87.3	85.6	83.1	84.8	99.3	119.9	124.2
62.5°	1826.3	1221.8	107.9	75.3	74.5	72.8	70.2	73.6	87.3	105.3	107.9
65°	624.2	362.2	68.5	61.6	63.4	60.8	58.2	61.6	73.6	83.9	84.8
67.5°	119.9	95.9	54.8	51.4	52.2	47.1	46.2	49.7	56.5	58.2	57.4
70°	62.5	55.7	42.0	42.0	40.2	33.4	33.4	36.8	36.8	34.2	33.4
72.5°	32.5	30.8	27.4	30.8	25.7	20.5	20.5	22.3	20.5	17.1	17.1
75°	12.8	12.8	12.0	15.4	11.1	9.4	8.6	10.3	7.7	6.0	6.0
77.5°	3.4	3.4	3.4	4.3	2.6	2.6	1.7	1.7	0.9	0.0	0.0
80°	0.0	0.9	0.0	0.9	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)