

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: P635063

Luminaire Tested: GWS-SA3D-722-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635063
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-SA3D-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7581.8 lumens
Efficiency: N/A
Efficacy: 62.8 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

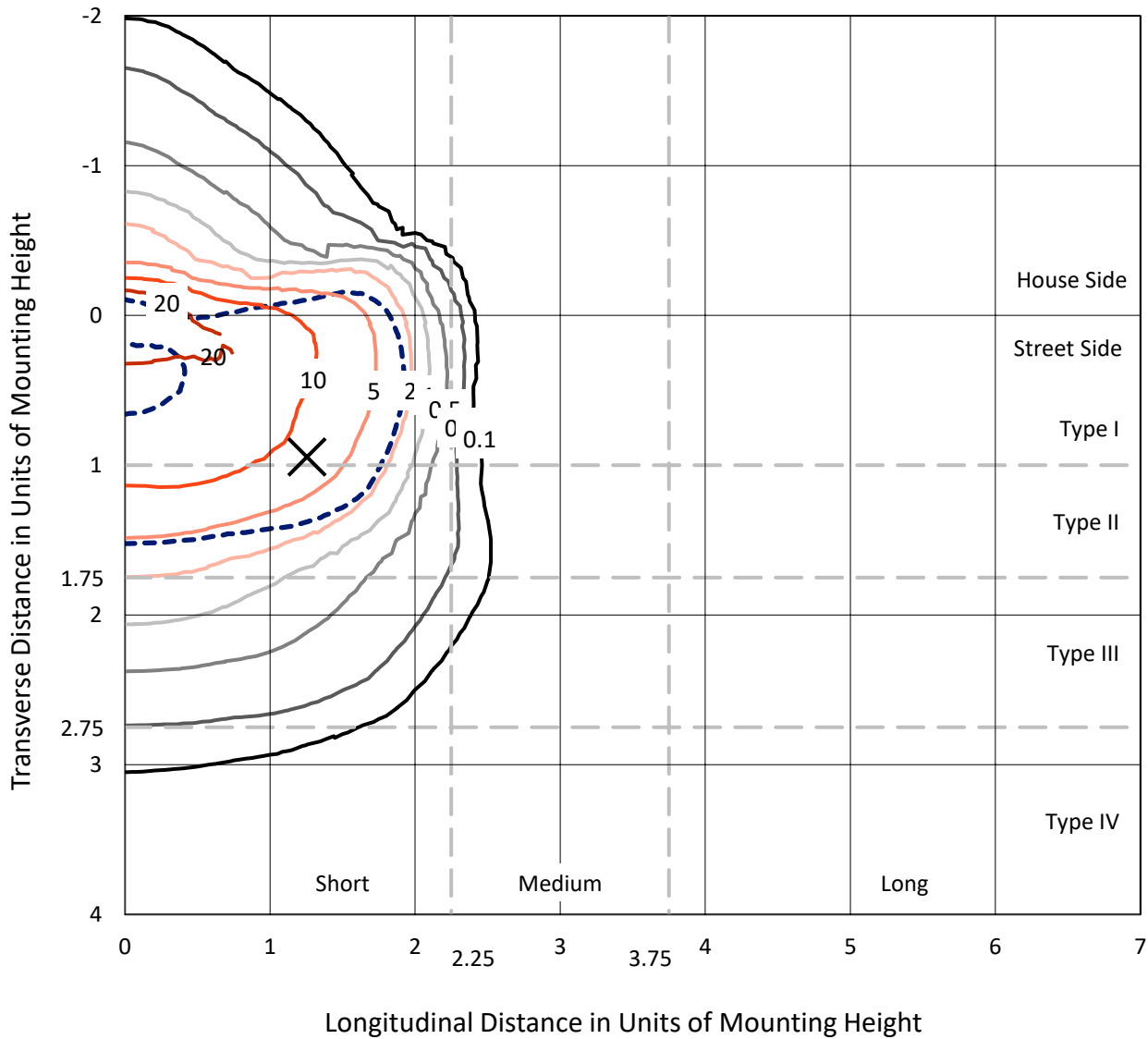
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

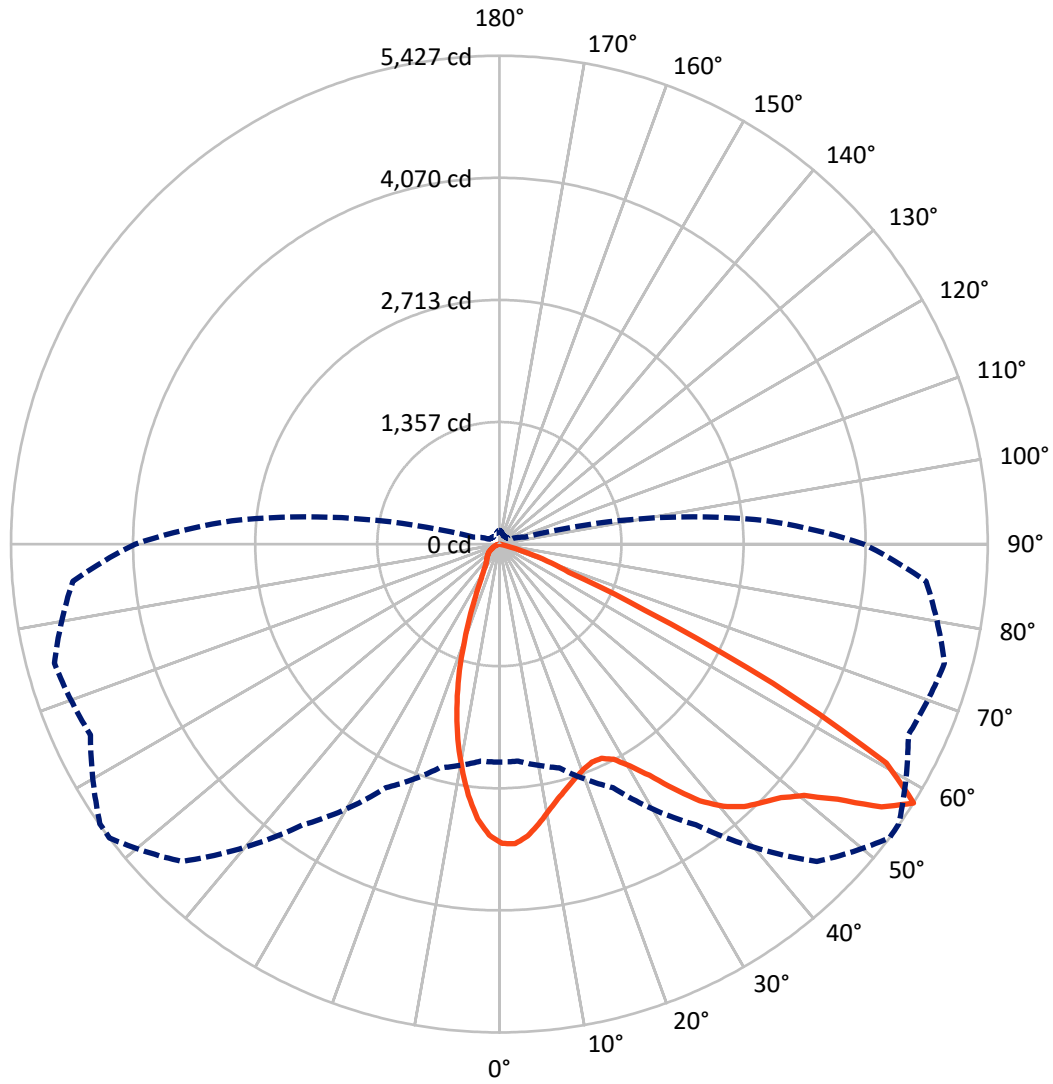
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 33.3 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	1252.4	0.0	1252.4
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	6329.4	0.0	6329.4
	% Fixture	83.5	0.0	83.5
Total	Lumens	7581.8	0.0	7581.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.6	3.8
10°-20°	624.7	8.2
20°-30°	813.8	10.7
30°-40°	1180.4	15.6
40°-50°	1703.3	22.5
50°-60°	2060.0	27.2
60°-70°	839.6	11.1
70°-80°	75.4	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°	7581.8	100.0
0°-180°	7581.8	100.0

Coefficient of Utilization

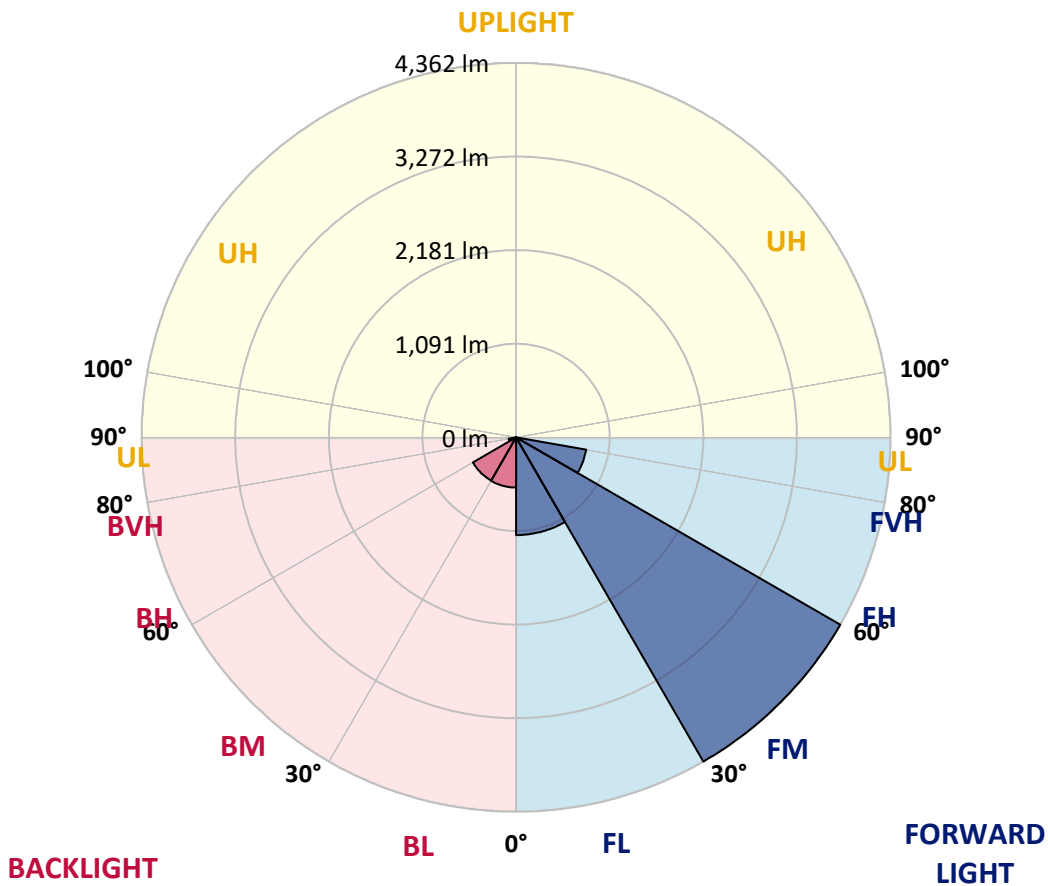


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1138.5	15.0			
FM (30°-60°)	4362.4	57.5			
FH (60°-80°)	828.4	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	584.5	7.7	B2/1000		
BM (30°-60°)	581.3	7.7	B1/1000		
BH (60°-80°)	86.6	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°	3325.8	3325.8	3325.8	3325.8	3325.8	3325.8	3325.8	3325.8	3325.8	3325.8	3325.8
2.5°	3279.3	3286.8	3299.8	3316.5	3327.7	3333.2	3333.2	3349.0	3338.8	3330.5	3321.2
5°	3139.0	3146.5	3164.1	3191.1	3218.0	3237.5	3259.8	3276.6	3283.1	3283.1	3267.3
7.5°	2941.1	2951.3	2962.5	2999.6	3058.2	3101.9	3140.0	3164.1	3199.4	3210.6	3188.3
10°	2728.3	2738.5	2763.6	2814.7	2881.6	2946.7	3011.7	3042.4	3102.8	3134.4	3109.3
12.5°	2548.0	2552.7	2586.1	2647.5	2732.9	2822.2	2901.1	2932.7	3018.2	3065.6	3035.9
15°	2399.3	2402.1	2435.6	2503.4	2601.9	2711.6	2811.0	2843.5	2948.5	3020.1	2975.5
17.5°	2286.9	2287.8	2316.6	2390.0	2493.2	2614.9	2732.9	2772.9	2908.6	2995.0	2928.1
20°	2230.2	2227.4	2247.9	2312.0	2409.6	2531.3	2670.7	2719.9	2886.3	2991.3	2891.8
22.5°	2231.1	2224.6	2233.0	2278.5	2361.2	2475.5	2631.7	2687.4	2888.1	3007.1	2861.2
25°	2284.1	2274.8	2276.7	2300.8	2359.4	2463.5	2637.2	2696.7	2925.3	3060.0	2850.0
27.5°	2373.3	2363.1	2363.1	2375.2	2406.8	2501.6	2706.9	2774.8	3024.7	3163.2	2873.3
30°	2488.5	2478.3	2474.6	2486.7	2512.7	2600.1	2862.1	2932.7	3194.8	3332.3	2947.6
32.5°	2620.5	2608.4	2614.9	2631.7	2656.7	2777.5	3061.9	3155.8	3407.6	3560.0	3081.4
35°	2759.9	2749.7	2779.4	2815.6	2854.7	3023.8	3337.9	3419.7	3668.7	3843.4	3285.9
37.5°	2892.8	2888.1	2950.4	3026.6	3107.4	3319.3	3618.5	3681.7	3892.7	4151.9	3535.8
40°	3025.7	3024.7	3131.6	3265.4	3394.6	3613.9	3831.3	3883.4	4029.3	4391.7	3775.6
42.5°	3174.3	3174.3	3322.1	3500.5	3672.4	3862.9	3987.4	4010.7	4090.6	4530.1	3955.8
45°	3316.5	3324.9	3495.9	3703.1	3906.6	4057.1	4095.2	4097.1	4115.7	4611.9	4105.5
47.5°	3429.0	3436.4	3640.8	3879.6	4099.0	4204.9	4210.5	4202.1	4181.7	4690.0	4220.7
50°	3520.0	3531.2	3744.9	3997.7	4230.9	4347.1	4389.8	4381.4	4329.4	4773.6	4301.5
52.5°	3564.6	3580.4	3781.1	4056.2	4377.7	4590.5	4709.5	4729.0	4550.6	4820.1	4378.7
55°	3207.8	3231.0	3415.9	3792.3	4459.5	4966.9	5153.7	5149.9	4790.3	4958.5	4566.4
57.5°	2422.6	2420.7	2574.0	2985.7	3809.0	4988.2	5426.9	5419.4	5014.3	5119.3	4758.7
60°	1649.4	1638.3	1679.2	1878.0	2663.2	4063.6	4939.0	5039.4	4855.4	4729.0	4040.4
62.5°	1357.6	1347.4	1334.4	1279.6	1529.6	2531.3	3412.2	3564.6	3540.5	3286.8	2534.1
65°	1111.4	1119.8	1156.0	1132.8	1064.0	1298.2	1771.2	1861.3	1701.5	1432.0	885.6
67.5°	819.6	823.3	870.7	993.4	956.2	864.2	833.5	848.4	497.2	228.6	147.8
70°	484.1	486.9	530.6	695.1	775.9	663.5	563.1	554.8	197.0	61.3	66.9
72.5°	274.1	268.6	276.9	330.8	422.8	352.2	289.9	263.9	59.5	34.4	34.4
75°	130.1	126.4	108.7	102.2	92.9	59.5	37.2	31.6	14.9	13.9	13.9
77.5°	0.9	2.8	1.9	2.8	2.8	1.9	0.9	0.9	2.8	2.8	3.7
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°	3325.8	3325.8	3325.8	3325.8	3325.8	3325.8	3325.8	3325.8	3325.8	3325.8	3325.8
2.5°	3304.4	3276.6	3270.1	3268.2	3242.2	3214.3	3185.5	3174.3	3157.6	3147.4	3155.8
5°	3242.2	3202.2	3166.9	3134.4	3076.8	3013.6	2958.8	2923.4	2890.0	2867.7	2873.3
7.5°	3153.9	3101.9	3021.0	2938.3	2832.4	2737.6	2631.7	2566.6	2506.2	2472.8	2488.5
10°	3060.0	2991.3	2862.1	2721.8	2555.5	2406.8	2255.3	2131.7	2060.2	1992.3	1999.8
12.5°	2968.0	2877.0	2683.7	2470.9	2260.9	2041.6	1813.0	1642.0	1524.9	1440.3	1427.3
15°	2882.6	2765.5	2509.9	2229.3	1943.1	1651.3	1359.5	1115.1	979.4	895.8	890.2
17.5°	2806.4	2661.4	2329.6	1976.5	1617.8	1244.3	908.8	725.7	647.7	611.5	607.7
20°	2732.9	2556.4	2145.7	1720.1	1262.9	873.5	627.2	542.7	517.6	502.7	504.6
22.5°	2662.3	2442.1	1952.4	1435.7	946.9	613.3	486.0	453.5	450.7	452.5	453.5
25°	2602.8	2337.1	1753.5	1161.6	675.6	467.4	406.1	396.8	405.2	417.2	419.1
27.5°	2572.2	2251.6	1559.3	885.6	488.8	380.1	352.2	355.9	370.8	383.8	385.6
30°	2580.5	2187.5	1358.6	642.1	376.3	320.6	311.3	318.7	333.6	345.7	347.5
32.5°	2640.0	2154.9	1153.2	467.4	309.4	279.7	276.0	281.6	294.6	303.9	304.8
35°	2758.0	2162.4	958.1	357.8	265.8	249.0	248.1	251.8	258.3	264.8	265.8
37.5°	2931.8	2222.8	765.7	297.4	240.7	228.6	224.9	224.9	229.5	232.3	234.2
40°	3118.6	2313.8	613.3	263.0	223.0	210.0	202.6	199.8	203.5	207.2	208.2
42.5°	3272.8	2404.9	498.1	238.8	209.1	191.4	182.1	180.3	184.9	191.4	193.3
45°	3390.9	2475.5	415.4	219.3	193.3	173.8	163.5	163.5	171.9	183.1	184.9
47.5°	3498.7	2532.2	354.0	201.6	178.4	158.0	147.8	149.6	163.5	178.4	181.2
50°	3572.1	2577.8	308.5	185.9	166.3	145.0	135.7	139.4	156.1	173.8	176.6
52.5°	3651.0	2633.5	278.8	171.9	155.2	134.7	126.4	129.2	147.8	167.3	171.0
55°	3869.4	2820.3	277.8	153.3	135.7	120.8	117.1	118.0	136.6	158.9	163.5
57.5°	4047.8	2984.8	296.4	129.2	113.4	105.9	104.1	105.0	121.7	146.8	152.4
60°	3349.0	2319.4	245.3	106.9	94.8	92.9	90.1	92.0	107.8	130.1	134.7
62.5°	1982.1	1326.0	117.1	81.8	80.8	79.0	76.2	79.9	94.8	114.3	117.1
65°	677.4	393.1	74.3	66.9	68.8	66.0	63.2	66.9	79.9	91.1	92.0
67.5°	130.1	104.1	59.5	55.8	56.7	51.1	50.2	53.9	61.3	63.2	62.3
70°	67.8	60.4	45.5	45.5	43.7	36.2	36.2	40.0	40.0	37.2	36.2
72.5°	35.3	33.5	29.7	33.5	27.9	22.3	22.3	24.2	22.3	18.6	18.6
75°	13.9	13.9	13.0	16.7	12.1	10.2	9.3	11.2	8.4	6.5	6.5
77.5°	3.7	3.7	3.7	4.6	2.8	2.8	1.9	1.9	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)