

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: P635059

Luminaire Tested: GWS-SA3D-722-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635059
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-722-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II 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: 7611.6 lumens
Efficiency: N/A
Efficacy: 63.0 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

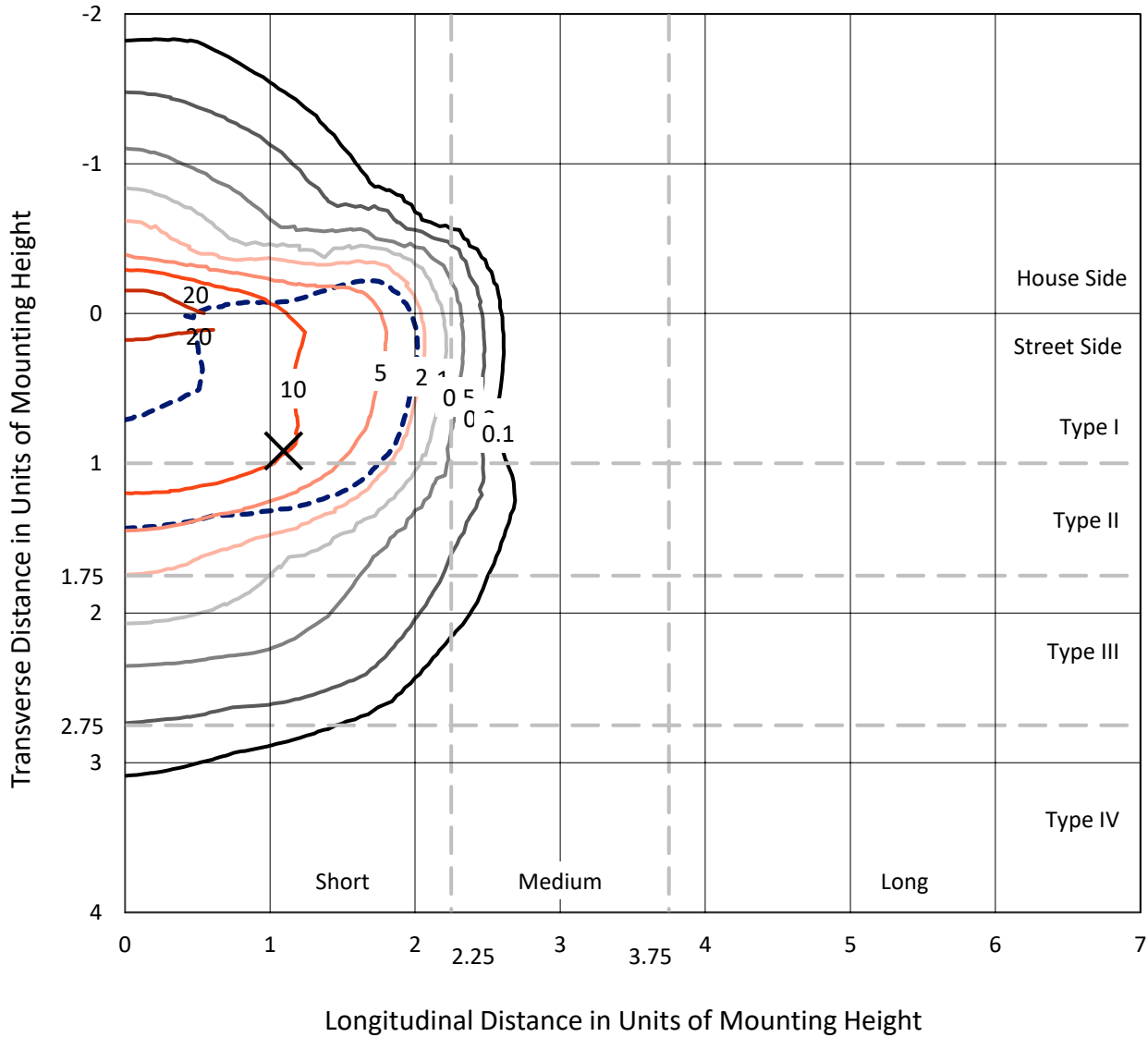
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

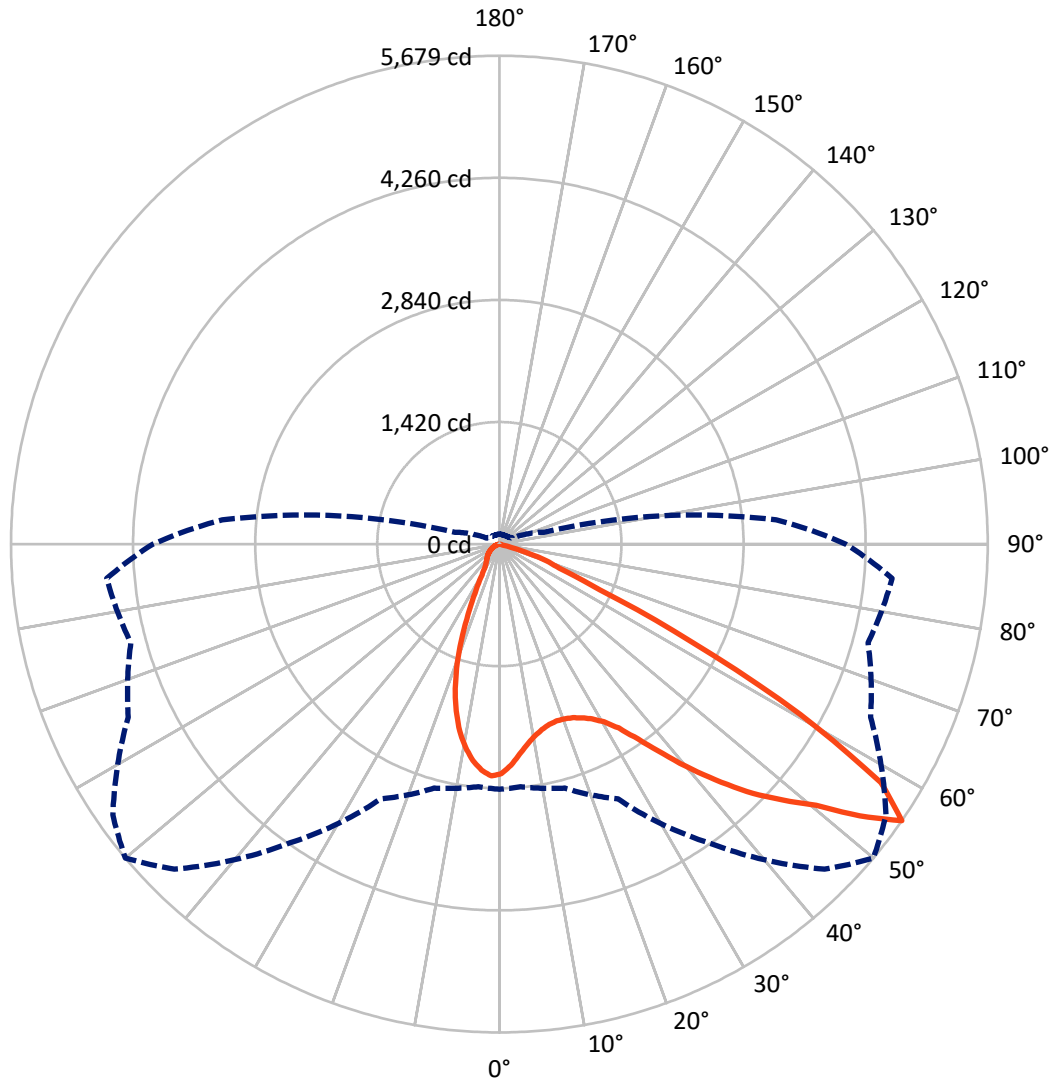
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 26.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1499.8	0.0	1499.8
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	6111.8	0.0	6111.8
	% Fixture	80.3	0.0	80.3
Total	Lumens	7611.6	0.0	7611.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.5	3.1
10°-20°	577.1	7.6
20°-30°	814.1	10.7
30°-40°	1204.7	15.8
40°-50°	1738.0	22.8
50°-60°	2050.1	26.9
60°-70°	914.5	12.0
70°-80°	78.6	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°	7611.6	100.0
0°-180°	7611.6	100.0

Coefficient of Utilization



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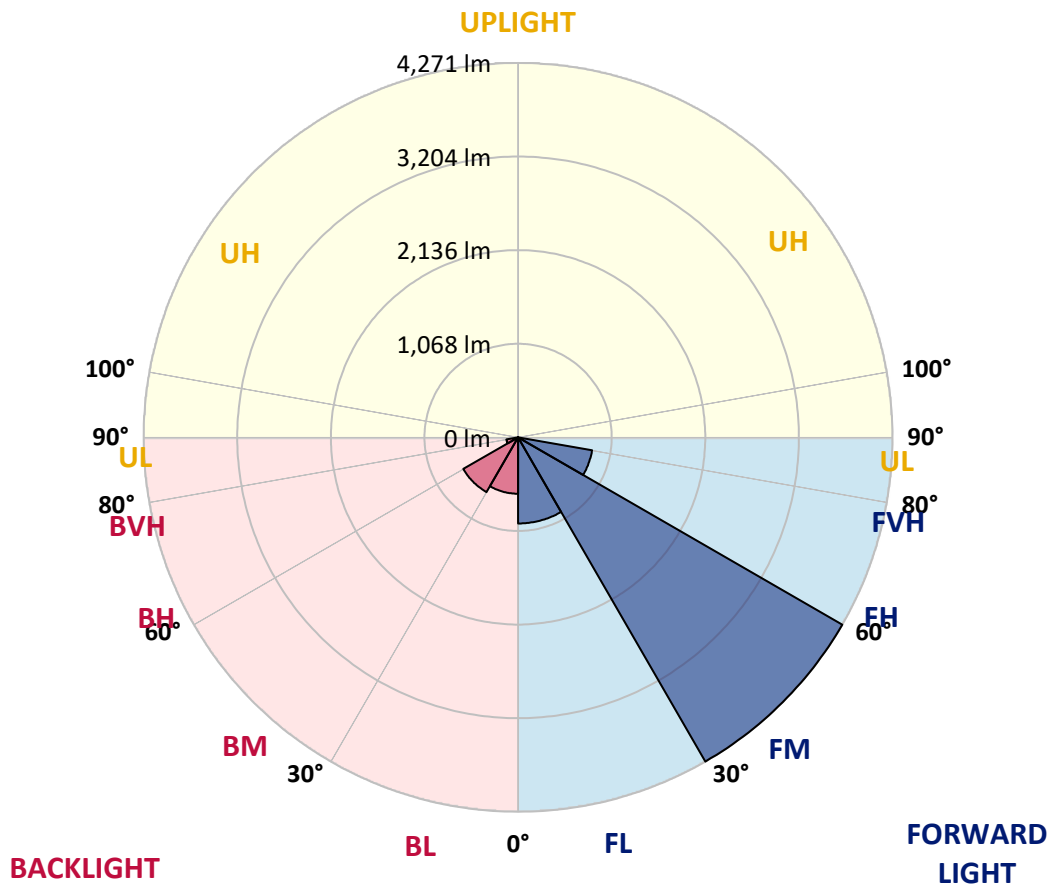
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	982.7	12.9			
FM (30°-60°)	4271.4	56.1			
FH (60°-80°)	857.7	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	643.1	8.4	B2/1000		
BM (30°-60°)	721.3	9.5	B1/1000		
BH (60°-80°)	135.4	1.8	B1/500		G1/500
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°	50°	55°	65°	75°	85°
0°	2670.6	2670.6	2670.6	2670.6	2670.6	2670.6	2670.6	2670.6	2670.6	2670.6	2670.6
2.5°	2481.0	2482.9	2483.8	2508.9	2518.2	2555.3	2574.9	2585.1	2612.0	2643.6	2669.6
5°	2314.7	2311.9	2316.5	2348.1	2368.6	2423.4	2453.1	2473.6	2533.0	2607.4	2669.6
7.5°	2169.7	2175.3	2180.9	2215.3	2245.9	2305.4	2348.1	2378.8	2461.5	2572.1	2677.1
10°	2067.5	2067.5	2075.9	2114.9	2151.1	2224.5	2267.3	2306.3	2404.8	2540.5	2685.4
12.5°	1992.2	1993.2	2003.4	2048.0	2089.8	2166.0	2210.6	2248.7	2357.4	2508.9	2687.3
15°	1956.9	1954.1	1962.5	2009.9	2056.4	2127.9	2174.4	2211.5	2324.0	2491.2	2696.6
17.5°	1947.6	1945.8	1952.3	1998.7	2046.1	2115.8	2161.4	2198.5	2319.3	2496.8	2724.5
20°	1974.6	1970.9	1968.1	2008.0	2052.6	2121.4	2168.8	2210.6	2341.6	2527.5	2767.2
22.5°	2038.7	2038.7	2032.2	2051.7	2081.4	2143.7	2193.0	2247.8	2400.2	2588.8	2830.4
25°	2156.7	2147.4	2135.3	2143.7	2140.0	2179.0	2237.6	2313.8	2510.7	2690.1	2907.5
27.5°	2291.5	2299.8	2279.4	2280.3	2247.8	2233.8	2301.7	2416.9	2675.2	2833.2	3021.8
30°	2474.5	2468.0	2468.9	2466.1	2390.9	2324.9	2398.3	2551.6	2882.4	3051.6	3170.5
32.5°	2617.6	2626.9	2657.6	2675.2	2576.7	2470.8	2548.8	2734.7	3118.5	3300.6	3352.6
35°	2769.1	2785.8	2848.1	2905.7	2823.0	2701.2	2784.9	2977.2	3340.5	3546.8	3561.7
37.5°	2928.9	2962.3	3036.7	3138.0	3125.0	3017.2	3093.4	3262.5	3515.2	3695.5	3734.5
40°	3112.0	3144.5	3266.2	3412.1	3442.8	3418.6	3443.7	3542.2	3630.5	3702.0	3808.9
42.5°	3312.7	3357.3	3511.5	3706.7	3821.9	3843.2	3784.7	3774.5	3680.6	3627.7	3793.1
45°	3549.6	3601.6	3776.3	4029.1	4212.1	4241.0	4139.7	4008.6	3712.2	3572.8	3745.7
47.5°	3815.4	3864.6	4038.4	4342.2	4614.5	4625.6	4449.1	4238.2	3806.1	3636.0	3781.9
50°	3904.6	3935.2	4085.8	4442.6	4944.4	5029.9	4774.3	4496.5	3994.7	3821.9	3958.5
52.5°	3597.9	3610.0	3741.0	4101.6	4877.5	5426.6	5249.2	4882.1	4330.2	4105.3	4230.7
55°	2850.8	2831.3	2937.3	3268.1	4239.1	5345.8	5679.4	5488.0	4762.2	4437.9	4584.8
57.5°	1994.1	1970.9	1946.7	2170.7	3163.1	4531.8	5233.4	5572.5	5173.9	4767.8	4966.7
60°	1639.1	1616.8	1499.8	1396.6	1912.3	3254.1	4019.8	4658.2	5140.4	4751.1	4954.6
62.5°	1416.1	1403.1	1355.7	1215.4	1125.3	1857.5	2517.3	3128.7	3944.5	3730.8	3742.0
65°	1112.3	1108.6	1141.1	1155.9	995.2	1027.7	1284.2	1626.1	2132.6	2010.8	1906.8
67.5°	760.1	751.7	813.1	999.8	957.1	811.2	751.7	758.2	922.7	564.0	447.9
70°	483.2	463.7	464.6	619.8	778.7	640.2	579.8	510.1	459.0	83.6	94.8
72.5°	309.4	297.3	255.5	279.7	360.5	312.2	315.0	271.3	181.2	44.6	52.0
75°	130.1	119.9	92.0	73.4	72.5	45.5	40.0	37.2	25.1	25.1	26.9
77.5°	0.9	0.0	0.0	0.9	1.9	0.9	0.9	1.9	3.7	5.6	6.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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°	2670.6	2670.6	2670.6	2670.6	2670.6	2670.6	2670.6	2670.6	2670.6	2670.6	2670.6
2.5°	2685.4	2663.1	2688.2	2697.5	2696.6	2697.5	2670.6	2652.0	2651.1	2627.8	2616.7
5°	2695.7	2678.0	2696.6	2684.5	2655.7	2619.5	2571.1	2529.3	2510.7	2483.8	2470.8
7.5°	2715.2	2696.6	2693.8	2645.5	2573.9	2497.7	2412.2	2336.1	2295.2	2245.9	2248.7
10°	2729.1	2707.7	2671.5	2573.0	2454.1	2332.3	2205.0	2091.7	2020.1	1954.1	1943.0
12.5°	2734.7	2703.1	2618.5	2469.9	2302.6	2143.7	1956.9	1795.2	1683.7	1597.3	1585.2
15°	2744.9	2693.8	2550.7	2345.3	2115.8	1891.0	1653.1	1431.9	1284.2	1184.8	1193.1
17.5°	2760.7	2683.6	2474.5	2206.0	1915.1	1597.3	1275.8	1022.1	886.5	828.9	829.8
20°	2783.0	2671.5	2390.9	2052.6	1674.5	1265.6	892.0	700.6	662.5	660.7	657.9
22.5°	2812.7	2659.4	2301.7	1884.5	1389.2	886.5	593.8	534.3	550.1	580.8	586.3
25°	2848.1	2644.6	2202.2	1694.9	1077.9	581.7	445.1	435.8	473.9	514.8	524.1
27.5°	2902.9	2637.1	2088.9	1479.3	756.4	417.2	364.3	369.8	404.2	438.6	447.0
30°	2995.8	2651.1	1965.3	1237.7	486.0	332.7	315.9	324.3	342.9	360.5	368.0
32.5°	3122.2	2691.9	1845.4	973.8	346.6	289.0	285.3	289.9	297.3	307.6	310.4
35°	3269.9	2762.6	1721.8	696.9	286.2	263.9	260.2	260.2	263.9	265.8	266.7
37.5°	3391.6	2836.9	1605.7	463.7	256.5	244.4	238.8	236.0	235.1	237.0	237.9
40°	3444.6	2867.6	1479.3	337.3	235.1	226.7	218.4	210.0	210.0	216.5	217.4
42.5°	3407.4	2833.2	1333.4	278.8	220.2	208.1	195.1	187.7	191.4	197.9	199.8
45°	3328.5	2748.6	1172.7	246.2	205.4	189.6	174.7	170.0	173.8	182.1	184.0
47.5°	3315.4	2692.9	980.3	224.9	189.6	173.8	158.0	153.3	158.0	164.5	166.3
50°	3444.6	2741.2	766.6	206.3	174.7	157.0	144.0	139.4	142.2	145.9	147.7
52.5°	3680.6	2920.5	618.9	188.6	157.0	140.3	131.9	126.4	126.4	130.1	131.0
55°	4029.1	3233.7	534.3	168.2	136.6	127.3	119.9	114.3	114.3	116.2	117.1
57.5°	4430.5	3612.8	553.8	141.2	119.9	115.2	108.7	104.1	105.9	105.9	105.9
60°	4374.8	3584.9	592.8	118.9	105.9	104.1	98.5	96.6	101.3	97.6	95.7
62.5°	3222.5	2476.4	310.4	97.6	91.1	89.2	85.5	89.2	95.7	85.5	81.8
65°	1564.8	1198.7	124.5	79.9	77.1	75.3	73.4	79.0	82.7	66.9	63.2
67.5°	368.0	299.2	80.8	67.8	64.1	60.4	62.3	63.2	60.4	45.5	43.7
70°	95.7	93.9	63.2	56.7	51.1	47.4	47.4	46.5	40.0	28.8	26.9
72.5°	52.0	51.1	45.5	42.7	35.3	31.6	32.5	28.8	22.3	16.7	15.8
75°	26.0	27.9	26.0	24.2	19.5	17.7	17.7	15.8	11.2	6.5	6.5
77.5°	5.6	6.5	6.5	5.6	4.6	3.7	3.7	4.6	1.9	0.0	0.0
80°	0.9	0.9	0.9	0.9	0.9	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)