

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: P635585

Luminaire Tested: GWS-SA3E-722-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-722-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY 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: 10159.8 lumens
Efficiency: N/A
Efficacy: 63.8 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

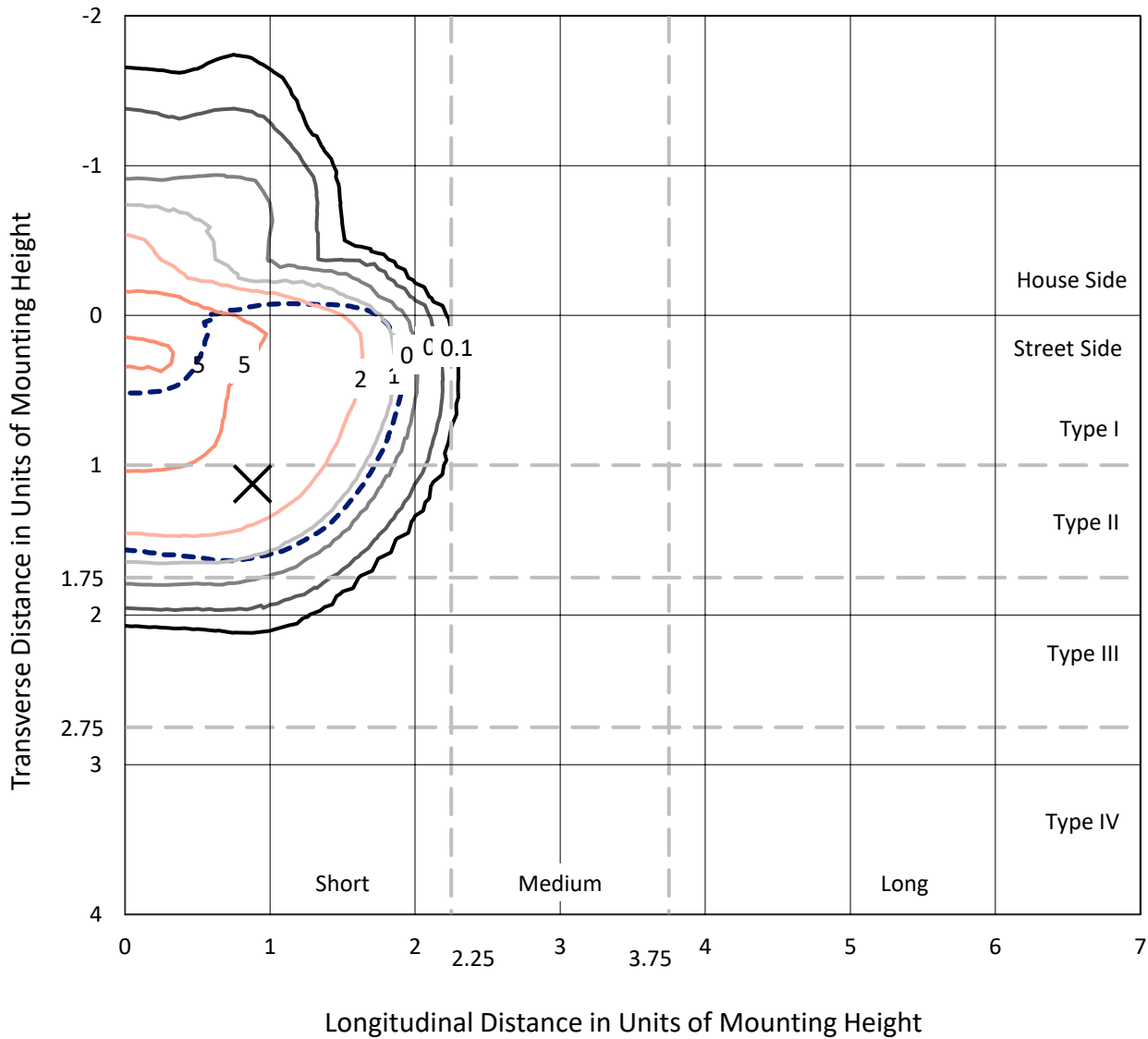
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

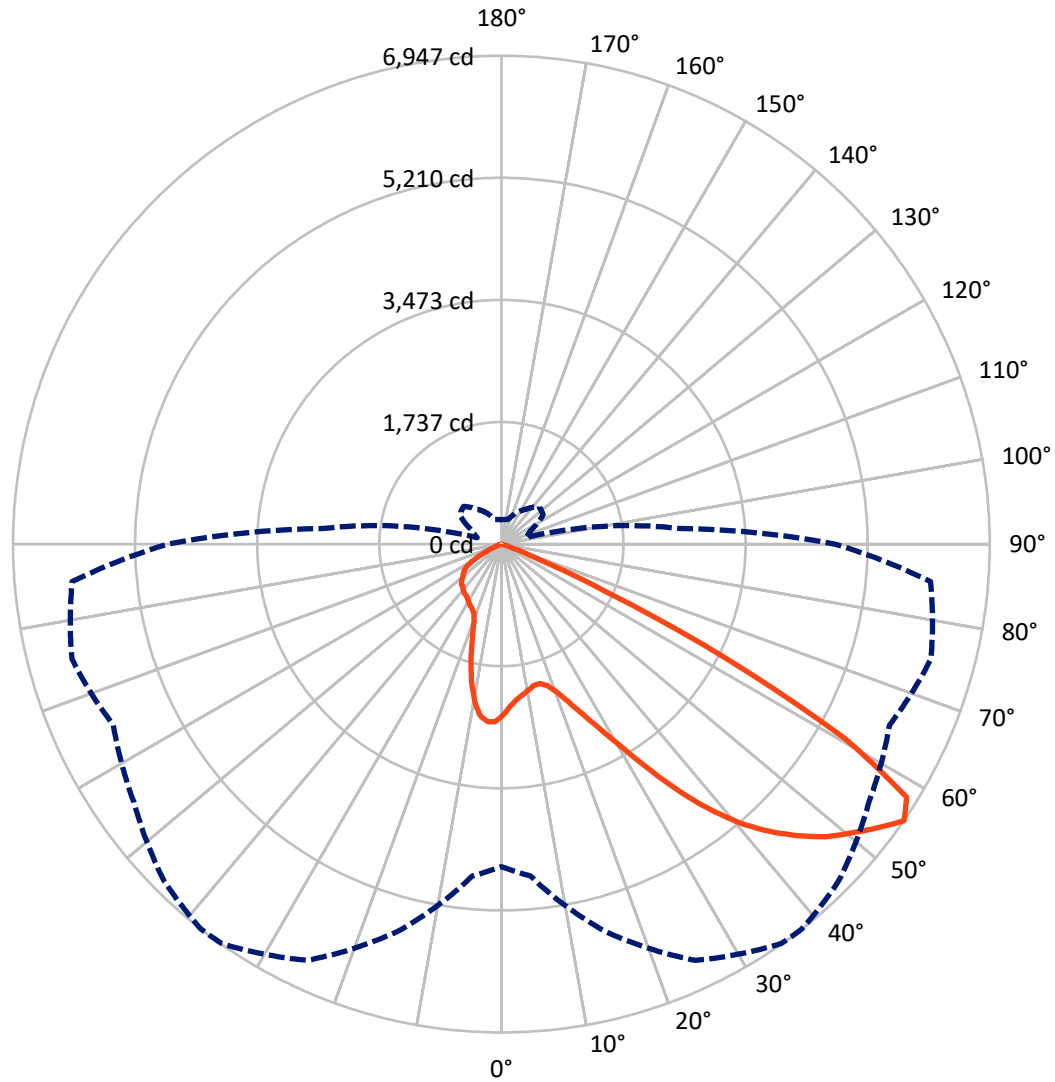
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1979.4	0.0	1979.4
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	8180.4	0.0	8180.4
	% Fixture	80.5	0.0	80.5
Total	Lumens	10159.8	0.0	10159.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.3	2.2
10°-20°	606.5	6.0
20°-30°	1040.7	10.2
30°-40°	1726.1	17.0
40°-50°	2537.5	25.0
50°-60°	2965.1	29.2
60°-70°	1005.1	9.9
70°-80°	51.4	0.5
80°-90°	2.0	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°	10159.8	100.0
0°-180°	10159.8	100.0

Coefficient of Utilization



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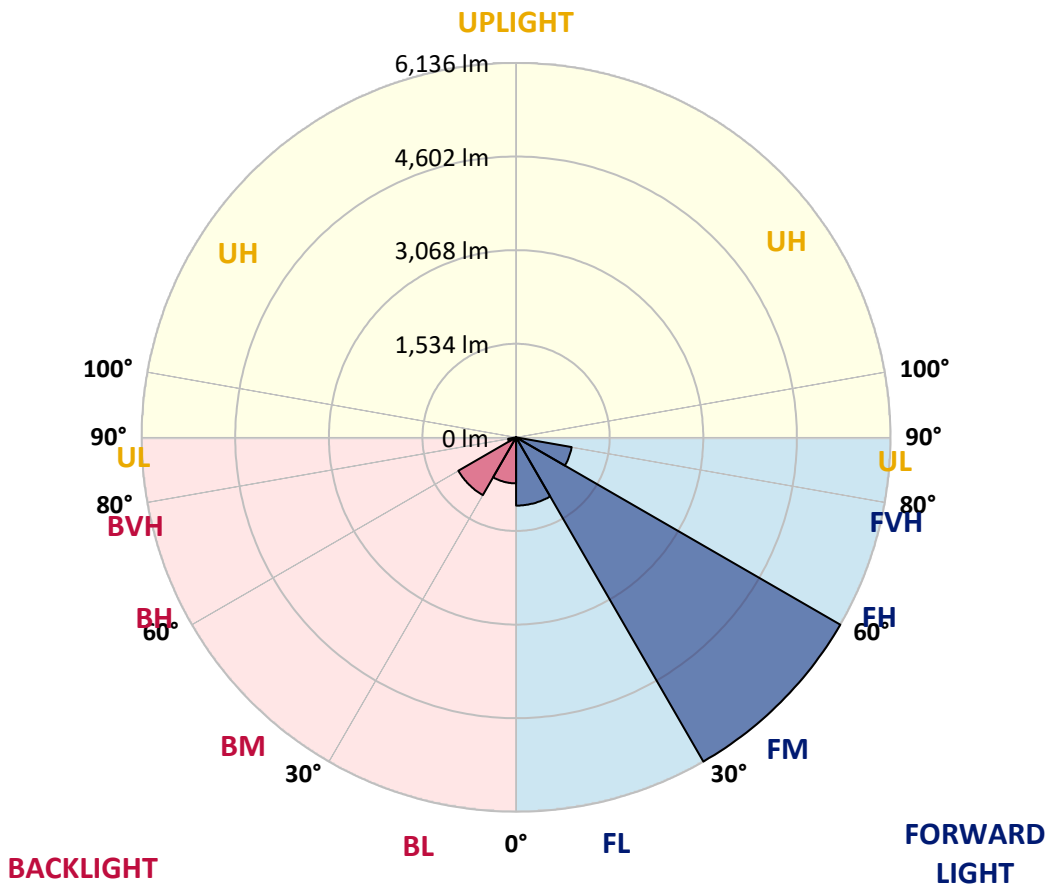
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1118.3	11.0			
FM (30°-60°)	6136.2	60.4			
FH (60°-80°)	924.7	9.1			G1/1800
FVH (80°-90°)	1.1	0.0			G0/10
BL (0°-30°)	754.1	7.4	B2/1000		
BM (30°-60°)	1092.6	10.8	B2/2500		
BH (60°-80°)	131.8	1.3	B1/500		G1/500
BVH (80°-90°)	1.0	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°	38°	45°	55°	65°	75°	85°
0°	2436.4	2436.4	2436.4	2436.4	2436.4	2436.4	2436.4	2436.4	2436.4	2436.4	2436.4
2.5°	2269.2	2264.5	2273.8	2292.4	2309.8	2315.6	2333.0	2357.4	2372.5	2408.5	2437.6
5°	2167.0	2164.7	2173.9	2190.2	2213.4	2221.6	2248.3	2288.9	2329.6	2392.3	2453.8
7.5°	2074.1	2072.9	2086.8	2122.8	2156.5	2167.0	2199.5	2249.4	2304.0	2400.4	2491.0
10°	1952.1	1953.3	1980.0	2031.1	2092.7	2113.6	2165.8	2237.8	2308.7	2432.9	2558.3
12.5°	1912.7	1915.0	1928.9	1968.4	2035.8	2062.5	2135.6	2244.8	2335.4	2479.4	2645.4
15°	2009.0	2009.0	1997.4	2002.1	2032.3	2056.7	2133.3	2268.0	2380.7	2535.1	2731.4
17.5°	2196.0	2189.0	2160.0	2120.5	2110.1	2118.2	2179.8	2317.9	2444.5	2600.1	2828.9
20°	2449.2	2451.5	2394.6	2312.1	2245.9	2244.8	2281.9	2406.2	2536.3	2677.9	2934.6
22.5°	2755.8	2746.5	2671.0	2558.3	2443.4	2434.1	2449.2	2540.9	2668.7	2801.0	3064.7
25°	3111.1	3106.5	2999.6	2848.7	2696.5	2674.5	2674.5	2765.0	2857.9	2976.4	3220.3
27.5°	3482.7	3482.7	3379.4	3205.2	3003.1	2963.6	2957.8	3064.7	3126.2	3149.4	3351.5
30°	3864.8	3860.1	3758.0	3579.1	3363.1	3322.5	3306.2	3385.2	3429.3	3359.6	3515.2
32.5°	4252.7	4260.8	4157.4	3991.4	3798.6	3771.9	3722.0	3722.0	3758.0	3660.4	3773.0
35°	4669.6	4667.2	4586.0	4473.3	4308.4	4278.2	4195.8	4066.9	4121.4	4078.5	4129.6
37.5°	5037.7	5055.1	5015.6	4932.0	4798.5	4768.3	4632.4	4399.0	4440.8	4508.1	4553.4
40°	5411.6	5425.6	5465.1	5438.3	5270.0	5214.2	4972.7	4589.4	4635.9	4867.0	4997.1
42.5°	5778.6	5785.6	5865.7	5909.8	5684.5	5587.0	5230.5	4705.6	4754.3	5148.0	5375.6
45°	6012.0	6027.1	6159.5	6294.2	6050.3	5916.8	5454.6	4854.2	4875.1	5343.1	5655.5
47.5°	6002.7	6037.6	6286.1	6531.1	6365.1	6221.1	5724.0	5092.3	5057.4	5526.6	5840.2
50°	5815.8	5857.6	6214.1	6603.1	6591.5	6458.0	6023.6	5437.2	5328.0	5689.2	5863.4
52.5°	5427.9	5548.7	6087.5	6612.4	6773.8	6706.5	6394.1	5901.7	5693.8	5922.6	5900.5
55°	4589.4	4738.1	5703.1	6533.4	6938.7	6946.9	6783.1	6386.0	6091.0	6324.4	6129.3
57.5°	3483.9	3602.3	4389.7	5815.8	6665.8	6799.4	6934.1	6641.4	6336.0	6598.5	6182.7
60°	2099.6	2236.7	2748.8	4267.8	5383.8	5611.4	6139.8	6082.9	5714.7	5827.4	5070.2
62.5°	851.2	923.2	1269.3	2351.6	3388.7	3601.2	4107.5	4193.4	4102.9	3987.9	3075.1
65°	311.2	340.3	508.6	972.0	1558.5	1636.3	1903.4	2055.5	2180.9	1856.9	1143.9
67.5°	192.8	211.4	331.0	499.4	566.7	527.2	536.5	639.9	610.8	377.4	204.4
70°	142.8	157.9	259.0	346.1	228.8	176.5	119.6	127.7	115.0	101.0	99.9
72.5°	98.7	112.6	193.9	204.4	88.3	62.7	44.1	61.5	69.7	68.5	70.8
75°	65.0	75.5	121.9	80.1	22.1	17.4	15.1	32.5	41.8	41.8	43.0
77.5°	38.3	44.1	43.0	16.3	4.6	4.6	3.5	5.8	9.3	10.5	12.8
80°	4.6	3.5	2.3	2.3	2.3	2.3	2.3	2.3	3.5	3.5	3.5
82.5°	1.2	1.2	1.2	2.3	2.3	2.3	2.3	2.3	2.3	3.5	3.5
85°	0.0	0.0	1.2	1.2	2.3	2.3	2.3	2.3	2.3	3.5	3.5
87.5°	0.0	0.0	1.2	1.2	2.3	2.3	2.3	2.3	2.3	3.5	3.5
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°	2436.4	2436.4	2436.4	2436.4	2436.4	2436.4	2436.4	2436.4	2436.4	2436.4	2436.4
2.5°	2459.6	2451.5	2485.2	2509.6	2529.3	2538.6	2525.8	2524.7	2524.7	2499.1	2492.1
5°	2488.7	2492.1	2539.8	2560.7	2564.1	2552.5	2523.5	2503.8	2492.1	2465.4	2450.3
7.5°	2544.4	2556.0	2601.3	2597.8	2566.5	2513.0	2436.4	2377.2	2338.8	2297.0	2271.5
10°	2624.5	2646.6	2674.5	2625.7	2525.8	2389.9	2232.0	2119.4	2052.0	2004.4	1975.4
12.5°	2722.1	2744.1	2734.9	2619.9	2412.0	2169.3	1966.1	1803.5	1725.7	1682.7	1652.5
15°	2820.8	2834.7	2774.3	2550.2	2211.1	1884.8	1658.3	1496.9	1401.7	1366.8	1341.3
17.5°	2921.8	2918.3	2781.3	2413.2	1942.8	1564.3	1341.3	1231.0	1204.3	1198.5	1196.1
20°	3027.5	2996.1	2753.4	2216.9	1620.0	1247.2	1120.7	1127.6	1176.4	1199.6	1204.3
22.5°	3148.3	3069.3	2683.8	1951.0	1290.2	1039.4	1052.1	1120.7	1186.8	1218.2	1222.8
25°	3277.2	3136.7	2567.6	1609.6	1017.3	955.7	1031.2	1110.2	1181.0	1219.4	1224.0
27.5°	3362.0	3152.9	2377.2	1265.8	873.3	923.2	1003.4	1078.8	1152.0	1193.8	1199.6
30°	3453.7	3145.9	2118.2	975.5	824.5	895.4	965.0	1033.6	1100.9	1147.4	1152.0
32.5°	3588.4	3141.3	1802.3	792.0	804.8	873.3	924.4	981.3	1027.7	1054.5	1051.0
35°	3764.9	3135.5	1434.2	714.2	793.2	855.9	896.5	923.2	872.1	855.9	859.4
37.5°	3991.4	3149.4	1124.1	681.7	789.7	851.2	886.1	809.4	730.5	700.3	695.6
40°	4242.2	3185.4	857.0	668.9	801.3	862.8	846.6	720.0	622.5	563.2	550.5
42.5°	4494.2	3224.9	678.2	664.3	821.0	895.4	781.6	655.0	508.6	475.0	470.3
45°	4681.2	3217.9	586.5	656.1	838.5	913.9	764.1	562.1	454.1	439.0	440.1
47.5°	4775.2	3141.3	536.5	637.6	845.4	895.4	721.2	523.7	416.9	433.2	447.1
50°	4725.3	2942.7	490.1	601.6	830.3	871.0	652.6	494.7	398.3	465.7	497.0
52.5°	4664.9	2698.9	439.0	545.8	794.3	837.3	625.9	486.6	386.7	449.4	472.6
55°	4745.1	2544.4	355.4	459.9	723.5	758.3	605.0	485.4	360.0	349.5	346.1
57.5°	4632.4	2236.7	254.3	331.0	555.1	600.4	589.9	477.3	319.4	318.2	322.8
60°	3580.3	1364.5	174.2	210.2	340.3	383.2	535.4	456.4	275.2	253.2	254.3
62.5°	2034.6	580.6	119.6	130.1	174.2	206.7	408.8	414.6	254.3	241.5	254.3
65°	708.4	207.9	92.9	87.1	96.4	110.3	234.6	320.5	231.1	209.0	211.4
67.5°	146.3	103.4	82.5	72.0	72.0	72.0	119.6	199.7	190.5	166.1	168.4
70°	92.9	88.3	72.0	61.5	59.2	54.6	68.5	110.3	131.2	120.8	121.9
72.5°	68.5	67.4	56.9	49.9	44.1	39.5	43.0	54.6	67.4	69.7	70.8
75°	41.8	43.0	37.2	31.4	27.9	24.4	25.5	25.5	25.5	23.2	25.5
77.5°	12.8	13.9	11.6	9.3	8.1	8.1	8.1	7.0	5.8	3.5	3.5
80°	3.5	3.5	3.5	3.5	3.5	2.3	2.3	1.2	1.2	0.0	0.0
82.5°	3.5	3.5	3.5	3.5	2.3	2.3	1.2	1.2	0.0	0.0	0.0
85°	3.5	3.5	3.5	3.5	2.3	2.3	1.2	1.2	0.0	0.0	0.0
87.5°	3.5	3.5	3.5	3.5	2.3	2.3	1.2	1.2	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)