

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: P641525

Luminaire Tested: GWS-SA6B-722-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641525
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-SA6B-722-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9781.4 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

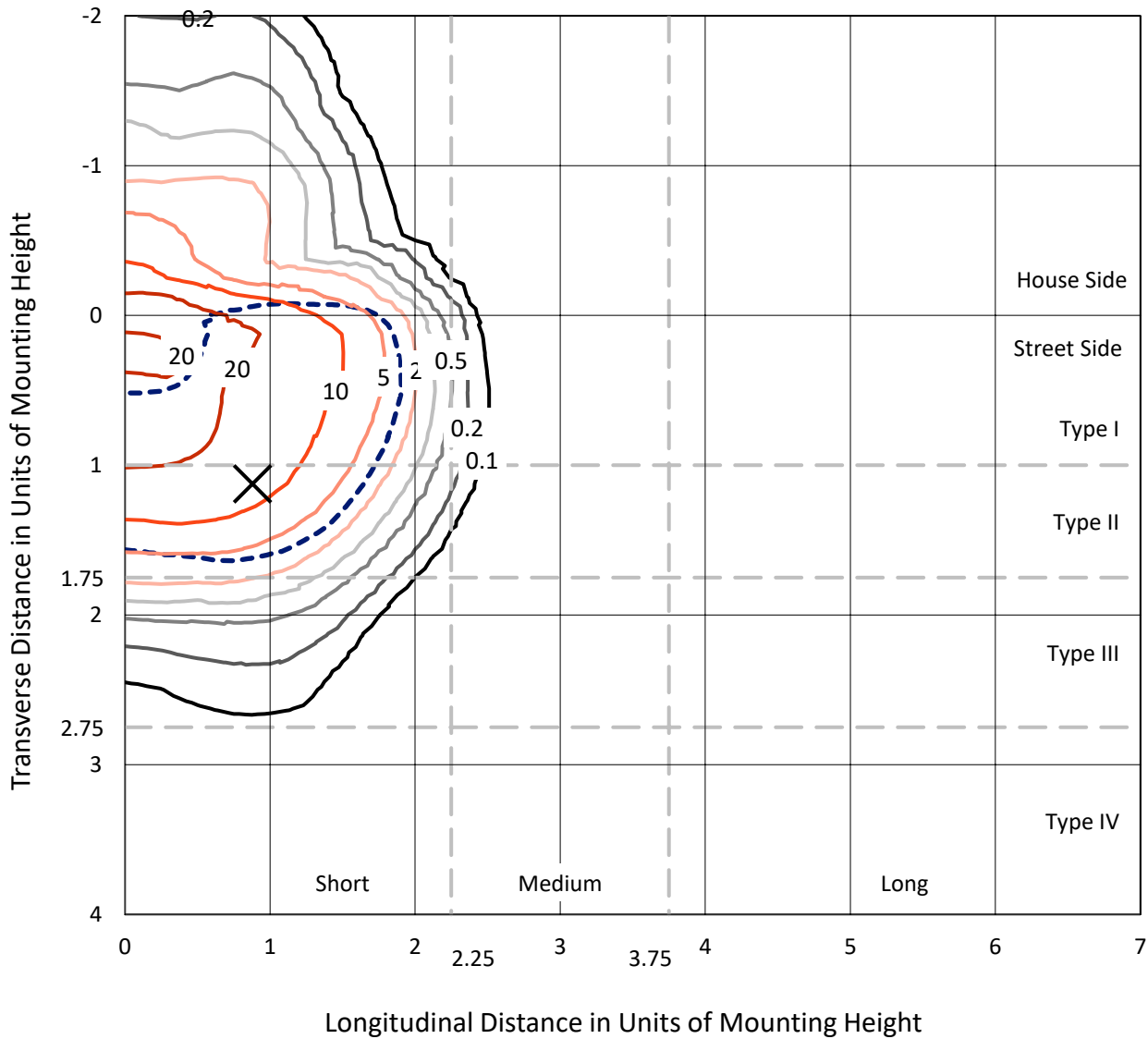
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

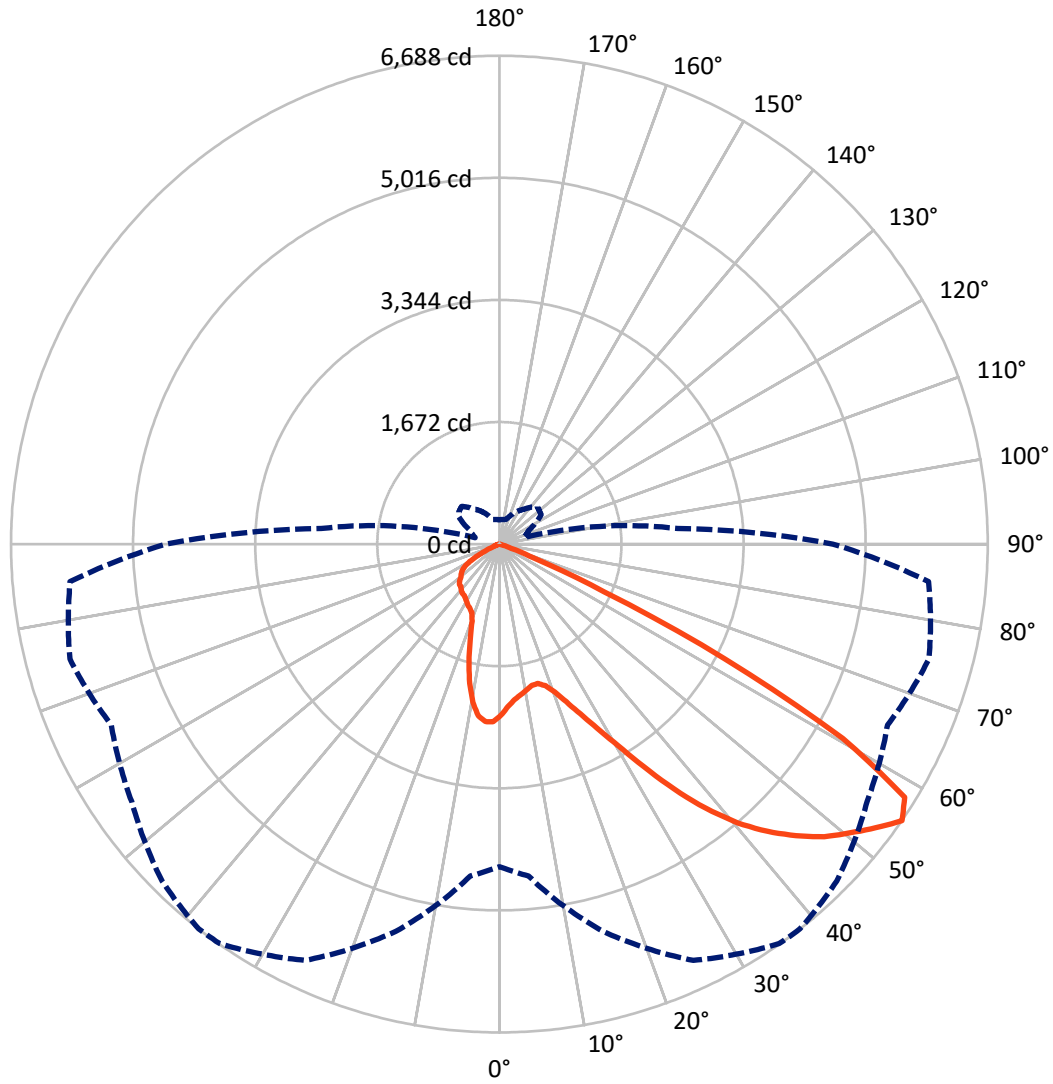
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.5 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	1905.7	0.0	1905.7
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	7875.7	0.0	7875.7
	% Fixture	80.5	0.0	80.5
Total	Lumens	9781.4	0.0	9781.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.9	2.2
10°-20°	583.9	6.0
20°-30°	1002.0	10.2
30°-40°	1661.9	17.0
40°-50°	2443.0	25.0
50°-60°	2854.7	29.2
60°-70°	967.7	9.9
70°-80°	49.5	0.5
80°-90°	1.9	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°	9781.4	100.0
0°-180°	9781.4	100.0

Coefficient of Utilization



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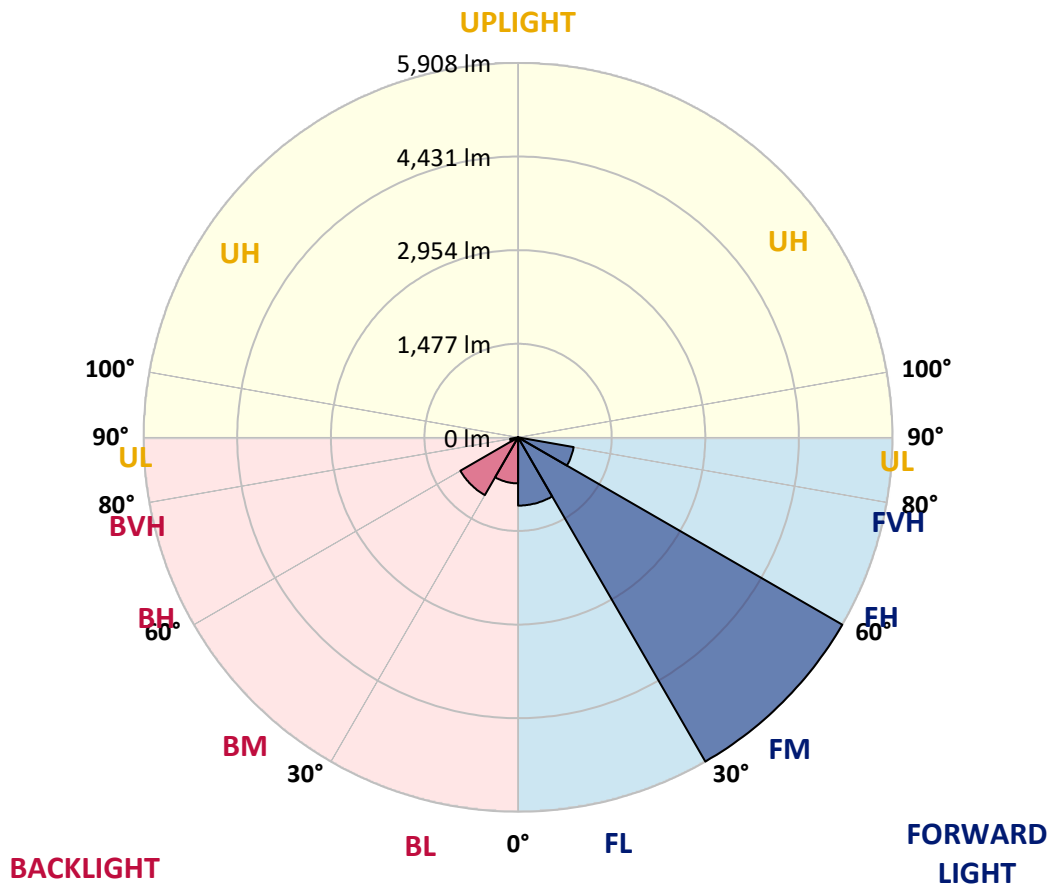
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1076.7	11.0			
FM (30°-60°)	5907.7	60.4			
FH (60°-80°)	890.3	9.1			G1/1800
FVH (80°-90°)	1.0	0.0			G0/10
BL (0°-30°)	726.1	7.4	B2/1000		
BM (30°-60°)	1051.9	10.8	B2/2500		
BH (60°-80°)	126.9	1.3	B1/500		G1/500
BVH (80°-90°)	0.9	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°	2345.7	2345.7	2345.7	2345.7	2345.7	2345.7	2345.7	2345.7	2345.7	2345.7	2345.7
2.5°	2184.7	2180.2	2189.1	2207.0	2223.8	2229.4	2246.1	2269.6	2284.2	2318.8	2346.8
5°	2086.3	2084.0	2093.0	2108.6	2131.0	2138.8	2164.5	2203.7	2242.8	2303.2	2362.4
7.5°	1996.8	1995.7	2009.1	2043.8	2076.2	2086.3	2117.6	2165.6	2218.2	2311.0	2398.2
10°	1879.4	1880.5	1906.3	1955.5	2014.7	2034.8	2085.2	2154.5	2222.7	2342.3	2463.0
12.5°	1841.4	1843.7	1857.1	1895.1	1959.9	1985.6	2056.1	2161.2	2248.4	2387.0	2546.9
15°	1934.2	1934.2	1923.0	1927.5	1956.6	1980.1	2053.8	2183.5	2292.0	2440.7	2629.6
17.5°	2114.2	2107.5	2079.6	2041.5	2031.5	2039.3	2098.6	2231.6	2353.5	2503.3	2723.6
20°	2358.0	2360.2	2305.4	2226.0	2162.3	2161.2	2197.0	2316.6	2441.8	2578.2	2825.3
22.5°	2653.1	2644.2	2571.5	2463.0	2352.4	2343.4	2358.0	2446.3	2569.3	2696.7	2950.5
25°	2995.2	2990.8	2887.9	2742.6	2596.1	2574.9	2574.9	2662.1	2751.5	2865.5	3100.3
27.5°	3353.0	3353.0	3253.5	3085.8	2891.3	2853.2	2847.7	2950.5	3009.8	3032.1	3226.7
30°	3720.8	3716.4	3618.0	3445.8	3237.9	3198.7	3183.1	3259.1	3301.6	3234.5	3384.3
32.5°	4094.3	4102.1	4002.6	3842.7	3657.1	3631.4	3583.3	3583.3	3618.0	3524.1	3632.5
35°	4495.7	4493.4	4415.2	4306.7	4147.9	4118.9	4039.5	3915.4	3967.9	3926.6	3975.8
37.5°	4850.1	4866.8	4828.8	4748.3	4619.8	4590.7	4459.9	4235.1	4275.4	4340.2	4383.8
40°	5210.1	5223.5	5261.5	5235.8	5073.7	5020.0	4787.5	4418.5	4463.2	4685.7	4810.9
42.5°	5563.4	5570.1	5647.2	5689.7	5472.8	5378.9	5035.7	4530.3	4577.3	4956.3	5175.4
45°	5788.1	5802.6	5930.1	6059.8	5825.0	5696.4	5251.4	4673.4	4693.5	5144.1	5444.9
47.5°	5779.2	5812.7	6052.0	6287.9	6128.0	5989.4	5510.8	4902.6	4869.1	5320.8	5622.6
50°	5599.2	5639.4	5982.6	6357.2	6346.0	6217.4	5799.3	5234.7	5129.6	5477.3	5645.0
52.5°	5225.7	5342.0	5860.8	6366.1	6521.5	6456.7	6155.9	5681.9	5481.8	5702.0	5680.8
55°	4418.5	4561.6	5490.7	6290.1	6680.3	6688.1	6530.5	6148.1	5864.1	6088.9	5901.0
57.5°	3354.1	3468.2	4226.2	5599.2	6417.6	6546.1	6675.8	6394.1	6100.0	6352.7	5952.5
60°	2021.4	2153.4	2646.4	4108.8	5183.2	5402.4	5911.1	5856.3	5501.9	5610.3	4881.4
62.5°	819.5	888.8	1222.0	2264.0	3262.5	3467.1	3954.5	4037.3	3950.0	3839.4	2960.6
65°	299.6	327.6	489.7	935.8	1500.4	1575.3	1832.5	1978.9	2099.7	1787.8	1101.3
67.5°	185.6	203.5	318.6	480.8	545.6	507.6	516.5	616.0	588.1	363.4	196.8
70°	137.5	152.1	249.3	333.2	220.3	169.9	115.2	123.0	110.7	97.3	96.2
72.5°	95.0	108.5	186.7	196.8	85.0	60.4	42.5	59.3	67.1	66.0	68.2
75°	62.6	72.7	117.4	77.1	21.2	16.8	14.5	31.3	40.2	40.2	41.4
77.5°	36.9	42.5	41.4	15.7	4.5	4.5	3.4	5.6	8.9	10.1	12.3
80°	4.5	3.4	2.2	2.2	2.2	2.2	2.2	2.2	3.4	3.4	3.4
82.5°	1.1	1.1	1.1	2.2	2.2	2.2	2.2	2.2	2.2	3.4	3.4
85°	0.0	0.0	1.1	1.1	2.2	2.2	2.2	2.2	2.2	3.4	3.4
87.5°	0.0	0.0	1.1	1.1	2.2	2.2	2.2	2.2	2.2	3.4	3.4
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°	2345.7	2345.7	2345.7	2345.7	2345.7	2345.7	2345.7	2345.7	2345.7	2345.7	2345.7
2.5°	2368.0	2360.2	2392.6	2416.1	2435.1	2444.0	2431.7	2430.6	2430.6	2406.0	2399.3
5°	2396.0	2399.3	2445.2	2465.3	2468.6	2457.5	2429.5	2410.5	2399.3	2373.6	2359.1
7.5°	2449.6	2460.8	2504.4	2501.1	2470.9	2419.4	2345.7	2288.6	2251.7	2211.5	2186.9
10°	2526.8	2548.0	2574.9	2527.9	2431.7	2300.9	2148.9	2040.4	1975.6	1929.7	1901.8
12.5°	2620.7	2641.9	2633.0	2522.3	2322.2	2088.5	1892.8	1736.3	1661.4	1620.0	1591.0
15°	2715.7	2729.1	2671.0	2455.2	2128.8	1814.6	1596.6	1441.2	1349.5	1315.9	1291.3
17.5°	2813.0	2809.6	2677.7	2323.3	1870.5	1506.0	1291.3	1185.1	1159.4	1153.8	1151.6
20°	2914.7	2884.6	2650.9	2134.3	1559.7	1200.8	1078.9	1085.6	1132.6	1154.9	1159.4
22.5°	3031.0	2955.0	2583.8	1878.3	1242.1	1000.6	1012.9	1078.9	1142.6	1172.8	1177.3
25°	3155.1	3019.8	2472.0	1549.6	979.4	920.1	992.8	1068.8	1137.0	1173.9	1178.4
27.5°	3236.7	3035.5	2288.6	1218.7	840.8	888.8	966.0	1038.7	1109.1	1149.3	1154.9
30°	3325.1	3028.8	2039.3	939.2	793.8	862.0	929.1	995.1	1059.9	1104.6	1109.1
32.5°	3454.8	3024.3	1735.2	762.5	774.8	840.8	890.0	944.7	989.5	1015.2	1011.8
35°	3624.7	3018.7	1380.8	687.6	763.6	824.0	863.1	888.8	839.7	824.0	827.4
37.5°	3842.7	3032.1	1082.3	656.3	760.3	819.5	853.1	779.3	703.2	674.2	669.7
40°	4084.2	3066.8	825.1	644.0	771.4	830.7	815.1	693.2	599.3	542.3	530.0
42.5°	4326.8	3104.8	652.9	639.5	790.5	862.0	752.4	630.6	489.7	457.3	452.8
45°	4506.8	3098.1	564.6	631.7	807.2	879.9	735.7	541.1	437.2	422.6	423.7
47.5°	4597.4	3024.3	516.5	613.8	813.9	862.0	694.3	504.2	401.4	417.0	430.4
50°	4549.3	2833.1	471.8	579.1	799.4	838.5	628.3	476.3	383.5	448.3	478.5
52.5°	4491.2	2598.3	422.6	525.5	764.7	806.1	602.6	468.5	372.3	432.7	455.0
55°	4568.3	2449.6	342.1	442.7	696.5	730.1	582.5	467.3	346.6	336.5	333.2
57.5°	4459.9	2153.4	244.9	318.6	534.4	578.0	568.0	459.5	307.5	306.3	310.8
60°	3446.9	1313.7	167.7	202.4	327.6	369.0	515.4	439.4	265.0	243.7	244.9
62.5°	1958.8	559.0	115.2	125.2	167.7	199.0	393.6	399.1	244.9	232.6	244.9
65°	682.0	200.1	89.4	83.9	92.8	106.2	225.8	308.6	222.5	201.2	203.5
67.5°	140.9	99.5	79.4	69.3	69.3	69.3	115.2	192.3	183.4	159.9	162.1
70°	89.4	85.0	69.3	59.3	57.0	52.5	66.0	106.2	126.3	116.3	117.4
72.5°	66.0	64.8	54.8	48.1	42.5	38.0	41.4	52.5	64.8	67.1	68.2
75°	40.2	41.4	35.8	30.2	26.8	23.5	24.6	24.6	24.6	22.4	24.6
77.5°	12.3	13.4	11.2	8.9	7.8	7.8	7.8	6.7	5.6	3.4	3.4
80°	3.4	3.4	3.4	3.4	3.4	2.2	2.2	1.1	1.1	0.0	0.0
82.5°	3.4	3.4	3.4	3.4	2.2	2.2	1.1	1.1	0.0	0.0	0.0
85°	3.4	3.4	3.4	3.4	2.2	2.2	1.1	1.1	0.0	0.0	0.0
87.5°	3.4	3.4	3.4	3.4	2.2	2.2	1.1	1.1	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)