

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: P635856

Luminaire Tested: GWS-SA3E-750-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635856
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-750-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13891.3 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

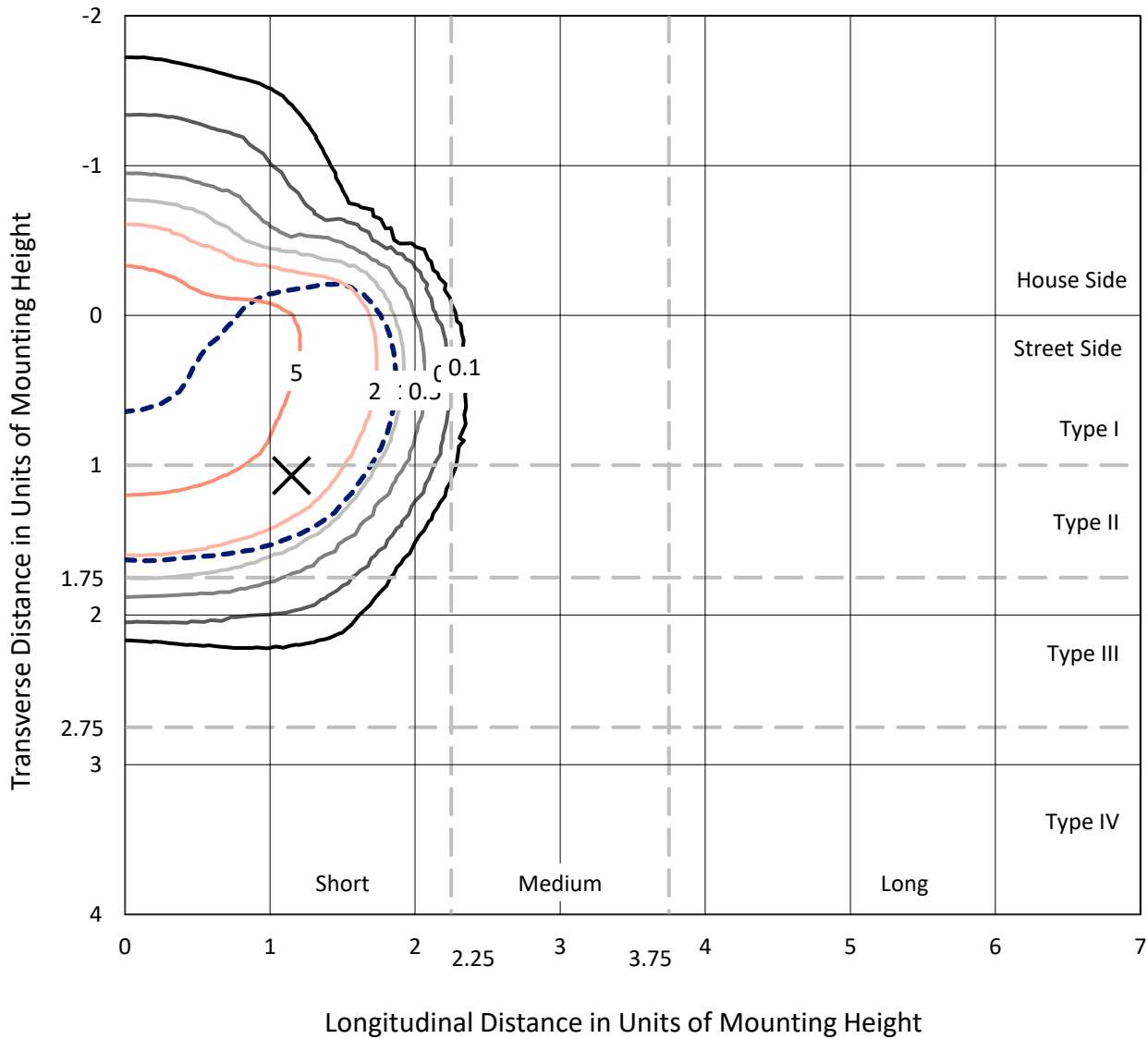
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

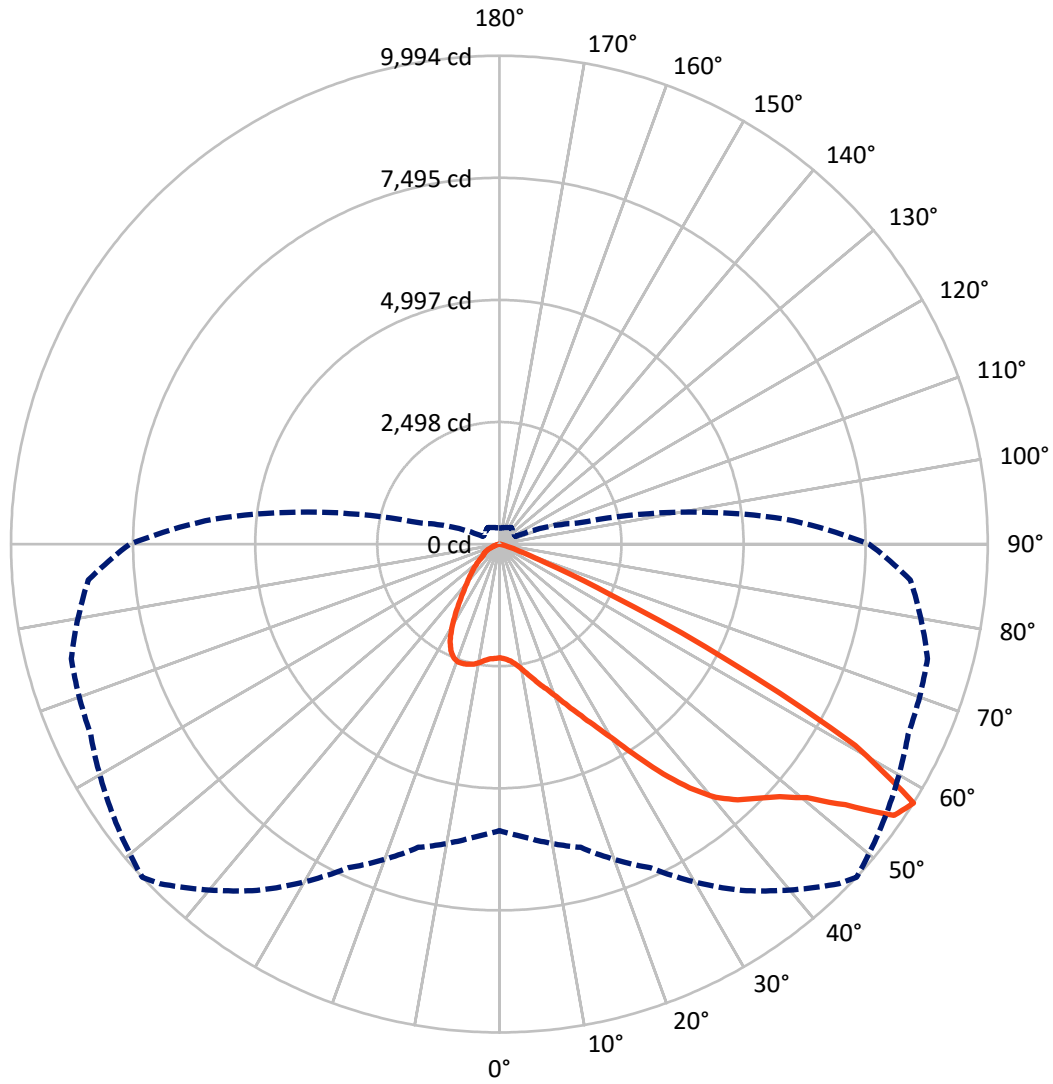
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3013.7	0.0	3013.7
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	10877.6	0.0	10877.6
	% Fixture	78.3	0.0	78.3
Total	Lumens	13891.3	0.0	13891.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.4	1.7
10°-20°	780.6	5.6
20°-30°	1449.5	10.4
30°-40°	2320.3	16.7
40°-50°	3391.8	24.4
50°-60°	4186.0	30.1
60°-70°	1398.7	10.1
70°-80°	130.3	0.9
80°-90°	2.7	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°	13891.3	100.0
0°-180°	13891.3	100.0

Coefficient of Utilization



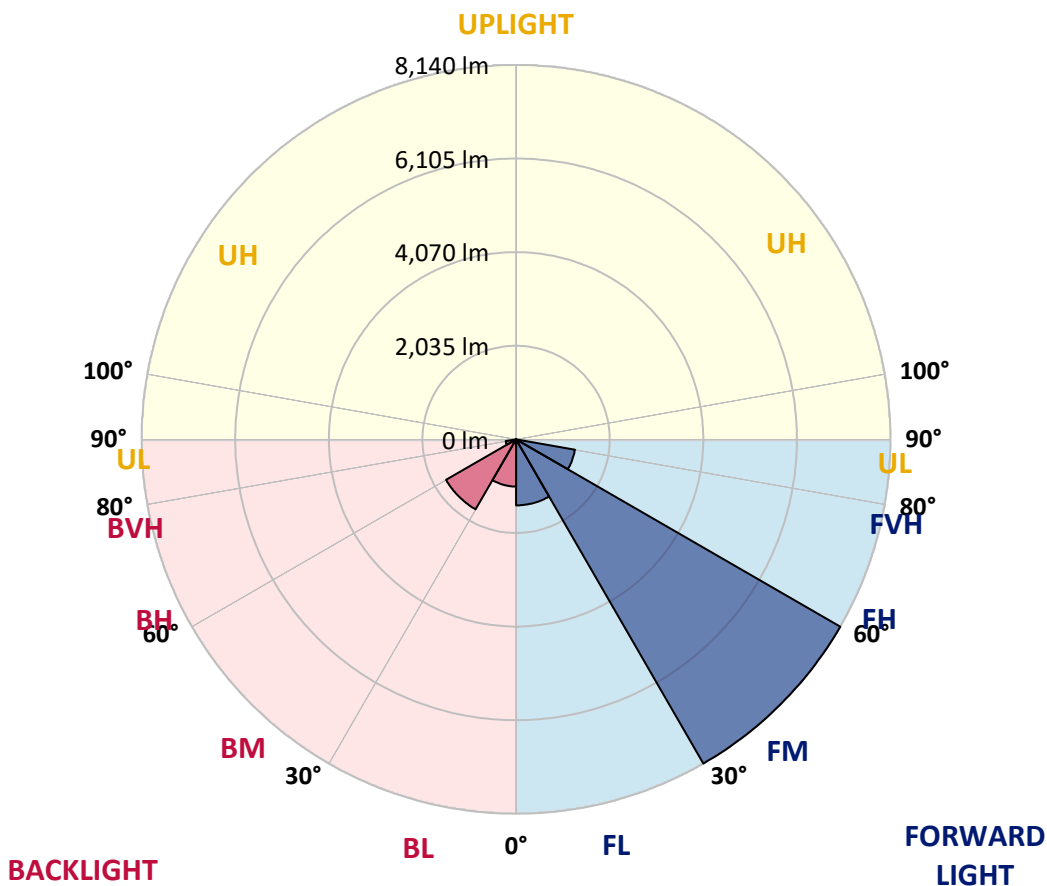
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1435.6	10.3			
FM (30°-60°)	8140.2	58.6			
FH (60°-80°)	1299.9	9.4			G1/1800
FVH (80°-90°)	1.8	0.0			G0/10
BL (0°-30°)	1025.8	7.4	B3/2500		
BM (30°-60°)	1757.9	12.7	B2/2500		
BH (60°-80°)	229.1	1.6	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: B3-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2325.4	2325.4	2325.4	2325.4	2325.4	2325.4	2325.4	2325.4	2325.4	2325.4	2325.4
2.5°	2349.6	2348.0	2346.4	2356.1	2352.8	2351.2	2354.4	2354.4	2354.4	2344.8	2325.4
5°	2406.1	2406.1	2404.4	2414.1	2406.1	2401.2	2402.8	2402.8	2396.4	2378.6	2354.4
7.5°	2494.7	2491.5	2488.3	2498.0	2489.9	2488.3	2491.5	2481.8	2470.6	2441.5	2407.7
10°	2622.1	2622.1	2617.3	2627.0	2620.5	2617.3	2617.3	2610.9	2589.9	2544.7	2494.7
12.5°	2797.9	2789.9	2778.6	2770.5	2767.3	2765.7	2767.3	2757.6	2735.0	2677.0	2607.6
15°	2989.8	2983.4	2965.6	2952.7	2935.0	2931.8	2941.4	2933.4	2910.8	2831.8	2733.4
17.5°	3231.7	3239.8	3194.6	3167.2	3115.6	3112.4	3115.6	3128.5	3112.4	3010.8	2867.3
20°	3438.1	3444.6	3410.7	3391.4	3344.6	3323.6	3330.1	3351.1	3333.3	3214.0	3014.0
22.5°	3659.1	3667.1	3631.7	3591.3	3570.4	3570.4	3594.6	3623.6	3599.4	3443.0	3181.7
25°	3923.5	3930.0	3901.0	3847.7	3810.7	3857.4	3892.9	3970.3	3930.0	3717.1	3380.1
27.5°	4226.7	4228.3	4186.4	4131.6	4112.2	4199.3	4234.8	4354.1	4338.0	4025.1	3589.7
30°	4550.9	4552.5	4542.8	4505.7	4488.0	4602.5	4650.8	4823.4	4812.1	4407.3	3875.2
32.5°	4887.9	4887.9	4905.6	4902.4	4923.4	5110.4	5187.8	5384.6	5373.3	4875.0	4229.9
35°	5226.5	5228.2	5258.8	5336.2	5423.3	5671.6	5773.2	6011.9	5986.1	5434.6	4683.1
37.5°	5612.0	5595.8	5637.8	5753.9	5947.4	6234.4	6331.2	6558.6	6529.6	6007.1	5274.9
40°	6076.4	6047.4	6047.4	6182.8	6402.2	6732.7	6815.0	6927.9	6829.5	6469.9	5855.5
42.5°	6589.2	6561.8	6526.3	6645.7	6829.5	7087.5	7155.3	7124.6	7044.0	6906.9	6516.7
45°	7108.5	7066.6	7090.8	7163.3	7269.8	7392.3	7418.1	7276.2	7239.1	7277.8	7063.3
47.5°	7503.6	7474.6	7534.2	7635.8	7722.9	7740.6	7722.9	7526.2	7522.9	7660.0	7442.3
50°	7635.8	7639.0	7803.5	8026.1	8166.4	8180.9	8156.7	7930.9	7900.3	7940.6	7647.1
52.5°	7648.7	7661.6	7901.9	8326.0	8708.2	8882.4	8863.0	8619.5	8319.6	8276.0	7956.7
55°	7337.5	7413.3	7748.7	8368.0	9180.7	9737.1	9801.6	9335.5	8890.5	8853.4	8622.8
57.5°	5865.2	6020.0	6424.7	7306.8	8653.4	9825.8	9993.5	9658.1	9227.5	9069.5	8443.8
60°	3505.9	3697.8	4086.4	5168.5	6586.0	8076.1	8364.7	8411.5	8213.1	7756.8	6478.0
62.5°	1504.6	1488.5	1967.4	2796.3	3917.1	5133.0	5263.6	5466.8	5639.4	5162.0	3931.6
65°	516.0	561.2	780.5	1261.1	1961.0	2383.5	2499.6	2681.8	2926.9	2415.7	1440.1
67.5°	319.3	338.7	449.9	745.0	1057.9	1041.8	990.2	961.1	935.3	640.2	395.1
70°	232.2	248.3	316.1	512.8	711.2	499.9	433.8	351.6	390.3	359.6	280.6
72.5°	156.4	169.3	217.7	311.2	364.5	243.5	225.8	256.4	309.6	295.1	229.0
75°	93.5	101.6	124.2	151.6	148.4	125.8	127.4	180.6	237.1	220.9	162.9
77.5°	64.5	67.7	82.2	98.4	72.6	38.7	35.5	50.0	80.6	80.6	54.8
80°	16.1	21.0	21.0	12.9	11.3	9.7	9.7	14.5	22.6	16.1	8.1
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2	3.2
85°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2
87.5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2
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°	2325.4	2325.4	2325.4	2325.4	2325.4	2325.4	2325.4	2325.4	2325.4	2325.4	2325.4
2.5°	2336.7	2317.4	2330.3	2327.0	2336.7	2339.9	2325.4	2322.2	2323.8	2304.5	2298.0
5°	2359.3	2336.7	2343.2	2336.7	2348.0	2357.7	2352.8	2359.3	2367.3	2352.8	2346.4
7.5°	2407.7	2385.1	2383.5	2373.8	2389.9	2396.4	2394.8	2412.5	2428.6	2419.0	2409.3
10°	2491.5	2460.9	2457.7	2449.6	2454.4	2459.3	2441.5	2444.8	2459.3	2448.0	2443.1
12.5°	2594.7	2557.6	2549.6	2530.2	2530.2	2506.0	2467.3	2459.3	2470.6	2462.5	2454.4
15°	2706.0	2656.0	2643.1	2609.2	2577.0	2531.8	2491.5	2481.8	2489.9	2480.2	2473.8
17.5°	2830.2	2773.7	2731.8	2672.1	2601.2	2548.0	2502.8	2481.8	2468.9	2449.6	2448.0
20°	2952.7	2878.6	2807.6	2712.5	2618.9	2538.3	2464.1	2409.3	2362.5	2333.5	2322.2
22.5°	3094.6	2985.0	2870.5	2736.6	2602.8	2480.2	2349.6	2256.1	2175.4	2148.0	2135.1
25°	3246.2	3104.3	2933.4	2759.2	2548.0	2351.2	2173.8	2035.1	1928.7	1893.2	1878.7
27.5°	3413.9	3218.8	2997.9	2754.4	2435.1	2167.4	1931.9	1759.4	1654.6	1622.3	1633.6
30°	3626.8	3367.2	3078.5	2704.4	2265.8	1909.4	1633.6	1488.5	1409.4	1378.8	1380.4
32.5°	3910.6	3580.0	3196.2	2598.0	2048.0	1615.9	1374.0	1267.5	1214.3	1174.0	1170.8
35°	4317.0	3904.2	3305.9	2427.0	1783.6	1354.6	1178.8	1095.0	1020.8	974.0	982.1
37.5°	4804.0	4312.2	3365.6	2196.4	1486.8	1151.4	1032.1	946.6	862.8	793.4	801.5
40°	5381.4	4846.0	3360.7	1893.2	1215.9	1012.7	909.5	809.5	704.7	641.8	648.3
42.5°	6024.8	5350.7	3255.9	1572.3	1007.9	899.8	791.8	666.0	564.4	525.7	527.3
45°	6582.8	5760.3	3072.1	1240.1	848.2	790.2	669.2	540.2	495.1	467.7	466.1
47.5°	6995.6	6060.3	2809.2	975.6	719.2	690.2	549.9	483.8	448.3	425.7	422.5
50°	7226.2	6165.1	2518.9	764.4	608.0	585.4	491.9	438.6	414.4	399.9	396.7
52.5°	7535.8	6290.9	2310.9	603.1	509.6	479.0	453.2	408.0	391.9	380.6	375.7
55°	8026.1	6534.4	2130.3	479.0	424.1	417.7	427.3	390.3	380.6	362.8	356.4
57.5°	7564.9	5870.0	1654.6	370.9	358.0	382.2	412.8	372.5	348.3	332.2	325.8
60°	5323.3	3902.6	832.1	298.3	319.3	358.0	388.6	337.0	312.9	316.1	312.9
62.5°	2935.0	1952.9	374.1	250.0	277.4	316.1	332.2	291.9	275.8	303.2	308.0
65°	959.5	664.4	216.1	193.5	219.3	258.0	287.0	277.4	274.1	306.4	316.1
67.5°	295.1	219.3	146.7	138.7	151.6	190.3	241.9	299.9	322.5	332.2	337.0
70°	220.9	172.6	125.8	117.7	124.2	145.1	204.8	250.0	235.4	237.1	233.8
72.5°	177.4	137.1	108.0	103.2	103.2	100.0	108.0	135.5	153.2	161.3	161.3
75°	124.2	96.8	82.2	75.8	59.7	48.4	43.5	43.5	38.7	37.1	35.5
77.5°	41.9	35.5	32.3	25.8	17.7	14.5	12.9	11.3	8.1	4.8	3.2
80°	6.5	4.8	3.2	3.2	3.2	1.6	1.6	1.6	0.0	0.0	0.0
82.5°	3.2	3.2	3.2	3.2	3.2	1.6	1.6	0.0	0.0	0.0	0.0
85°	3.2	3.2	3.2	3.2	3.2	1.6	1.6	0.0	0.0	0.0	0.0
87.5°	3.2	3.2	3.2	3.2	1.6	1.6	1.6	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)