

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: P635746

Luminaire Tested: GWS-SA3E-735-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635746
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13393.9 lumens
Efficiency: N/A
Efficacy: 84.1 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

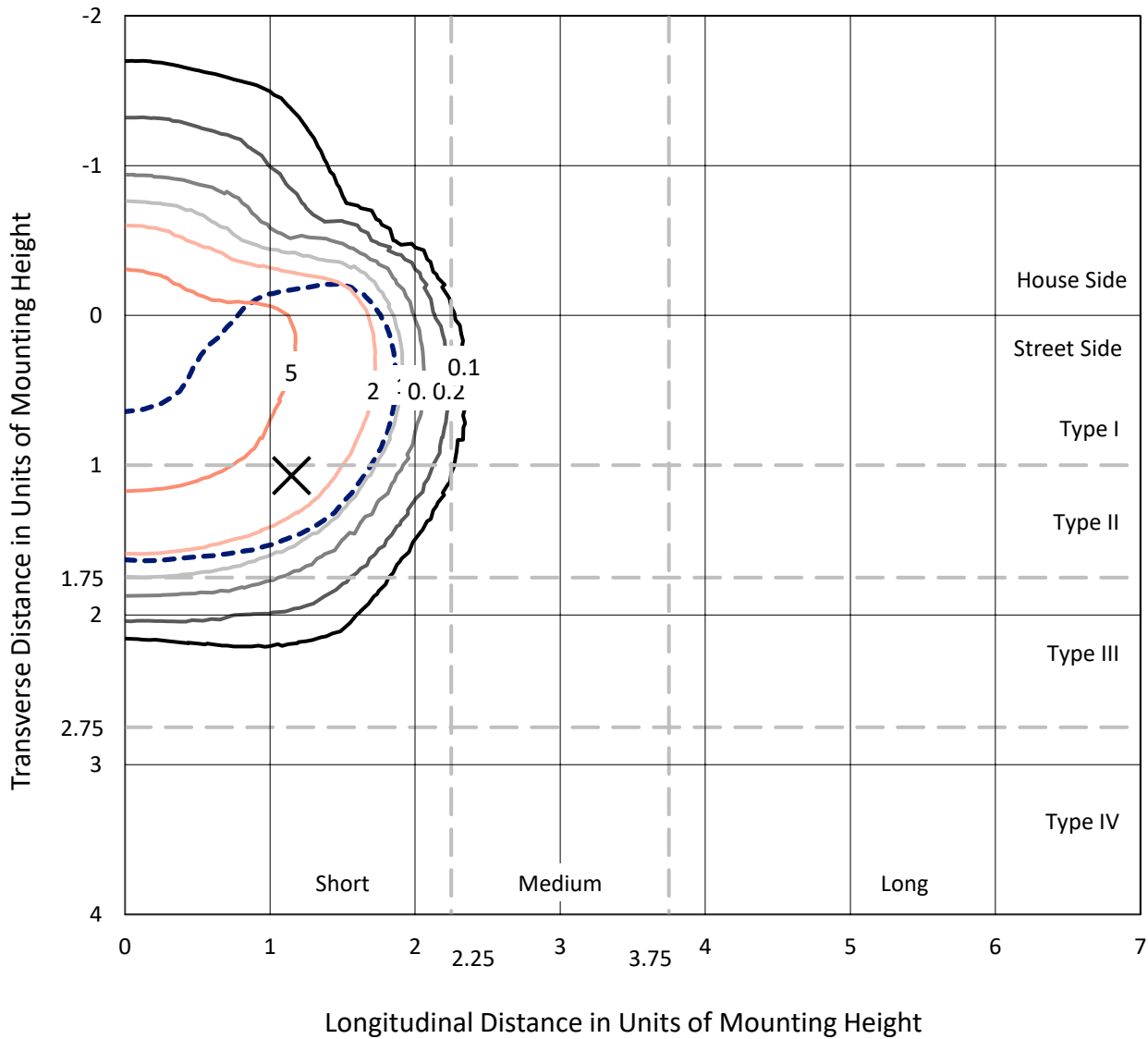
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

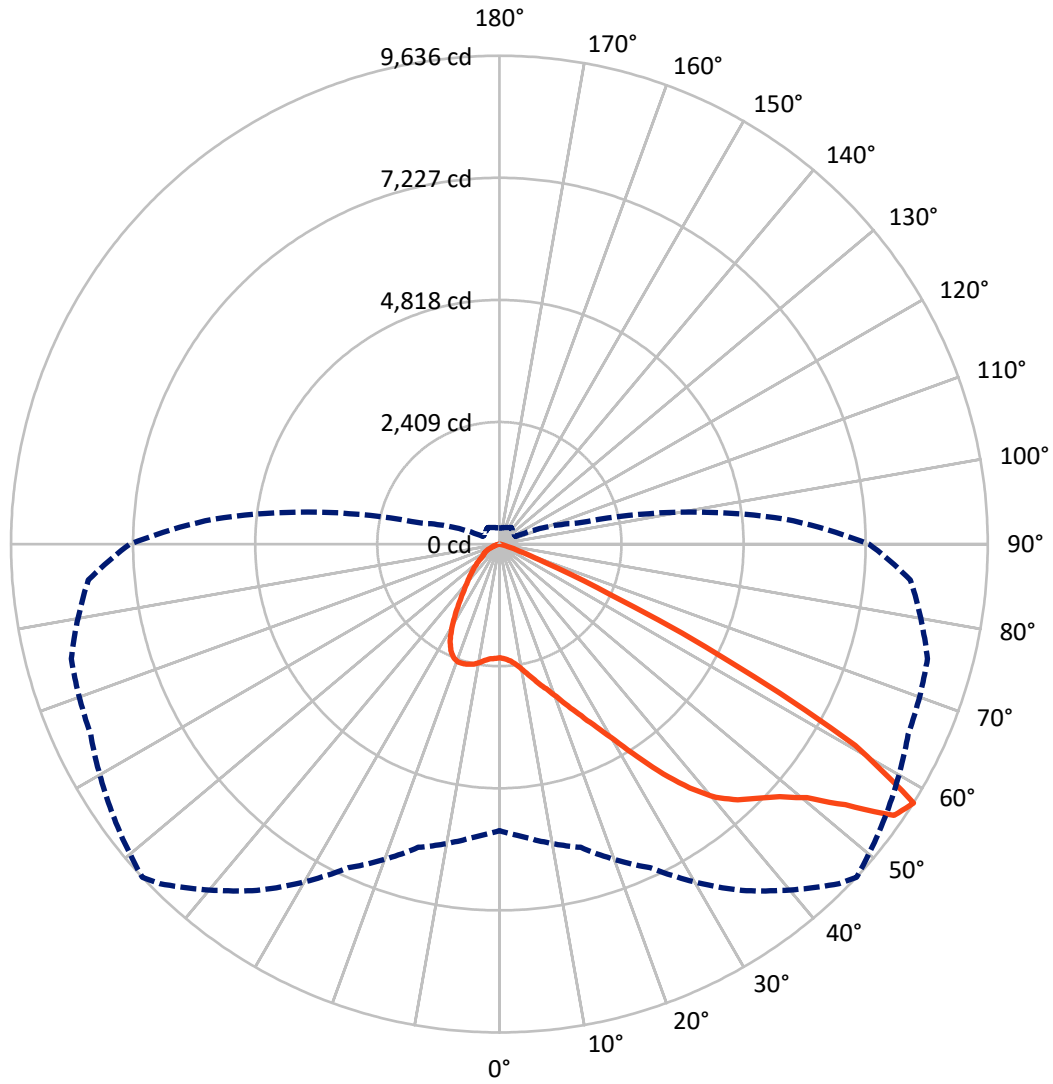
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.9 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	2905.8	0.0	2905.8
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	10488.1	0.0	10488.1
	% Fixture	78.3	0.0	78.3
Total	Lumens	13393.9	0.0	13393.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.1	1.7
10°-20°	752.7	5.6
20°-30°	1397.6	10.4
30°-40°	2237.2	16.7
40°-50°	3270.3	24.4
50°-60°	4036.1	30.1
60°-70°	1348.6	10.1
70°-80°	125.7	0.9
80°-90°	2.6	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°	13393.9	100.0
0°-180°	13393.9	100.0

Coefficient of Utilization



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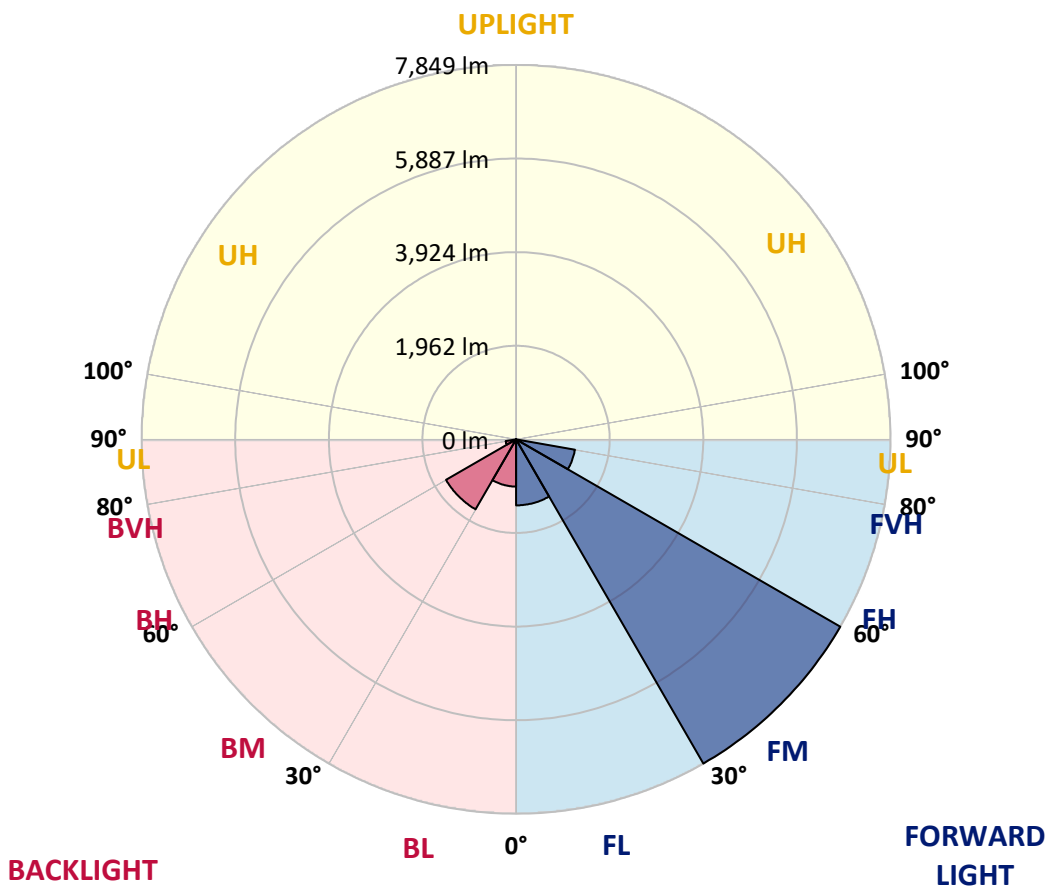
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1384.2	10.3			
FM (30°-60°)	7848.7	58.6			
FH (60°-80°)	1253.4	9.4			G1/1800
FVH (80°-90°)	1.8	0.0			G0/10
BL (0°-30°)	989.1	7.4	B2/1000		
BM (30°-60°)	1695.0	12.7	B2/2500		
BH (60°-80°)	220.9	1.6	B1/500		G1/500
BVH (80°-90°)	0.8	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°	47°	55°	65°	75°	85°
0°	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2
2.5°	2265.5	2263.9	2262.4	2271.7	2268.6	2267.0	2270.1	2270.1	2270.1	2260.8	2242.2
5°	2319.9	2319.9	2318.3	2327.7	2319.9	2315.2	2316.8	2316.8	2310.6	2293.5	2270.1
7.5°	2405.4	2402.3	2399.2	2408.5	2400.8	2399.2	2402.3	2393.0	2382.1	2354.1	2321.5
10°	2528.3	2528.3	2523.6	2532.9	2526.7	2523.6	2523.6	2517.4	2497.2	2453.6	2405.4
12.5°	2697.7	2690.0	2679.1	2671.3	2668.2	2666.6	2668.2	2658.9	2637.1	2581.1	2514.3
15°	2882.8	2876.5	2859.4	2847.0	2829.9	2826.8	2836.1	2828.3	2806.6	2730.4	2635.5
17.5°	3116.0	3123.8	3080.2	3053.8	3004.0	3000.9	3004.0	3016.5	3000.9	2903.0	2764.6
20°	3315.0	3321.2	3288.6	3269.9	3224.8	3204.6	3210.9	3231.1	3214.0	3098.9	2906.1
22.5°	3528.0	3535.8	3501.6	3462.7	3442.5	3442.5	3465.9	3493.8	3470.5	3319.7	3067.8
25°	3783.1	3789.3	3761.3	3710.0	3674.2	3719.3	3753.5	3828.1	3789.3	3584.0	3259.1
27.5°	4075.4	4076.9	4036.5	3983.6	3965.0	4048.9	4083.1	4198.2	4182.7	3881.0	3461.2
30°	4387.9	4389.5	4380.1	4344.4	4327.3	4437.7	4484.3	4650.7	4639.8	4249.5	3736.4
32.5°	4712.9	4712.9	4730.0	4726.9	4747.1	4927.5	5002.1	5191.8	5180.9	4700.4	4078.5
35°	5039.4	5041.0	5070.5	5145.1	5229.1	5468.6	5566.5	5796.6	5771.8	5240.0	4515.4
37.5°	5411.0	5395.5	5435.9	5547.9	5734.4	6011.2	6104.5	6323.7	6295.8	5792.0	5086.0
40°	5858.8	5830.8	5830.8	5961.5	6172.9	6491.7	6571.0	6679.8	6585.0	6238.2	5645.8
42.5°	6353.3	6326.9	6292.6	6407.7	6585.0	6833.7	6899.1	6869.5	6791.8	6659.6	6283.3
45°	6854.0	6813.5	6836.9	6906.8	7009.4	7127.6	7152.5	7015.7	6979.9	7017.2	6810.4
47.5°	7234.9	7206.9	7264.5	7362.4	7446.4	7463.5	7446.4	7256.7	7253.6	7385.7	7175.8
50°	7362.4	7365.5	7524.1	7738.7	7874.0	7888.0	7864.6	7647.0	7617.4	7656.3	7373.3
52.5°	7374.8	7387.3	7619.0	8027.9	8396.4	8564.3	8545.7	8310.9	8021.7	7979.7	7671.8
55°	7074.8	7147.8	7471.3	8068.3	8852.0	9388.4	9450.6	9001.3	8572.1	8536.4	8314.0
57.5°	5655.1	5804.4	6194.7	7045.2	8343.5	9474.0	9635.7	9312.2	8897.1	8744.7	8141.4
60°	3380.3	3565.4	3940.1	4983.4	6350.2	7786.9	8065.2	8110.3	7919.1	7479.0	6246.0
62.5°	1450.7	1435.2	1897.0	2696.2	3776.8	4949.2	5075.2	5271.1	5437.5	4977.2	3790.8
65°	497.6	541.1	752.6	1215.9	1890.7	2298.1	2410.1	2585.8	2822.1	2329.2	1388.5
67.5°	307.9	326.5	433.8	718.4	1020.0	1004.5	954.7	926.7	901.8	617.3	380.9
70°	223.9	239.5	304.8	494.5	685.7	482.0	418.3	339.0	376.3	346.7	270.6
72.5°	150.8	163.3	209.9	300.1	351.4	234.8	217.7	247.2	298.5	284.5	220.8
75°	90.2	98.0	119.7	146.2	143.0	121.3	122.8	174.1	228.6	213.0	157.0
77.5°	62.2	65.3	79.3	94.8	70.0	37.3	34.2	48.2	77.7	77.7	52.9
80°	15.5	20.2	20.2	12.4	10.9	9.3	9.3	14.0	21.8	15.5	7.8
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1	3.1	3.1
85°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1	3.1
87.5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1
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°	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2
2.5°	2253.0	2234.4	2246.8	2243.7	2253.0	2256.1	2242.2	2239.0	2240.6	2221.9	2215.7
5°	2274.8	2253.0	2259.3	2253.0	2263.9	2273.3	2268.6	2274.8	2282.6	2268.6	2262.4
7.5°	2321.5	2299.7	2298.1	2288.8	2304.3	2310.6	2309.0	2326.1	2341.7	2332.3	2323.0
10°	2402.3	2372.8	2369.7	2361.9	2366.5	2371.2	2354.1	2357.2	2371.2	2360.3	2355.7
12.5°	2501.8	2466.1	2458.3	2439.6	2439.6	2416.3	2379.0	2371.2	2382.1	2374.3	2366.5
15°	2609.1	2560.9	2548.5	2515.8	2484.7	2441.2	2402.3	2393.0	2400.8	2391.4	2385.2
17.5°	2728.8	2674.4	2634.0	2576.5	2508.0	2456.7	2413.2	2393.0	2380.5	2361.9	2360.3
20°	2847.0	2775.5	2707.1	2615.3	2525.1	2447.4	2375.9	2323.0	2277.9	2249.9	2239.0
22.5°	2983.8	2878.1	2767.7	2638.7	2509.6	2391.4	2265.5	2175.3	2097.5	2071.1	2058.7
25°	3130.0	2993.2	2828.3	2660.4	2456.7	2267.0	2096.0	1962.3	1859.6	1825.4	1811.4
27.5°	3291.7	3103.6	2890.5	2655.8	2347.9	2089.8	1862.8	1696.4	1595.3	1564.2	1575.1
30°	3497.0	3246.6	2968.3	2607.6	2184.6	1841.0	1575.1	1435.2	1359.0	1329.4	1331.0
32.5°	3770.6	3451.9	3081.8	2504.9	1974.7	1558.0	1324.8	1222.1	1170.8	1132.0	1128.9
35°	4162.4	3764.4	3187.5	2340.1	1719.7	1306.1	1136.6	1055.8	984.2	939.2	946.9
37.5°	4632.0	4157.8	3245.1	2117.8	1433.6	1110.2	995.1	912.7	831.9	765.0	772.8
40°	5188.7	4672.4	3240.4	1825.4	1172.4	976.5	877.0	780.6	679.5	618.8	625.1
42.5°	5809.1	5159.1	3139.3	1516.0	971.8	867.6	763.5	642.2	544.2	506.9	508.4
45°	6347.1	5554.1	2962.1	1195.7	817.9	761.9	645.3	520.9	477.4	450.9	449.4
47.5°	6745.1	5843.3	2708.6	940.7	693.5	665.5	530.2	466.5	432.3	410.5	407.4
50°	6967.5	5944.3	2428.7	737.0	586.2	564.4	474.2	422.9	399.6	385.6	382.5
52.5°	7266.0	6065.6	2228.2	581.5	491.3	461.8	436.9	393.4	377.8	367.0	362.3
55°	7738.7	6300.4	2054.0	461.8	408.9	402.7	412.0	376.3	367.0	349.9	343.6
57.5°	7294.0	5659.8	1595.3	357.6	345.2	368.5	398.1	359.2	335.9	320.3	314.1
60°	5132.7	3762.8	802.3	287.7	307.9	345.2	374.7	325.0	301.6	304.8	301.6
62.5°	2829.9	1883.0	360.7	241.0	267.4	304.8	320.3	281.4	265.9	292.3	297.0
65°	925.2	640.6	208.4	186.6	211.5	248.8	276.8	267.4	264.3	295.4	304.8
67.5°	284.5	211.5	141.5	133.7	146.2	183.5	233.2	289.2	311.0	320.3	325.0
70°	213.0	166.4	121.3	113.5	119.7	139.9	197.5	241.0	227.0	228.6	225.5
72.5°	171.0	132.2	104.2	99.5	99.5	96.4	104.2	130.6	147.7	155.5	155.5
75°	119.7	93.3	79.3	73.1	57.5	46.6	42.0	42.0	37.3	35.8	34.2
77.5°	40.4	34.2	31.1	24.9	17.1	14.0	12.4	10.9	7.8	4.7	3.1
80°	6.2	4.7	3.1	3.1	3.1	1.6	1.6	1.6	0.0	0.0	0.0
82.5°	3.1	3.1	3.1	3.1	3.1	1.6	1.6	0.0	0.0	0.0	0.0
85°	3.1	3.1	3.1	3.1	3.1	1.6	1.6	0.0	0.0	0.0	0.0
87.5°	3.1	3.1	3.1	3.1	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)