

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: P642238

Luminaire Tested: GWS-SA6C-740-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642238
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-740-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20845.9 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

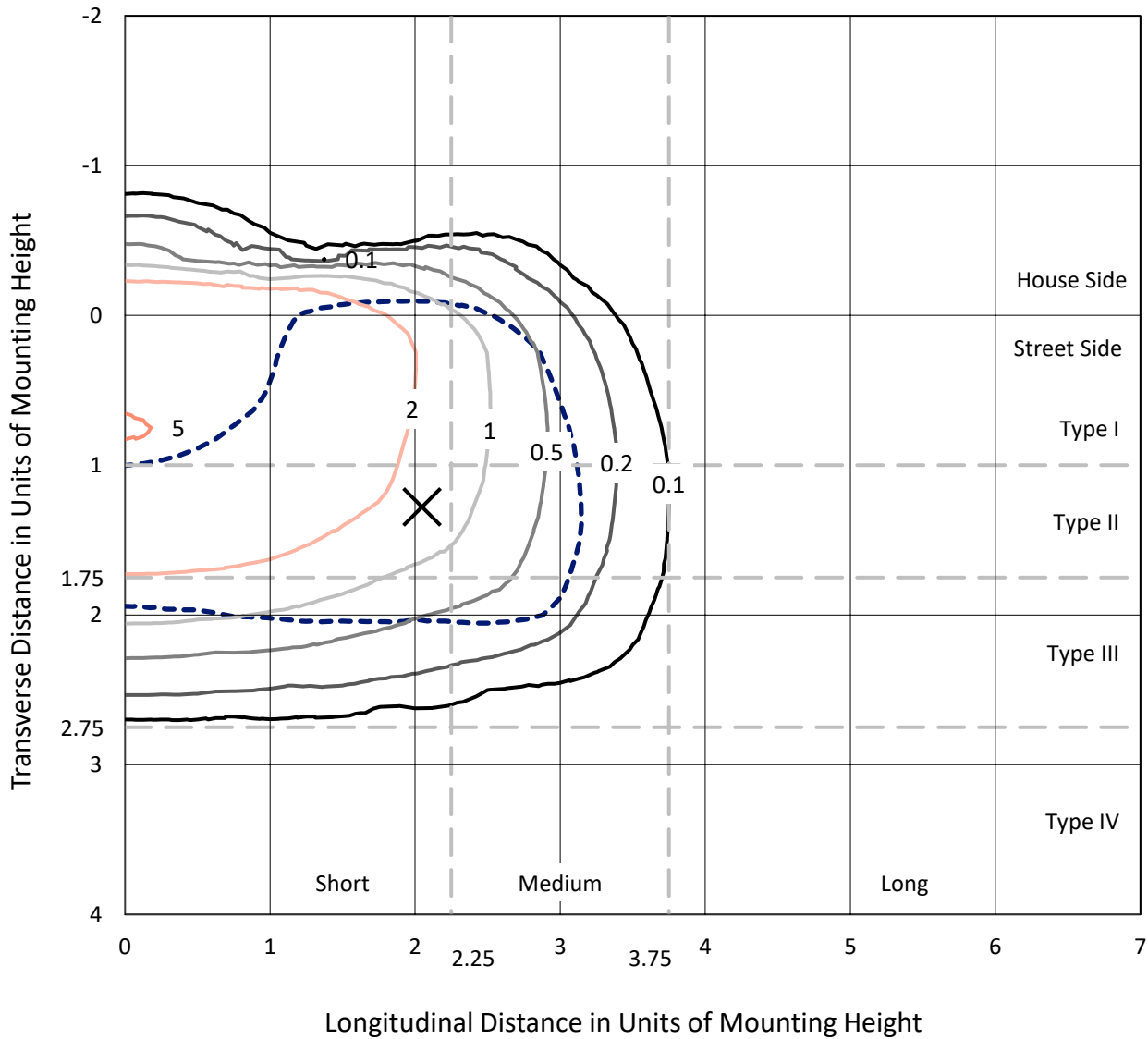
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

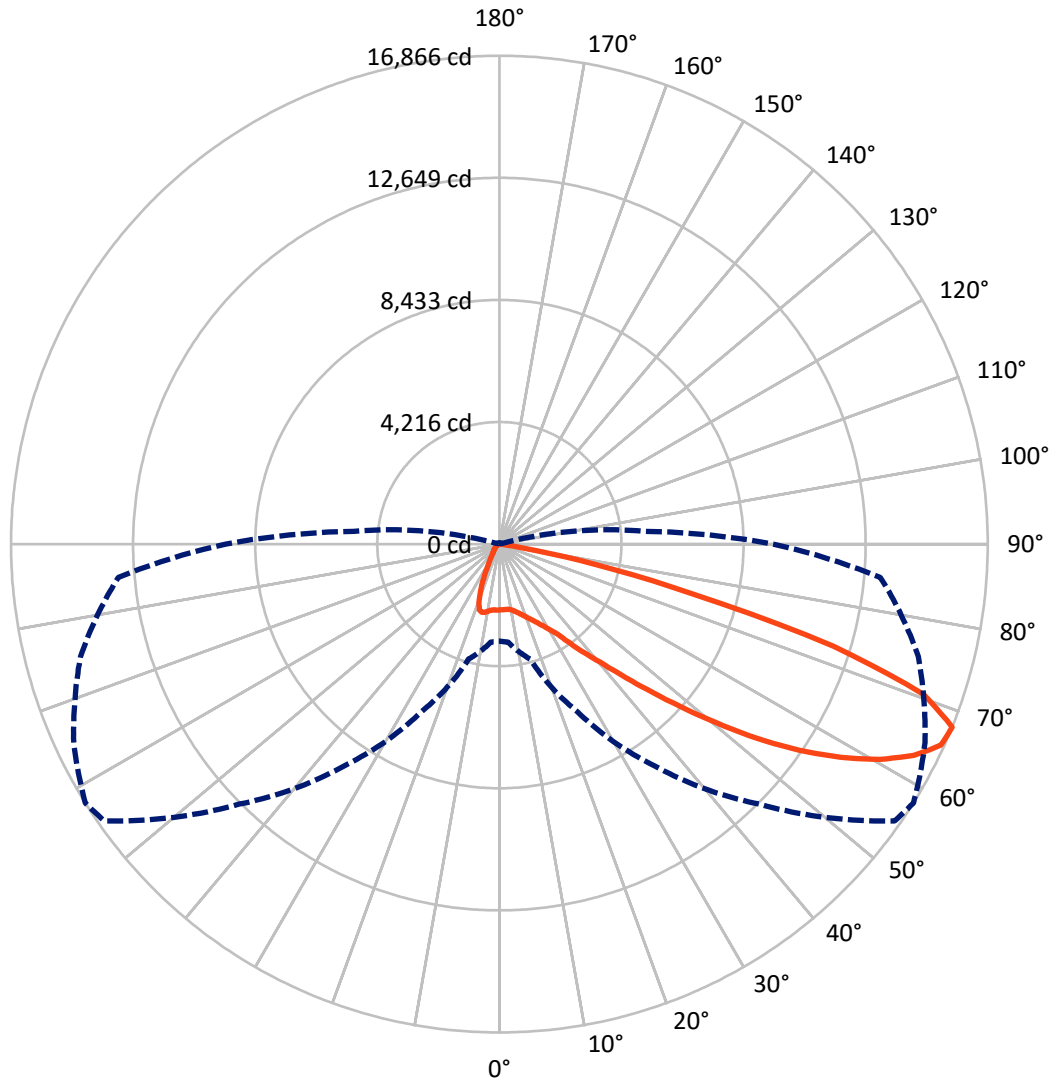
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2274.2	0.0	2274.2
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	18571.7	0.0	18571.7
	% Fixture	89.1	0.0	89.1
Total	Lumens	20845.9	0.0	20845.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.4	1.0
10°-20°	599.1	2.9
20°-30°	1045.8	5.0
30°-40°	1867.7	9.0
40°-50°	3413.7	16.4
50°-60°	5677.4	27.2
60°-70°	6166.6	29.6
70°-80°	1810.6	8.7
80°-90°	51.6	0.2
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°	20845.9	100.0
0°-180°	20845.9	100.0

Coefficient of Utilization



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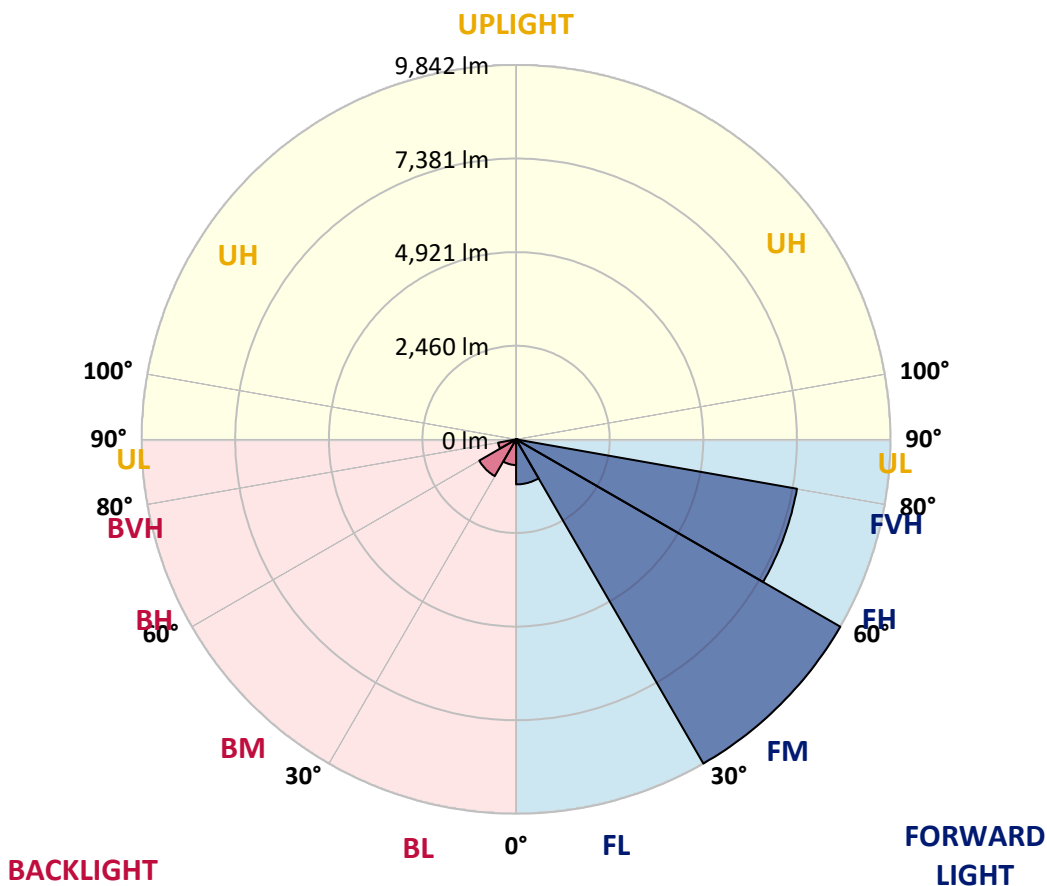
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1183.7	5.7			
FM (30°-60°)	9841.8	47.2			
FH (60°-80°)	7497.1	36.0			G3/7500
FVH (80°-90°)	49.0	0.2			G1/100
BL (0°-30°)	674.6	3.2	B2/1000		
BM (30°-60°)	1117.0	5.4	B2/2500		
BH (60°-80°)	480.1	2.3	B1/500		G1/500
BVH (80°-90°)	2.5	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-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2271.6	2271.6	2271.6	2271.6	2271.6	2271.6	2271.6	2271.6	2271.6	2271.6	2271.6
2.5°	2228.8	2224.8	2224.8	2241.0	2243.1	2251.2	2269.5	2271.6	2281.8	2277.7	2263.4
5°	2112.8	2114.8	2127.1	2155.6	2180.0	2210.5	2255.3	2265.5	2287.9	2300.1	2291.9
7.5°	2004.9	2007.0	2025.3	2070.1	2116.9	2177.9	2251.2	2271.6	2316.4	2348.9	2351.0
10°	1964.2	1962.2	1980.5	2031.4	2092.5	2177.9	2283.8	2310.3	2377.4	2434.4	2444.6
12.5°	1976.4	1974.4	1992.7	2039.5	2106.7	2214.6	2340.8	2377.4	2462.9	2550.4	2568.8
15°	2025.3	2023.3	2035.5	2074.1	2147.4	2259.4	2414.1	2469.0	2576.9	2682.7	2711.2
17.5°	2171.8	2161.7	2149.5	2153.5	2196.3	2312.3	2507.7	2574.9	2709.2	2835.4	2859.8
20°	2432.4	2405.9	2373.4	2330.6	2310.3	2389.6	2615.6	2692.9	2855.8	3000.3	3004.3
22.5°	2825.2	2815.0	2739.7	2615.6	2528.0	2530.1	2741.8	2831.3	3030.8	3189.6	3167.2
25°	3372.8	3366.7	3250.6	3047.1	2819.1	2741.8	2902.6	2994.2	3238.4	3407.4	3336.1
27.5°	4052.6	4009.9	3873.5	3598.7	3258.8	3016.6	3106.1	3187.5	3458.3	3617.0	3482.7
30°	4644.9	4647.0	4518.7	4231.7	3849.1	3429.8	3354.4	3425.7	3659.8	3826.7	3663.8
32.5°	5214.9	5233.2	5092.7	4834.2	4414.9	3969.2	3710.7	3722.9	3918.3	4099.4	3902.0
35°	5744.1	5758.3	5660.6	5440.8	5050.0	4533.0	4207.3	4201.2	4307.0	4492.3	4233.8
37.5°	6336.4	6350.7	6255.0	6057.5	5691.2	5178.2	4771.1	4763.0	4805.7	4956.4	4661.2
40°	6967.4	6993.9	6888.0	6721.1	6371.0	5937.5	5426.6	5353.3	5310.5	5487.6	5214.9
42.5°	7606.5	7647.2	7610.6	7443.7	7144.5	6786.2	6277.4	6163.4	6071.8	6293.7	6004.6
45°	8400.4	8449.2	8432.9	8304.7	8072.7	7781.6	7301.2	7168.9	7126.2	7331.7	6987.8
47.5°	9163.7	9216.6	9275.6	9247.1	9082.3	8947.9	8414.6	8339.3	8327.1	8546.9	8013.6
50°	9731.6	9780.4	10006.4	10169.2	10281.1	10252.6	9790.6	9678.6	9660.3	9800.8	9096.5
52.5°	10138.7	10185.5	10496.9	11005.8	11416.9	11640.8	11174.7	11150.3	11050.5	11001.7	10110.2
55°	10454.2	10519.3	10847.0	11616.4	12444.8	12941.5	12650.4	12562.9	12306.4	12025.5	11050.5
57.5°	10517.3	10543.7	11005.8	12043.9	13242.7	14046.8	14046.8	13894.1	13399.5	13010.7	12137.5
60°	9951.4	10032.8	10657.7	12009.3	13584.7	14769.3	15204.9	15099.1	14431.5	13953.1	13183.7
62.5°	8695.5	8787.1	9548.4	11180.8	13242.7	14917.9	16082.2	16065.9	15312.8	14732.7	14050.8
65°	6668.2	6735.4	7398.9	9353.0	11797.6	14346.0	16709.1	16753.9	16008.9	15247.7	14350.0
67.5°	3350.4	3397.2	4113.7	6389.3	9350.9	12699.3	16666.4	16865.9	16220.6	14974.9	13208.1
70°	1170.4	1217.2	1555.1	2741.8	5691.2	9697.0	15225.3	15551.0	14977.0	12782.7	9743.8
72.5°	401.0	423.4	645.2	1017.7	2214.6	5748.2	11577.7	12068.3	11040.4	8581.5	5599.6
75°	228.0	242.2	346.0	551.6	928.2	1890.9	6568.4	6869.7	6436.1	4677.5	2304.1
77.5°	154.7	166.9	215.8	313.5	512.9	608.6	2678.7	3372.8	2941.2	1526.6	588.2
80°	91.6	99.7	132.3	185.2	262.6	236.1	574.0	763.3	983.1	455.9	177.1
82.5°	42.7	48.9	85.5	122.1	132.3	99.7	168.9	205.6	276.8	223.9	73.3
85°	0.0	0.0	28.5	50.9	48.9	28.5	46.8	50.9	75.3	112.0	28.5
87.5°	0.0	0.0	0.0	0.0	0.0	2.0	4.1	6.1	12.2	22.4	12.2
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°	2271.6	2271.6	2271.6	2271.6	2271.6	2271.6	2271.6	2271.6	2271.6	2271.6	2271.6
2.5°	2279.7	2265.5	2281.8	2273.6	2281.8	2279.7	2263.4	2253.3	2253.3	2234.9	2228.8
5°	2308.2	2294.0	2298.0	2279.7	2275.7	2265.5	2245.1	2237.0	2237.0	2218.7	2212.6
7.5°	2371.3	2348.9	2344.9	2308.2	2291.9	2263.4	2226.8	2212.6	2210.5	2192.2	2186.1
10°	2471.1	2444.6	2426.3	2379.5	2332.6	2275.7	2198.3	2133.2	2096.5	2047.7	2043.6
12.5°	2593.2	2560.6	2532.1	2460.9	2383.5	2255.3	2027.3	1789.2	1642.6	1526.6	1534.7
15°	2729.6	2699.0	2654.2	2546.4	2387.6	2053.8	1577.5	1211.1	1032.0	936.3	932.2
17.5°	2878.1	2833.4	2760.1	2613.5	2259.4	1569.3	1025.9	724.6	631.0	598.4	590.3
20°	3016.6	2961.6	2870.0	2627.8	1888.9	1062.5	641.2	561.8	545.5	535.3	535.3
22.5°	3163.1	3093.9	2957.5	2517.9	1404.5	679.8	545.5	527.2	515.0	500.7	498.7
25°	3311.7	3222.1	3036.9	2230.9	920.0	535.3	510.9	490.5	468.2	445.8	439.7
27.5°	3437.9	3321.9	3098.0	1803.4	590.3	482.4	466.1	431.5	401.0	376.6	372.5
30°	3588.5	3439.9	3124.4	1319.0	464.1	425.4	401.0	364.3	327.7	303.3	295.1
32.5°	3790.0	3627.2	3083.7	859.0	411.2	374.5	335.9	293.1	256.5	230.0	225.9
35°	4103.5	3910.1	2896.5	547.5	372.5	323.6	276.8	232.0	201.5	181.2	177.1
37.5°	4486.2	4307.0	2589.1	411.2	333.8	280.9	225.9	183.2	160.8	146.6	142.5
40°	5054.1	4803.7	2208.5	360.3	295.1	238.1	185.2	150.6	134.3	122.1	118.1
42.5°	5790.9	5389.9	1770.9	327.7	258.5	199.5	150.6	124.2	109.9	101.8	99.7
45°	6651.9	5961.9	1308.8	295.1	223.9	164.9	124.2	101.8	91.6	85.5	83.5
47.5°	7533.3	6462.6	903.7	260.5	191.3	136.4	103.8	87.5	79.4	71.2	69.2
50°	8473.6	6886.0	616.7	225.9	162.8	112.0	89.6	79.4	69.2	63.1	61.1
52.5°	9163.7	7042.7	429.5	195.4	138.4	95.7	79.4	71.2	63.1	55.0	52.9
55°	9800.8	7038.6	325.7	164.9	118.1	83.5	71.2	63.1	55.0	48.9	46.8
57.5°	10435.8	6983.7	256.5	140.4	101.8	75.3	63.1	55.0	50.9	42.7	40.7
60°	10847.0	6776.1	199.5	118.1	87.5	65.1	55.0	48.9	42.7	36.6	34.6
62.5°	11064.8	6487.0	152.7	93.6	71.2	57.0	48.9	42.7	36.6	30.5	28.5
65°	10769.7	5974.1	120.1	73.3	55.0	48.9	40.7	34.6	28.5	22.4	20.4
67.5°	9460.8	5037.8	93.6	59.0	42.7	36.6	34.6	28.5	20.4	16.3	14.2
70°	6686.5	3450.1	73.3	44.8	32.6	28.5	26.5	22.4	16.3	12.2	10.2
72.5°	3669.9	1740.3	52.9	32.6	24.4	22.4	20.4	18.3	14.2	10.2	10.2
75°	1412.6	478.3	38.7	22.4	16.3	16.3	14.2	14.2	12.2	8.1	8.1
77.5°	368.4	142.5	24.4	14.2	10.2	10.2	10.2	8.1	8.1	6.1	6.1
80°	118.1	46.8	14.2	10.2	8.1	6.1	6.1	4.1	6.1	4.1	4.1
82.5°	38.7	16.3	8.1	8.1	6.1	4.1	4.1	2.0	2.0	0.0	0.0
85°	14.2	8.1	6.1	4.1	4.1	4.1	2.0	0.0	0.0	0.0	0.0
87.5°	8.1	4.1	4.1	4.1	4.1	2.0	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)