

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: P634900

Luminaire Tested: GWS-SA3C-760-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634900
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-760-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11398.5 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

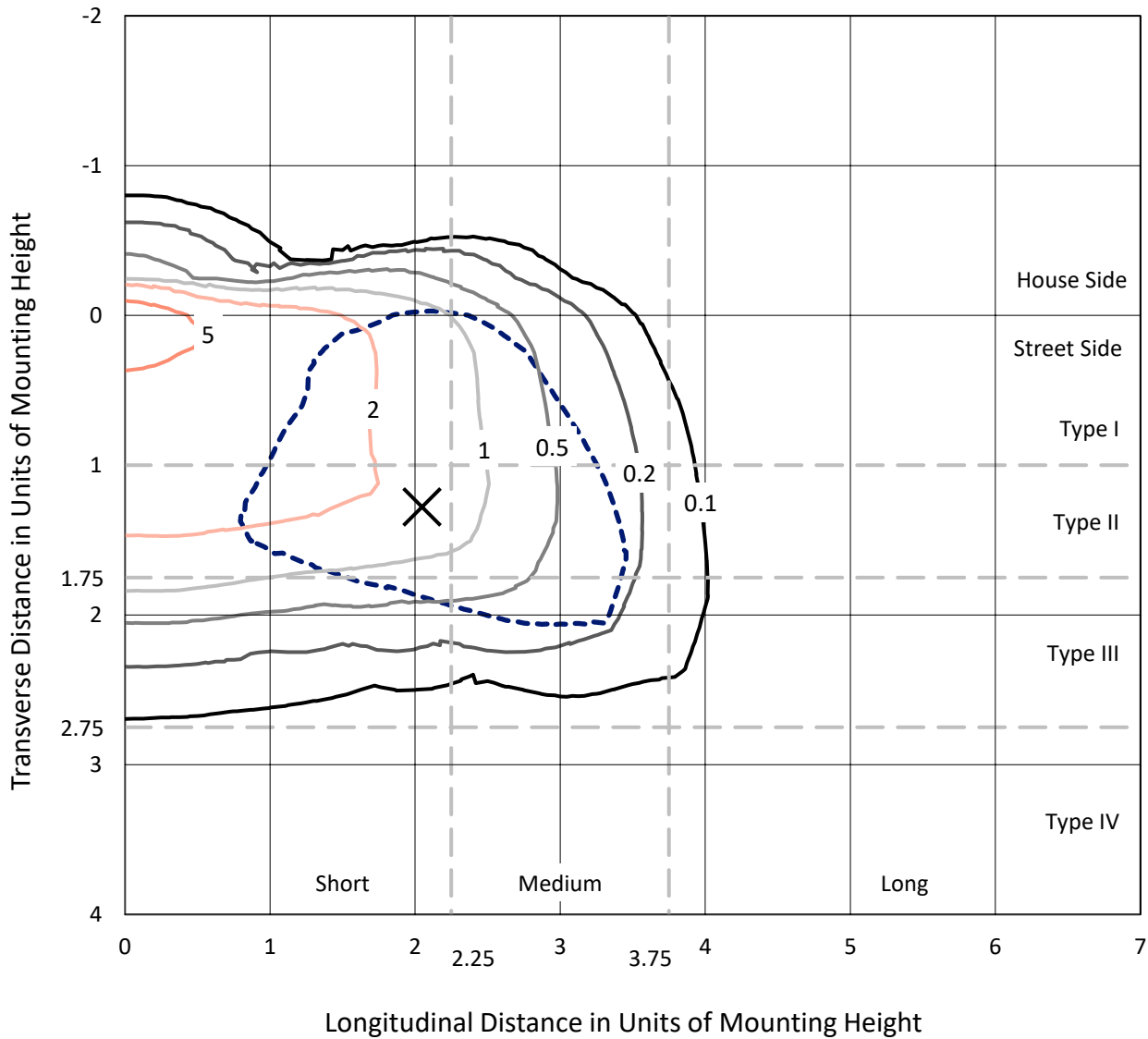
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

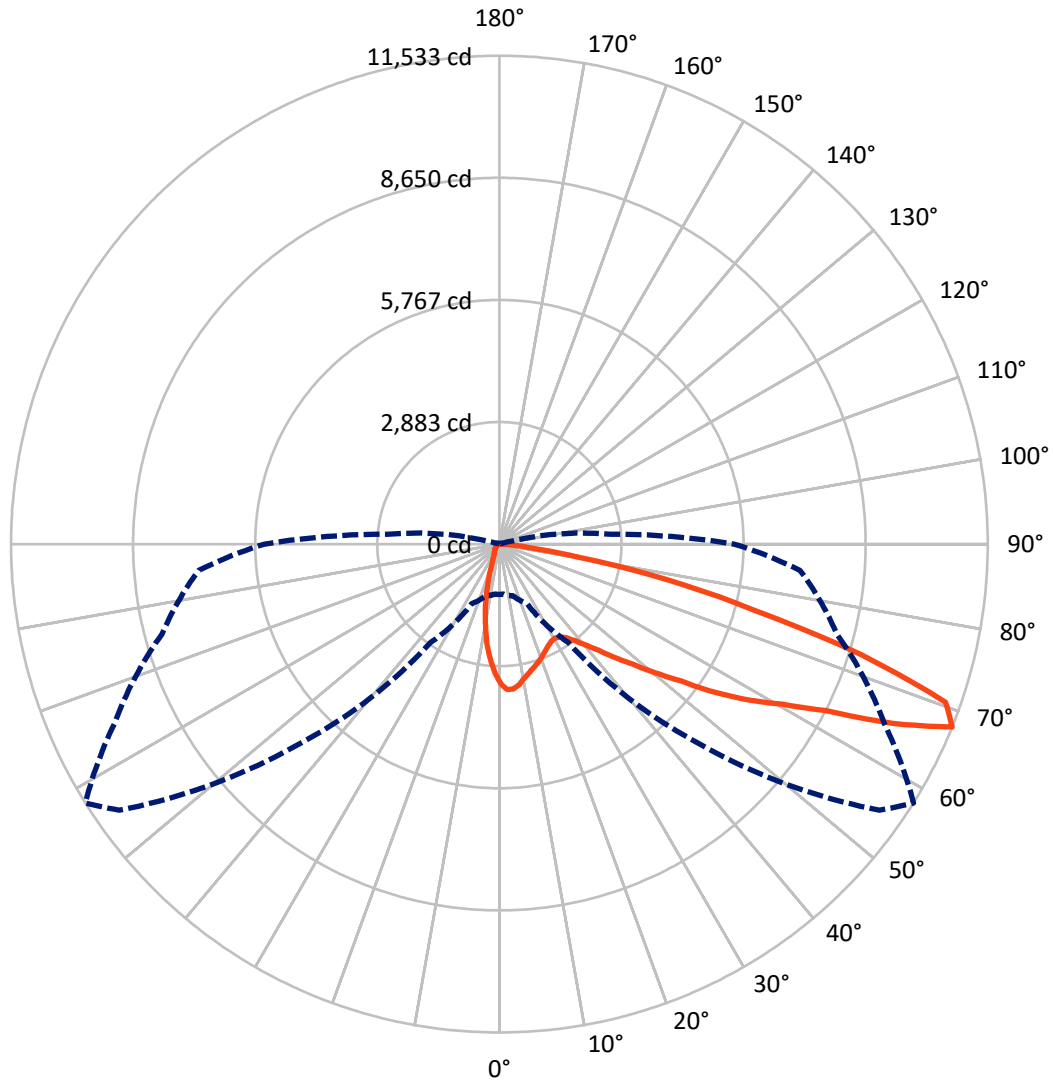
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.2 fc
 Type 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	1113.6	0.0	1113.6
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	10284.9	0.0	10284.9
	% Fixture	90.2	0.0	90.2
Total	Lumens	11398.5	0.0	11398.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.2	2.3
10°-20°	556.2	4.9
20°-30°	750.0	6.6
30°-40°	1053.9	9.2
40°-50°	1627.7	14.3
50°-60°	2602.9	22.8
60°-70°	3082.0	27.0
70°-80°	1363.4	12.0
80°-90°	95.3	0.8
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°	11398.5	100.0
0°-180°	11398.5	100.0

Coefficient of Utilization



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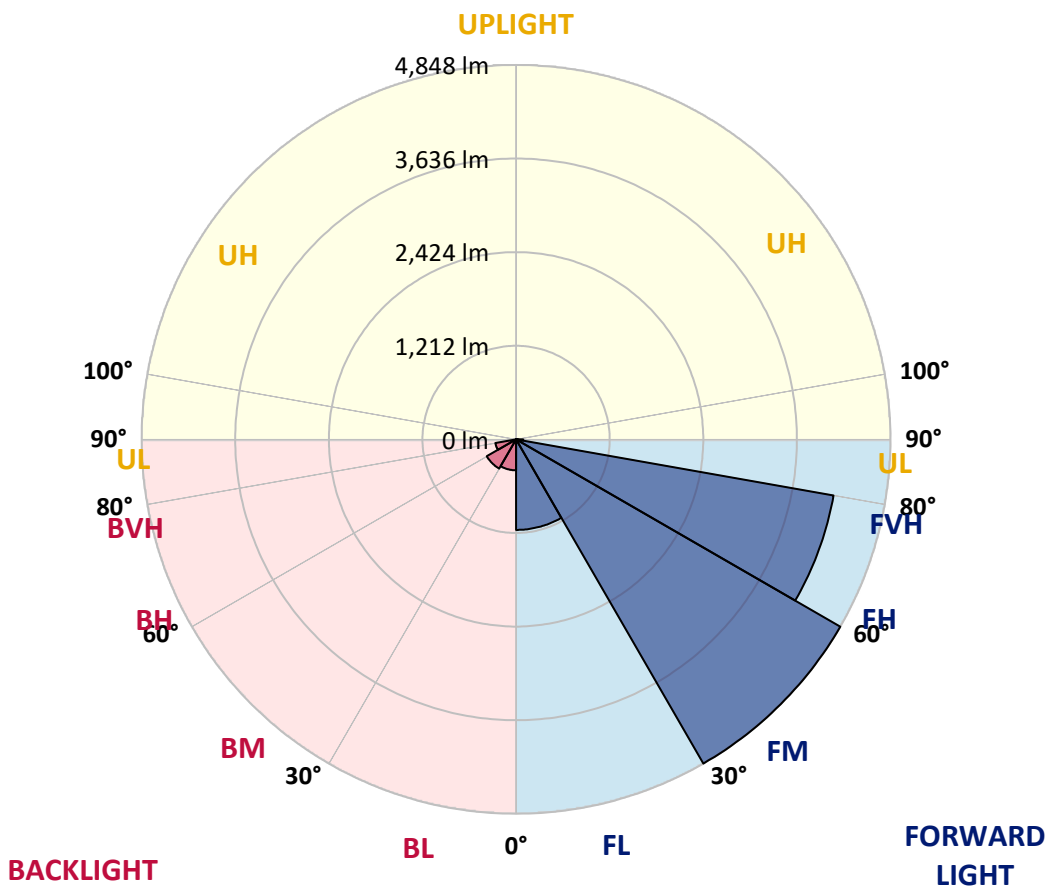
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1172.6	10.3			
FM (30°-60°)	4847.5	42.5			
FH (60°-80°)	4173.5	36.6			G2/5000
FVH (80°-90°)	91.3	0.8			G1/100
BL (0°-30°)	400.7	3.5	B1/500		
BM (30°-60°)	436.9	3.8	B1/1000		
BH (60°-80°)	271.9	2.4	B1/500		G1/500
BVH (80°-90°)	4.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3287.9	3287.9	3287.9	3287.9	3287.9	3287.9	3287.9	3287.9	3287.9	3287.9	3287.9
2.5°	3458.4	3464.4	3472.5	3482.6	3480.6	3471.5	3460.4	3435.2	3419.0	3368.6	3307.0
5°	3347.4	3346.4	3366.6	3385.7	3420.0	3438.2	3463.4	3440.2	3432.1	3371.6	3271.7
7.5°	3130.5	3141.6	3164.8	3195.0	3244.5	3298.0	3358.5	3351.4	3375.6	3335.3	3211.2
10°	2917.6	2911.6	2947.9	2993.3	3068.9	3137.5	3225.3	3224.3	3287.9	3283.8	3142.6
12.5°	2731.0	2730.0	2758.2	2809.7	2898.4	2994.3	3113.3	3116.4	3195.0	3227.3	3084.1
15°	2573.6	2575.6	2602.8	2656.3	2748.1	2865.2	3003.4	3028.6	3117.4	3182.9	3026.6
17.5°	2461.6	2462.6	2478.8	2525.2	2615.0	2740.1	2906.5	2940.8	3054.8	3149.6	2980.2
20°	2410.2	2406.1	2409.1	2432.4	2502.0	2616.0	2807.6	2852.0	2997.3	3126.4	2937.8
22.5°	2417.2	2411.2	2397.0	2394.0	2425.3	2512.1	2702.7	2757.2	2934.8	3112.3	2899.5
25°	2479.8	2466.7	2446.5	2416.2	2404.1	2447.5	2610.9	2667.4	2876.2	3113.3	2870.2
27.5°	2575.6	2561.5	2536.3	2495.9	2448.5	2430.3	2548.4	2601.8	2834.9	3136.5	2856.1
30°	2697.7	2686.6	2662.4	2613.9	2550.4	2475.7	2535.3	2579.6	2814.7	3184.0	2862.1
32.5°	2841.9	2833.9	2813.7	2769.3	2696.7	2582.7	2579.6	2613.9	2830.9	3252.6	2885.3
35°	2981.2	2984.2	2985.2	2961.0	2883.3	2745.1	2701.7	2713.8	2897.4	3355.5	2937.8
37.5°	3131.5	3124.4	3160.7	3177.9	3103.2	2955.9	2890.4	2891.4	3024.6	3507.8	3036.7
40°	3245.5	3247.5	3326.2	3396.8	3365.5	3223.3	3129.5	3128.5	3220.3	3716.6	3196.1
42.5°	3352.4	3365.5	3481.6	3602.6	3646.0	3519.9	3452.3	3427.1	3494.7	3999.1	3435.2
45°	3466.4	3485.6	3648.0	3820.5	3934.5	3859.9	3806.4	3816.5	3824.6	4328.0	3757.0
47.5°	3599.6	3611.7	3812.5	4055.6	4268.5	4249.3	4252.3	4240.2	4236.2	4742.6	4182.7
50°	3761.0	3789.3	4020.3	4310.8	4601.4	4728.5	4770.9	4775.9	4710.3	5194.6	4623.6
52.5°	4104.0	4138.3	4336.1	4590.3	4964.6	5231.9	5404.4	5370.1	5269.3	5632.4	5106.8
55°	4508.6	4534.8	4725.5	4988.8	5408.5	5783.8	6193.4	6179.2	5932.1	6093.5	5504.3
57.5°	4546.9	4576.2	4871.8	5275.3	5978.5	6465.8	6896.5	6941.9	6579.8	6420.4	5859.4
60°	4116.1	4175.7	4579.2	5122.0	6196.4	7382.8	7667.3	7676.4	7054.9	6752.3	6293.2
62.5°	3299.0	3327.2	3733.8	4442.0	5860.4	7917.5	8844.6	8653.0	7665.3	7265.8	6980.3
65°	1729.2	1844.2	2198.3	2982.2	4752.7	7730.9	10261.1	10208.6	8762.9	8001.2	7515.0
67.5°	1186.4	1185.4	1269.1	1554.6	2833.9	6656.4	10956.2	11533.2	10032.1	8253.5	7127.6
70°	902.9	906.0	980.6	1166.2	1467.9	4430.9	10193.5	11180.1	10268.1	7493.8	5764.6
72.5°	599.3	605.3	729.4	942.3	1172.3	2172.1	7921.5	8945.5	8639.8	6018.8	4057.6
75°	358.1	363.2	452.0	685.0	1042.1	1215.7	5033.2	6184.3	5947.2	4148.4	2175.1
77.5°	147.3	151.3	232.0	426.7	762.7	944.3	2783.4	4046.5	3562.3	1649.5	594.2
80°	61.5	63.6	112.0	298.6	549.8	592.2	1289.3	1901.7	1459.8	355.1	181.6
82.5°	22.2	23.2	41.4	164.4	342.0	445.9	650.7	751.6	411.6	116.0	97.9
85°	1.0	1.0	10.1	55.5	130.1	126.1	372.3	360.2	136.2	48.4	58.5
87.5°	0.0	0.0	1.0	1.0	2.0	5.0	35.3	62.5	29.3	12.1	25.2
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°	3287.9	3287.9	3287.9	3287.9	3287.9	3287.9	3287.9	3287.9	3287.9	3287.9	3287.9
2.5°	3266.7	3213.2	3154.7	3100.2	3013.5	2962.0	2898.4	2870.2	2829.8	2819.8	2825.8
5°	3200.1	3108.3	2968.1	2840.9	2676.5	2544.3	2411.2	2354.7	2282.0	2233.6	2213.4
7.5°	3106.3	2986.2	2767.3	2536.3	2310.3	2069.2	1885.6	1764.5	1654.5	1594.0	1581.9
10°	3011.4	2855.1	2541.3	2210.4	1860.3	1571.8	1323.6	1140.0	990.7	923.1	870.6
12.5°	2913.6	2718.9	2311.3	1879.5	1472.9	1079.5	772.8	594.2	487.3	444.9	452.0
15°	2823.8	2587.7	2083.3	1548.6	1037.1	651.7	426.7	360.2	334.9	326.9	325.9
17.5°	2738.0	2463.6	1856.3	1226.8	684.0	399.5	326.9	310.7	303.7	299.6	299.6
20°	2660.4	2344.6	1634.3	924.1	441.9	316.8	295.6	287.5	281.5	278.4	278.4
22.5°	2587.7	2229.6	1417.4	653.7	325.9	284.5	271.4	263.3	256.2	252.2	252.2
25°	2522.1	2125.7	1210.6	449.9	280.5	260.3	246.2	237.1	225.0	217.9	217.9
27.5°	2474.7	2032.8	1011.9	327.9	253.2	234.1	217.9	205.8	192.7	184.6	182.6
30°	2446.5	1954.2	811.1	269.4	228.0	208.8	190.7	175.5	160.4	152.3	151.3
32.5°	2430.3	1881.5	627.5	235.1	206.8	184.6	164.4	148.3	133.2	124.1	123.1
35°	2436.4	1825.0	470.1	211.9	186.6	163.4	141.2	125.1	112.0	103.9	101.9
37.5°	2488.8	1799.8	353.1	193.7	169.5	145.3	122.1	106.9	94.8	88.8	87.8
40°	2590.7	1804.8	277.4	179.6	155.4	127.1	104.9	90.8	81.7	76.7	75.7
42.5°	2749.1	1847.2	229.0	167.5	140.2	111.0	90.8	79.7	70.6	65.6	64.6
45°	2985.2	1935.0	199.8	153.3	124.1	95.8	78.7	68.6	60.5	54.5	53.5
47.5°	3327.2	2087.3	180.6	140.2	110.0	82.7	67.6	57.5	50.4	45.4	44.4
50°	3691.4	2269.9	164.4	127.1	97.9	71.6	57.5	47.4	41.4	36.3	35.3
52.5°	4079.8	2466.7	152.3	115.0	86.8	61.5	48.4	39.3	33.3	28.2	27.2
55°	4453.1	2664.4	138.2	106.9	73.6	52.5	40.4	32.3	26.2	22.2	22.2
57.5°	4816.3	2846.0	123.1	93.8	60.5	44.4	33.3	26.2	21.2	18.2	17.2
60°	5250.1	3097.2	105.9	79.7	50.4	37.3	27.2	21.2	17.2	14.1	14.1
62.5°	5894.7	3358.5	90.8	66.6	42.4	31.3	22.2	17.2	14.1	12.1	11.1
65°	6105.6	3217.2	76.7	54.5	34.3	25.2	18.2	15.1	12.1	11.1	10.1
67.5°	5542.7	2637.2	63.6	44.4	28.2	21.2	16.1	13.1	11.1	10.1	9.1
70°	4325.0	1871.4	49.4	33.3	23.2	17.2	14.1	12.1	10.1	9.1	9.1
72.5°	2941.8	1106.7	39.3	25.2	19.2	15.1	12.1	11.1	10.1	9.1	8.1
75°	1448.7	393.5	30.3	19.2	15.1	13.1	11.1	10.1	9.1	8.1	8.1
77.5°	390.4	109.0	23.2	15.1	12.1	10.1	10.1	10.1	9.1	7.1	7.1
80°	132.2	45.4	17.2	11.1	10.1	8.1	7.1	9.1	8.1	7.1	6.1
82.5°	72.6	22.2	12.1	9.1	7.1	6.1	6.1	6.1	6.1	5.0	5.0
85°	46.4	12.1	8.1	7.1	7.1	5.0	4.0	4.0	3.0	3.0	3.0
87.5°	21.2	7.1	7.1	6.1	6.1	5.0	3.0	2.0	1.0	1.0	1.0
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)