

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: P637292

Luminaire Tested: GWS-SA4C-740-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637292
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-740-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15195.9 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

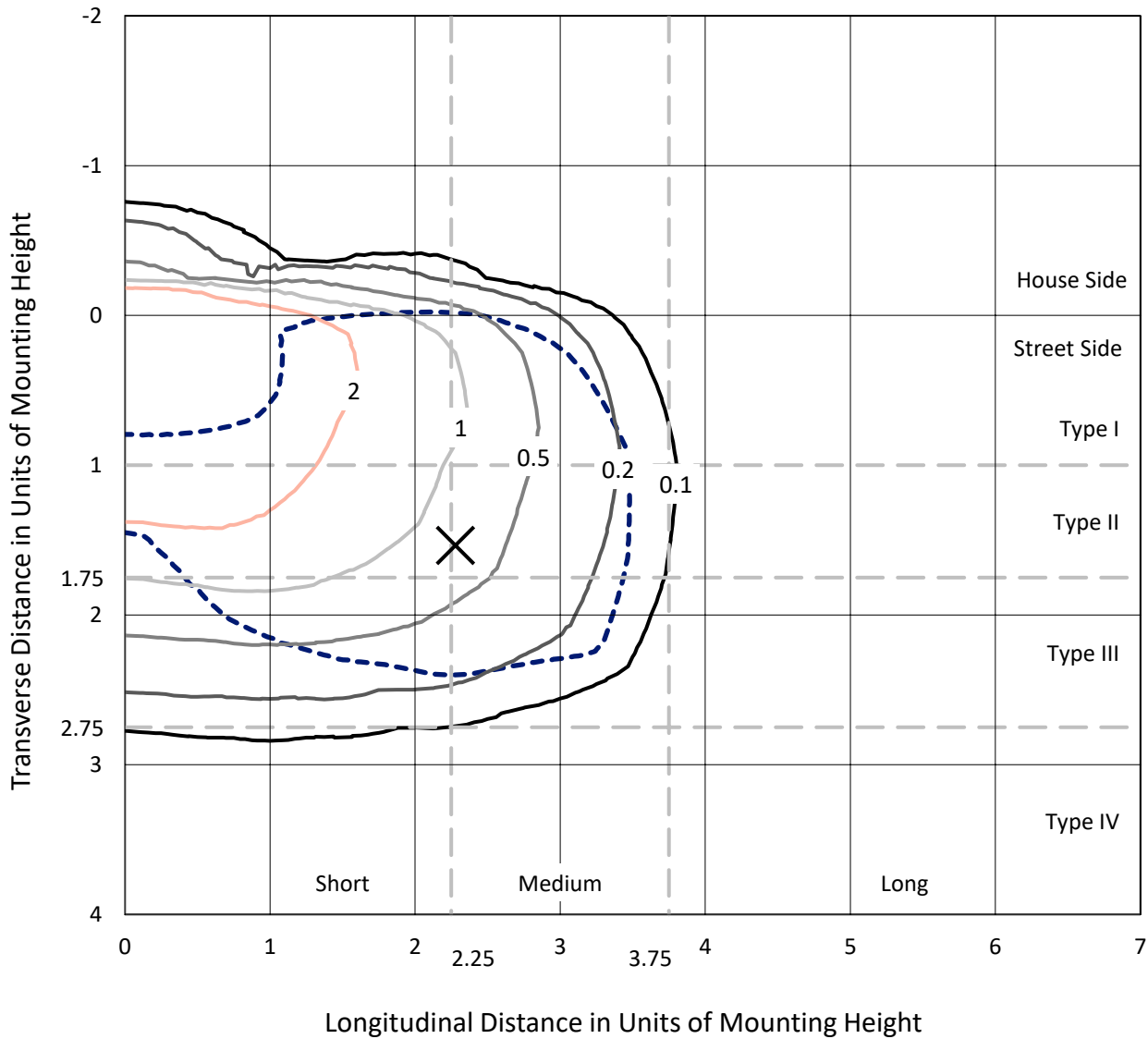
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637292
 CATALOG NUMBER: GWS-SA4C-740-U-T3R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

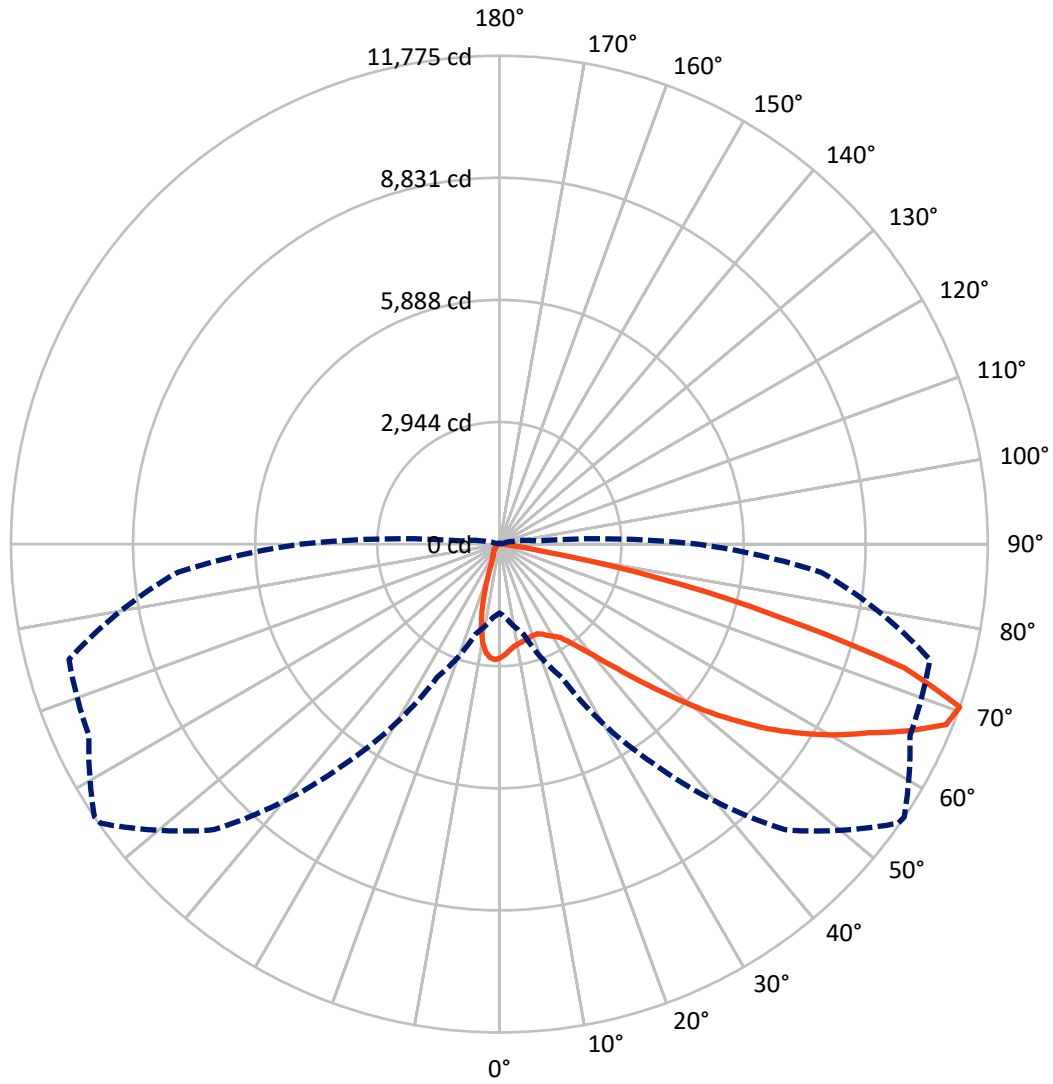
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P637292
CATALOG NUMBER: GWS-SA4C-740-U-T3R-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P637292
 CATALOG NUMBER: GWS-SA4C-740-U-T3R-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1364.9	0.0	1364.9
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	13831.0	0.0	13831.0
	% Fixture	91.0	0.0	91.0
Total	Lumens	15195.9	0.0	15195.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.2	1.5
10°-20°	529.1	3.5
20°-30°	838.1	5.5
30°-40°	1445.3	9.5
40°-50°	2440.6	16.1
50°-60°	3586.1	23.6
60°-70°	4251.5	28.0
70°-80°	1813.0	11.9
80°-90°	56.9	0.4
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°	15195.9	100.0
0°-180°	15195.9	100.0

Coefficient of Utilization



REPORT NUMBER: P637292

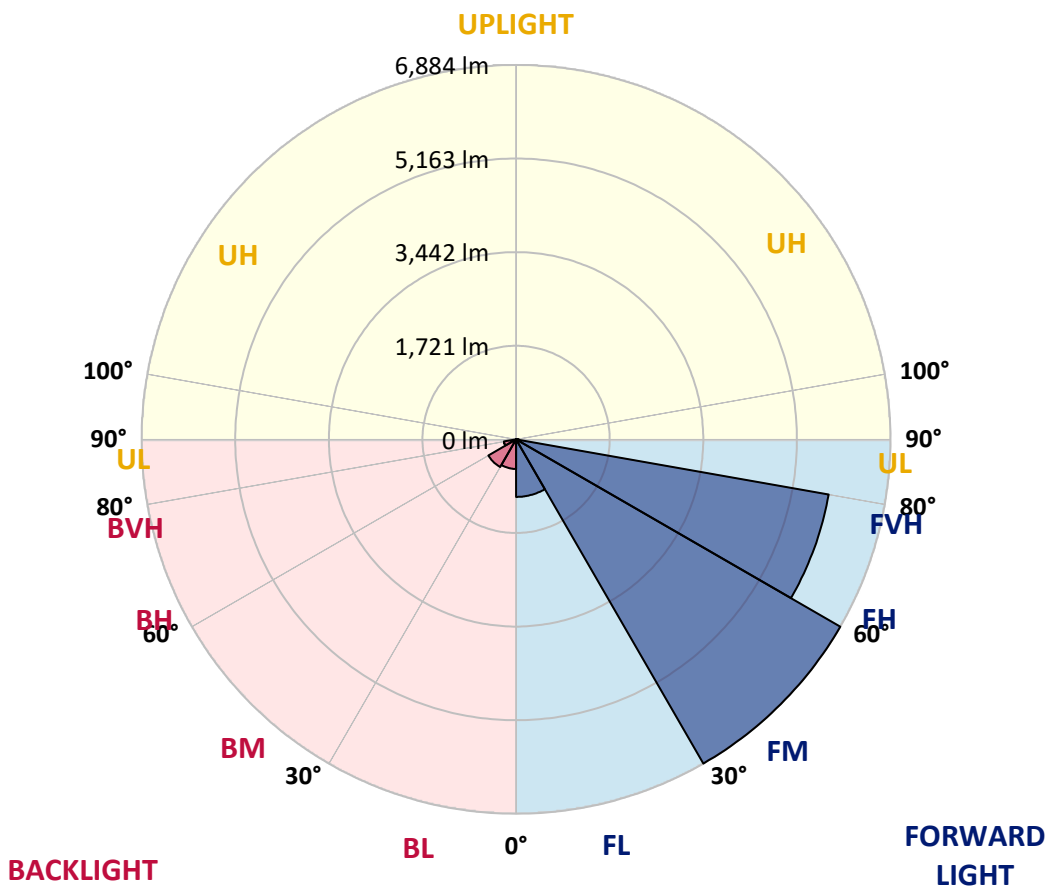
CATALOG NUMBER: GWS-SA4C-740-U-T3R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1058.9	7.0			
FM (30°-60°)	6884.1	45.3			
FH (60°-80°)	5836.8	38.4			G3/7500
FVH (80°-90°)	51.1	0.3			G1/100
BL (0°-30°)	543.6	3.6	B2/1000		
BM (30°-60°)	587.9	3.9	B1/1000		
BH (60°-80°)	227.6	1.5	B1/500		G1/500
BVH (80°-90°)	5.8	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-G3

Type III Medium





REPORT NUMBER: P637292

CATALOG NUMBER: GWS-SA4C-740-U-T3R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2740.0	2740.0	2740.0	2740.0	2740.0	2740.0	2740.0	2740.0	2740.0	2740.0	2740.0
2.5°	2550.7	2546.5	2549.3	2570.2	2609.2	2627.3	2657.9	2663.4	2688.5	2720.5	2733.0
5°	2385.1	2371.2	2378.2	2407.4	2451.9	2502.0	2559.1	2574.4	2637.0	2708.0	2760.8
7.5°	2233.4	2218.1	2234.8	2280.8	2343.4	2397.7	2482.5	2492.3	2592.5	2717.7	2813.7
10°	1995.5	1999.7	2033.1	2113.8	2209.8	2322.5	2436.6	2450.5	2574.4	2749.7	2898.6
12.5°	1813.2	1803.5	1839.6	1931.5	2066.5	2230.7	2401.8	2419.9	2575.8	2798.4	3007.2
15°	1728.3	1725.5	1740.8	1807.6	1938.4	2131.9	2369.8	2393.5	2593.9	2842.9	3110.1
17.5°	1731.1	1726.9	1725.5	1764.5	1861.9	2058.1	2335.0	2365.6	2609.2	2891.7	3218.7
20°	1852.2	1832.7	1797.9	1779.8	1838.2	2010.8	2311.4	2346.2	2631.4	2943.1	3334.2
22.5°	2105.4	2112.4	2019.1	1921.7	1893.9	2016.4	2308.6	2348.9	2680.1	3023.9	3476.1
25°	2612.0	2600.8	2428.3	2209.8	2058.1	2080.4	2357.3	2406.0	2776.2	3139.4	3609.7
27.5°	3246.5	3256.2	3019.7	2671.8	2354.5	2212.6	2446.4	2495.1	2887.5	3211.7	3698.8
30°	3938.1	3928.4	3675.1	3289.6	2774.8	2432.4	2535.4	2578.6	2943.1	3250.7	3790.6
32.5°	4592.1	4569.9	4319.4	3915.8	3310.5	2778.9	2657.9	2682.9	3016.9	3335.6	3914.4
35°	5150.1	5148.8	4930.3	4500.3	3861.6	3213.1	2868.0	2888.9	3154.7	3470.5	4096.7
37.5°	5726.3	5706.8	5461.9	5069.4	4427.9	3689.0	3189.4	3181.1	3371.7	3669.5	4320.8
40°	6199.4	6186.9	5999.0	5621.9	5016.6	4215.0	3579.1	3554.0	3629.2	3945.1	4632.5
42.5°	6550.1	6551.4	6493.0	6263.4	5640.0	4823.1	4068.9	4029.9	4028.6	4361.1	5044.4
45°	6815.8	6833.9	6921.6	6886.8	6376.1	5531.4	4696.5	4656.1	4588.0	4901.1	5516.1
47.5°	6939.7	6963.3	7227.7	7366.9	7020.4	6234.2	5443.8	5358.9	5225.3	5619.1	6043.5
50°	6927.2	6968.9	7337.7	7760.7	7604.9	6946.6	6257.8	6217.5	5999.0	6378.9	6565.4
52.5°	6643.3	6732.3	7344.6	8000.1	8054.3	7603.5	7099.7	7024.6	6918.8	7172.1	7055.2
55°	5872.4	5980.9	7051.0	8076.6	8405.0	8176.8	7923.5	7862.3	7687.0	7920.7	7482.4
57.5°	5453.5	5546.7	6433.2	8039.0	8702.8	8707.0	8656.9	8606.8	8462.1	8661.0	7983.4
60°	5201.6	5294.9	6103.4	7901.3	8972.8	9266.4	9345.7	9340.1	9131.4	9502.9	8570.6
62.5°	4832.9	4960.9	5759.7	7543.6	9164.8	9817.4	10056.8	10019.2	9786.8	10379.6	9152.3
65°	4088.4	4199.7	5055.5	6953.6	9052.1	10273.9	10827.7	10847.2	10578.6	11204.8	9611.5
67.5°	2866.6	2948.7	3798.9	5715.1	8286.7	10424.1	11616.7	11615.3	11157.5	11627.8	9408.3
70°	1661.5	1774.2	2244.6	3533.2	6447.1	9740.9	11735.0	11775.3	10922.3	10744.2	7785.8
72.5°	642.9	736.1	1271.9	1877.2	3362.0	7461.5	10094.3	10212.6	9141.1	8288.1	5418.7
75°	192.0	214.3	598.4	999.1	1349.8	3604.1	6833.9	6867.3	6270.4	5169.6	2777.5
77.5°	143.3	158.6	261.6	505.1	473.1	1092.4	3535.9	3861.6	3328.6	1846.6	765.4
80°	97.4	115.5	186.5	246.3	175.3	290.8	993.6	1091.0	1015.8	414.7	192.0
82.5°	43.1	55.7	132.2	123.8	64.0	83.5	306.1	325.6	210.1	125.2	66.8
85°	4.2	5.6	50.1	54.3	23.7	19.5	64.0	64.0	45.9	43.1	27.8
87.5°	0.0	0.0	1.4	2.8	2.8	4.2	5.6	7.0	8.3	11.1	13.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637292

CATALOG NUMBER: GWS-SA4C-740-U-T3R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2740.0	2740.0	2740.0	2740.0	2740.0	2740.0	2740.0	2740.0	2740.0	2740.0	2740.0
2.5°	2765.0	2748.3	2769.2	2785.9	2790.1	2759.5	2741.4	2714.9	2709.4	2710.8	2703.8
5°	2802.6	2794.2	2809.6	2791.5	2744.1	2655.1	2578.6	2493.7	2447.7	2421.3	2418.5
7.5°	2872.2	2868.0	2851.3	2769.2	2621.7	2424.1	2233.4	2047.0	1931.5	1889.7	1882.8
10°	2975.1	2966.8	2898.6	2703.8	2389.3	2009.4	1689.3	1422.2	1259.4	1212.0	1153.6
12.5°	3093.4	3076.7	2927.8	2563.2	2038.6	1512.6	1113.2	814.1	673.5	631.8	631.8
15°	3207.5	3171.4	2911.1	2330.9	1607.2	983.8	622.0	470.3	427.2	416.1	416.1
17.5°	3324.4	3254.8	2845.7	2013.6	1110.5	581.7	414.7	385.5	379.9	381.3	382.7
20°	3434.4	3325.8	2730.2	1632.3	708.3	406.3	371.5	364.6	361.8	364.6	363.2
22.5°	3554.0	3391.2	2554.9	1216.2	460.6	366.0	353.5	347.9	345.1	349.3	349.3
25°	3672.3	3438.5	2322.5	818.2	366.0	340.9	334.0	328.4	325.6	327.0	327.0
27.5°	3733.5	3420.4	2017.8	521.8	328.4	315.9	308.9	302.0	297.8	296.4	297.8
30°	3775.3	3364.8	1644.8	371.5	297.8	282.5	275.5	270.0	258.8	251.9	254.7
32.5°	3840.7	3309.1	1239.9	311.7	272.7	249.1	238.0	224.0	208.7	201.8	201.8
35°	3918.6	3232.6	869.7	281.1	246.3	221.3	200.4	176.7	158.6	153.1	153.1
37.5°	4021.6	3160.2	578.9	260.2	224.0	197.6	168.4	140.5	121.1	118.3	116.9
40°	4176.1	3099.0	407.7	244.9	204.6	172.6	137.8	108.5	94.6	90.5	90.5
42.5°	4376.4	3036.4	322.8	229.6	187.9	148.9	109.9	86.3	75.1	72.4	71.0
45°	4624.1	2962.6	281.1	215.7	171.2	123.8	87.7	72.4	64.0	61.2	61.2
47.5°	4892.7	2862.4	261.6	197.6	151.7	100.2	73.8	62.6	58.4	57.1	55.7
50°	5157.1	2727.4	244.9	180.9	129.4	82.1	64.0	57.1	54.3	52.9	52.9
52.5°	5388.1	2570.2	224.0	161.4	105.8	71.0	57.1	52.9	50.1	47.3	45.9
55°	5585.7	2399.0	197.6	139.2	86.3	62.6	52.9	48.7	45.9	43.1	41.7
57.5°	5840.4	2301.6	158.6	112.7	71.0	55.7	48.7	44.5	41.7	37.6	37.6
60°	6122.8	2230.7	118.3	89.1	61.2	51.5	44.5	40.4	37.6	33.4	33.4
62.5°	6349.7	2124.9	93.2	72.4	52.9	45.9	40.4	36.2	33.4	29.2	29.2
65°	6435.9	1906.4	76.5	57.1	43.1	40.4	36.2	33.4	29.2	25.0	25.0
67.5°	6046.3	1469.5	64.0	45.9	36.2	34.8	32.0	30.6	25.0	22.3	20.9
70°	4788.3	896.2	52.9	37.6	30.6	29.2	29.2	26.4	22.3	20.9	19.5
72.5°	3281.3	462.0	43.1	30.6	26.4	26.4	25.0	23.7	20.9	19.5	19.5
75°	1704.7	154.5	33.4	23.7	20.9	22.3	22.3	20.9	19.5	19.5	18.1
77.5°	488.4	69.6	25.0	18.1	16.7	16.7	18.1	18.1	18.1	16.7	16.7
80°	126.6	40.4	18.1	13.9	13.9	13.9	13.9	15.3	16.7	15.3	15.3
82.5°	51.5	22.3	12.5	11.1	11.1	11.1	11.1	12.5	13.9	13.9	13.9
85°	32.0	11.1	9.7	9.7	9.7	8.3	8.3	9.7	9.7	11.1	11.1
87.5°	19.5	8.3	8.3	8.3	8.3	7.0	7.0	7.0	7.0	7.0	7.0
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)