

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: P632920

Luminaire Tested: GWS-SA2D-760-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632920
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-SA2D-760-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9540.9 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

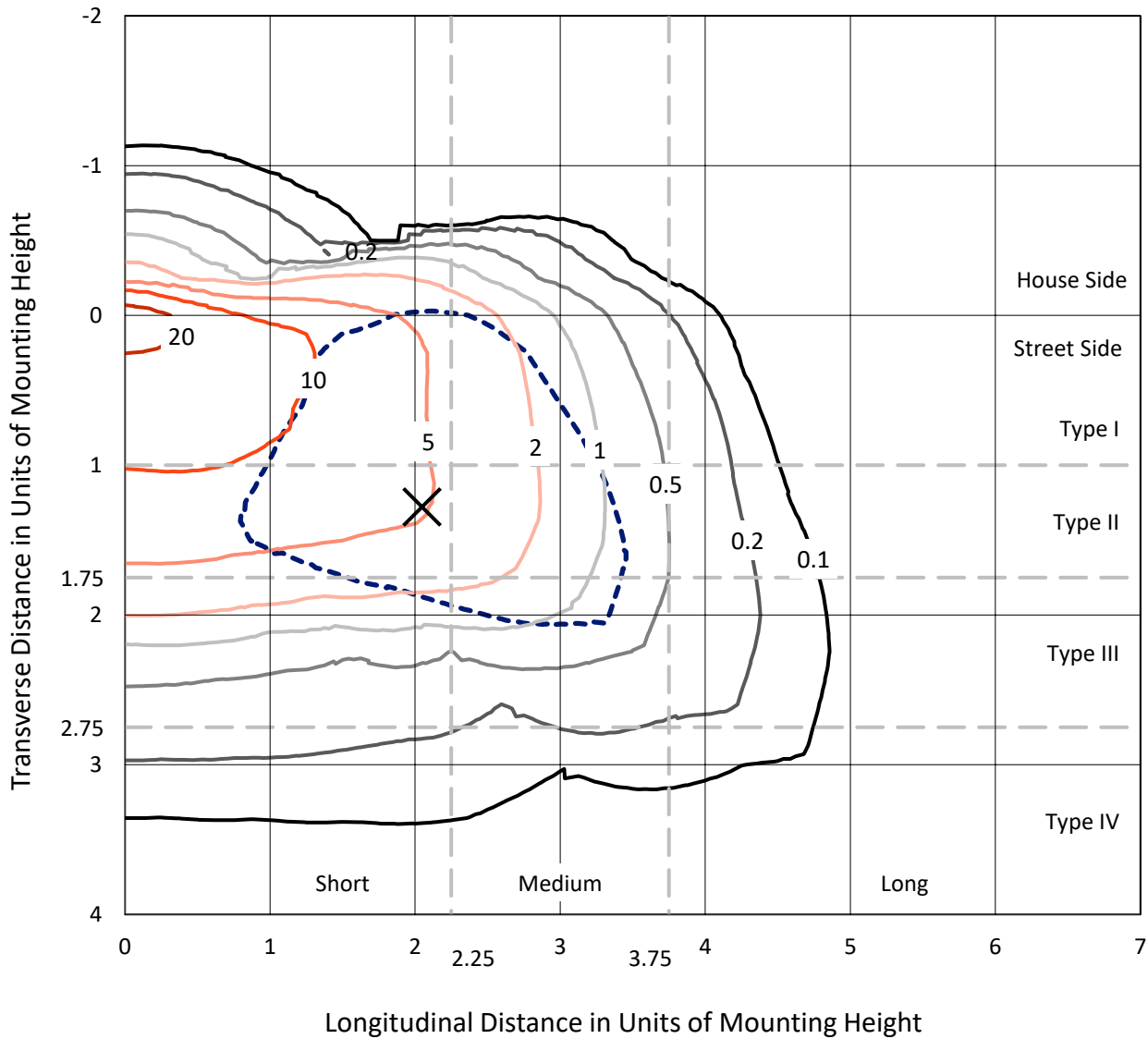
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632920
 CATALOG NUMBER: GWS-SA2D-760-U-SL3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

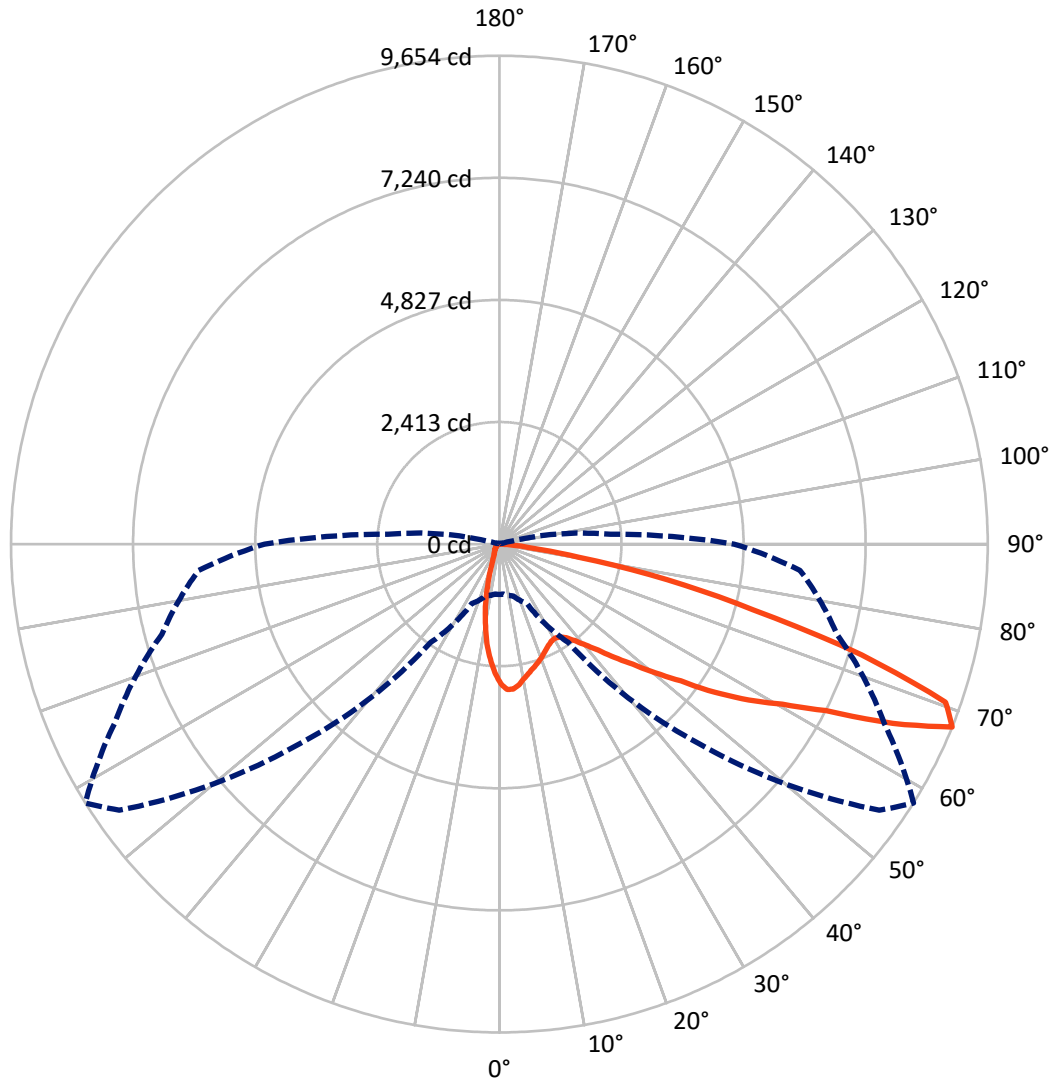
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27.5 fc
 Type III - Short - N/A

REPORT NUMBER: P632920
CATALOG NUMBER: GWS-SA2D-760-U-SL3-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P632920
 CATALOG NUMBER: GWS-SA2D-760-U-SL3-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	932.1	0.0	932.1
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	8608.8	0.0	8608.8
	% Fixture	90.2	0.0	90.2
Total	Lumens	9540.9	0.0	9540.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.6	2.3
10°-20°	465.5	4.9
20°-30°	627.8	6.6
30°-40°	882.2	9.2
40°-50°	1362.4	14.3
50°-60°	2178.7	22.8
60°-70°	2579.7	27.0
70°-80°	1141.2	12.0
80°-90°	79.8	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°	9540.9	100.0
0°-180°	9540.9	100.0

Coefficient of Utilization



REPORT NUMBER: P632920

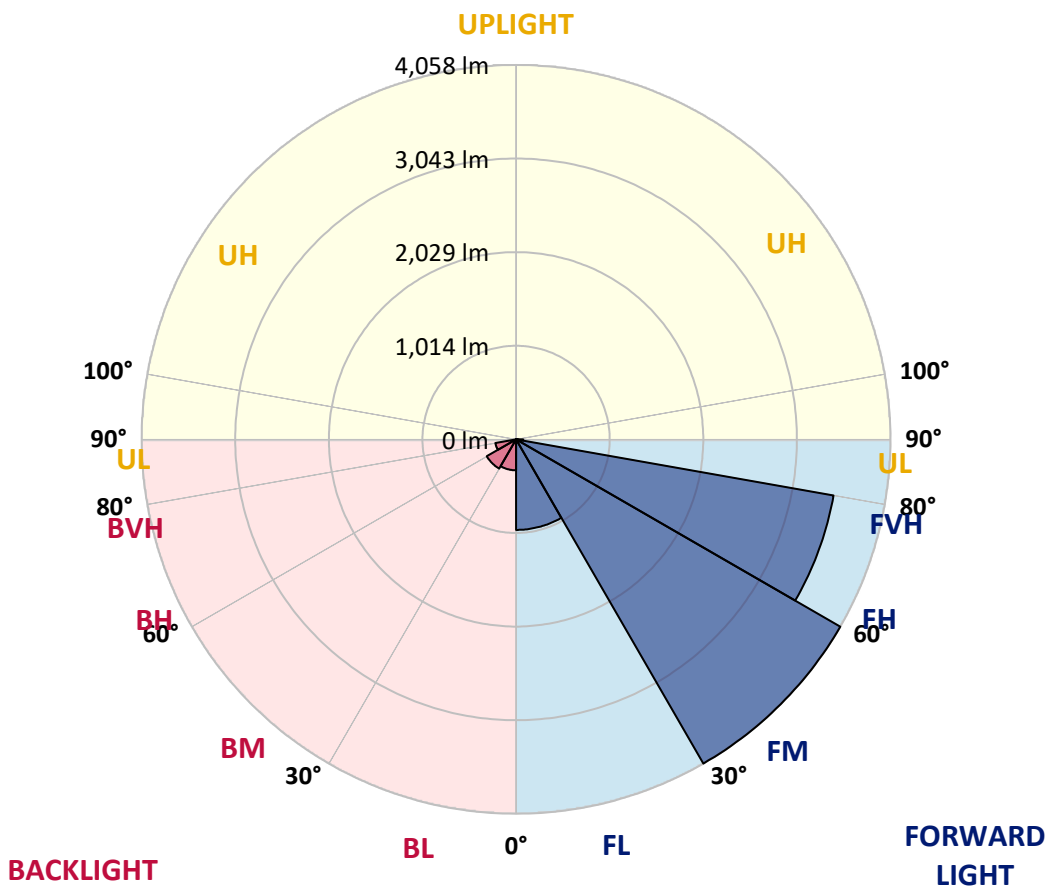
CATALOG NUMBER: GWS-SA2D-760-U-SL3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	981.5	10.3			
FM (30°-60°)	4057.5	42.5			
FH (60°-80°)	3493.4	36.6			G2/5000
FVH (80°-90°)	76.4	0.8			G1/100
BL (0°-30°)	335.4	3.5	B1/500		
BM (30°-60°)	365.7	3.8	B1/1000		
BH (60°-80°)	227.5	2.4	B1/500		G1/500
BVH (80°-90°)	3.4	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





REPORT NUMBER: P632920

CATALOG NUMBER: GWS-SA2D-760-U-SL3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2752.0	2752.0	2752.0	2752.0	2752.0	2752.0	2752.0	2752.0	2752.0	2752.0	2752.0
2.5°	2894.8	2899.8	2906.6	2915.0	2913.3	2905.7	2896.4	2875.3	2861.8	2819.6	2768.1
5°	2801.9	2801.0	2817.9	2834.0	2862.7	2877.9	2899.0	2879.6	2872.8	2822.1	2738.5
7.5°	2620.3	2629.6	2649.0	2674.4	2715.7	2760.5	2811.2	2805.2	2825.5	2791.7	2687.9
10°	2442.1	2437.1	2467.5	2505.5	2568.8	2626.2	2699.7	2698.8	2752.0	2748.7	2630.4
12.5°	2285.9	2285.1	2308.7	2351.8	2426.1	2506.3	2606.0	2608.5	2674.4	2701.4	2581.5
15°	2154.2	2155.9	2178.7	2223.4	2300.3	2398.2	2513.9	2535.0	2609.3	2664.2	2533.3
17.5°	2060.4	2061.3	2074.8	2113.6	2188.8	2293.5	2432.8	2461.6	2557.0	2636.4	2494.5
20°	2017.4	2014.0	2016.5	2036.0	2094.2	2189.6	2350.1	2387.2	2508.8	2616.9	2459.0
22.5°	2023.3	2018.2	2006.4	2003.9	2030.0	2102.7	2262.3	2307.9	2456.5	2605.1	2426.9
25°	2075.6	2064.7	2047.8	2022.4	2012.3	2048.6	2185.4	2232.7	2407.5	2606.0	2402.4
27.5°	2155.9	2144.0	2122.9	2089.2	2049.5	2034.3	2133.1	2177.8	2372.9	2625.4	2390.6
30°	2258.0	2248.8	2228.5	2188.0	2134.8	2072.3	2122.1	2159.2	2356.0	2665.1	2395.7
32.5°	2378.8	2372.0	2355.2	2318.0	2257.2	2161.8	2159.2	2188.0	2369.5	2722.5	2415.1
35°	2495.3	2497.9	2498.7	2478.4	2413.4	2297.7	2261.4	2271.6	2425.2	2808.6	2459.0
37.5°	2621.2	2615.2	2645.6	2660.0	2597.5	2474.2	2419.3	2420.2	2531.6	2936.1	2541.8
40°	2716.6	2718.3	2784.1	2843.2	2817.1	2698.0	2619.5	2618.6	2695.5	3110.9	2675.2
42.5°	2806.1	2817.1	2914.2	3015.5	3051.8	2946.3	2889.7	2868.6	2925.2	3347.4	2875.3
45°	2901.5	2917.6	3053.5	3197.9	3293.3	3230.8	3186.1	3194.5	3201.3	3622.7	3144.7
47.5°	3013.0	3023.1	3191.2	3394.7	3572.8	3556.8	3559.3	3549.2	3545.8	3969.7	3501.1
50°	3148.1	3171.7	3365.1	3608.3	3851.5	3957.9	3993.4	3997.6	3942.7	4348.0	3870.1
52.5°	3435.2	3463.9	3629.4	3842.2	4155.5	4379.3	4523.7	4495.0	4410.5	4714.5	4274.6
55°	3773.8	3795.8	3955.4	4175.8	4527.1	4841.2	5184.0	5172.2	4965.3	5100.4	4607.3
57.5°	3805.9	3830.4	4077.8	4415.6	5004.2	5412.0	5772.6	5810.6	5507.5	5374.0	4904.5
60°	3445.3	3495.2	3832.9	4287.2	5186.6	6179.6	6417.8	6425.4	5905.2	5651.9	5267.6
62.5°	2761.3	2785.0	3125.3	3718.1	4905.4	6627.2	7403.2	7242.8	6416.1	6081.7	5842.7
65°	1447.4	1543.6	1840.0	2496.2	3978.2	6471.0	8588.8	8544.9	7334.8	6697.3	6290.3
67.5°	993.1	992.2	1062.3	1301.3	2372.0	5571.6	9170.7	9653.7	8397.2	6908.4	5966.0
70°	755.8	758.3	820.8	976.2	1228.7	3708.8	8532.3	9358.1	8594.8	6272.5	4825.2
72.5°	501.6	506.7	610.5	788.7	981.2	1818.1	6630.6	7487.7	7231.8	5038.0	3396.4
75°	299.8	304.0	378.3	573.4	872.3	1017.6	4212.9	5176.4	4978.0	3472.4	1820.6
77.5°	123.3	126.7	194.2	357.2	638.4	790.4	2329.8	3387.1	2981.7	1380.7	497.4
80°	51.5	53.2	93.7	250.0	460.2	495.7	1079.2	1591.8	1221.9	297.2	152.0
82.5°	18.6	19.4	34.6	137.6	286.3	373.2	544.7	629.1	344.5	97.1	81.9
85°	0.8	0.8	8.4	46.4	108.9	105.6	311.6	301.5	114.0	40.5	49.0
87.5°	0.0	0.0	0.8	0.8	1.7	4.2	29.6	52.4	24.5	10.1	21.1
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: P632920
 CATALOG NUMBER: GWS-SA2D-760-U-SL3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2752.0	2752.0	2752.0	2752.0	2752.0	2752.0	2752.0	2752.0	2752.0	2752.0	2752.0
2.5°	2734.3	2689.6	2640.6	2595.0	2522.4	2479.3	2426.1	2402.4	2368.7	2360.2	2365.3
5°	2678.6	2601.7	2484.4	2378.0	2240.3	2129.7	2018.2	1970.9	1910.1	1869.6	1852.7
7.5°	2600.0	2499.6	2316.3	2122.9	1933.8	1732.0	1578.3	1476.9	1384.9	1334.2	1324.1
10°	2520.7	2389.8	2127.2	1850.2	1557.2	1315.6	1107.9	954.2	829.2	772.7	728.8
12.5°	2438.8	2275.8	1934.6	1573.2	1232.9	903.6	646.8	497.4	407.9	372.4	378.3
15°	2363.6	2166.0	1743.8	1296.2	868.1	545.5	357.2	301.5	280.4	273.6	272.8
17.5°	2291.8	2062.1	1553.8	1026.8	572.5	334.4	273.6	260.1	254.2	250.8	250.8
20°	2226.8	1962.5	1368.0	773.5	369.9	265.2	247.4	240.7	235.6	233.1	233.1
22.5°	2166.0	1866.2	1186.4	547.2	272.8	238.1	227.2	220.4	214.5	211.1	211.1
25°	2111.1	1779.2	1013.3	376.6	234.8	217.9	206.0	198.4	188.3	182.4	182.4
27.5°	2071.4	1701.6	847.0	274.4	212.0	195.9	182.4	172.3	161.3	154.5	152.8
30°	2047.8	1635.7	678.9	225.5	190.8	174.8	159.6	146.9	134.3	127.5	126.7
32.5°	2034.3	1574.9	525.2	196.8	173.1	154.5	137.6	124.1	111.5	103.9	103.0
35°	2039.3	1527.6	393.5	177.3	156.2	136.8	118.2	104.7	93.7	87.0	85.3
37.5°	2083.2	1506.5	295.6	162.1	141.9	121.6	102.2	89.5	79.4	74.3	73.5
40°	2168.5	1510.7	232.2	150.3	130.0	106.4	87.8	76.0	68.4	64.2	63.3
42.5°	2301.1	1546.2	191.7	140.2	117.4	92.9	76.0	66.7	59.1	54.9	54.0
45°	2498.7	1619.6	167.2	128.4	103.9	80.2	65.9	57.4	50.7	45.6	44.8
47.5°	2785.0	1747.2	151.2	117.4	92.0	69.2	56.6	48.1	42.2	38.0	37.2
50°	3089.8	1900.0	137.6	106.4	81.9	60.0	48.1	39.7	34.6	30.4	29.6
52.5°	3414.9	2064.7	127.5	96.3	72.6	51.5	40.5	32.9	27.9	23.6	22.8
55°	3727.4	2230.2	115.7	89.5	61.6	43.9	33.8	27.0	22.0	18.6	18.6
57.5°	4031.4	2382.2	103.0	78.5	50.7	37.2	27.9	22.0	17.7	15.2	14.4
60°	4394.5	2592.4	88.7	66.7	42.2	31.2	22.8	17.7	14.4	11.8	11.8
62.5°	4934.1	2811.2	76.0	55.7	35.5	26.2	18.6	14.4	11.8	10.1	9.3
65°	5110.6	2692.9	64.2	45.6	28.7	21.1	15.2	12.7	10.1	9.3	8.4
67.5°	4639.4	2207.4	53.2	37.2	23.6	17.7	13.5	11.0	9.3	8.4	7.6
70°	3620.1	1566.4	41.4	27.9	19.4	14.4	11.8	10.1	8.4	7.6	7.6
72.5°	2462.4	926.4	32.9	21.1	16.0	12.7	10.1	9.3	8.4	7.6	6.8
75°	1212.6	329.3	25.3	16.0	12.7	11.0	9.3	8.4	7.6	6.8	6.8
77.5°	326.8	91.2	19.4	12.7	10.1	8.4	8.4	8.4	7.6	5.9	5.9
80°	110.6	38.0	14.4	9.3	8.4	6.8	5.9	7.6	6.8	5.9	5.1
82.5°	60.8	18.6	10.1	7.6	5.9	5.1	5.1	5.1	5.1	4.2	4.2
85°	38.8	10.1	6.8	5.9	5.9	4.2	3.4	3.4	2.5	2.5	2.5
87.5°	17.7	5.9	5.9	5.1	5.1	4.2	2.5	1.7	0.8	0.8	0.8
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)