

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: P635065

Luminaire Tested: GWS-SA3D-722-U-SL3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635065  
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-SA3D-722-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) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

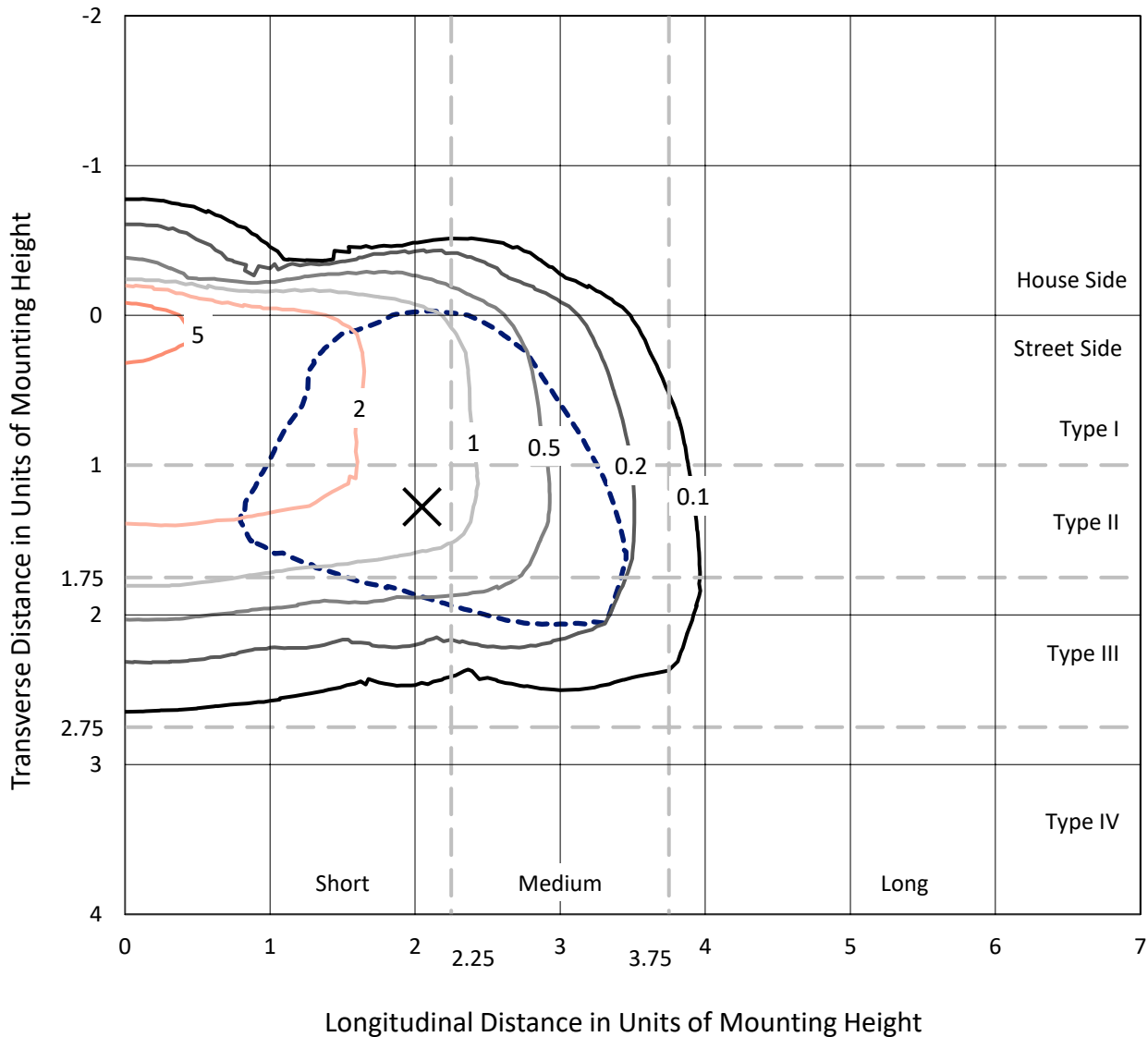
Lumens per Lamp: N/A  
Luminaire Lumens: 10498.8 lumens  
Efficiency: N/A  
Efficacy: 86.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

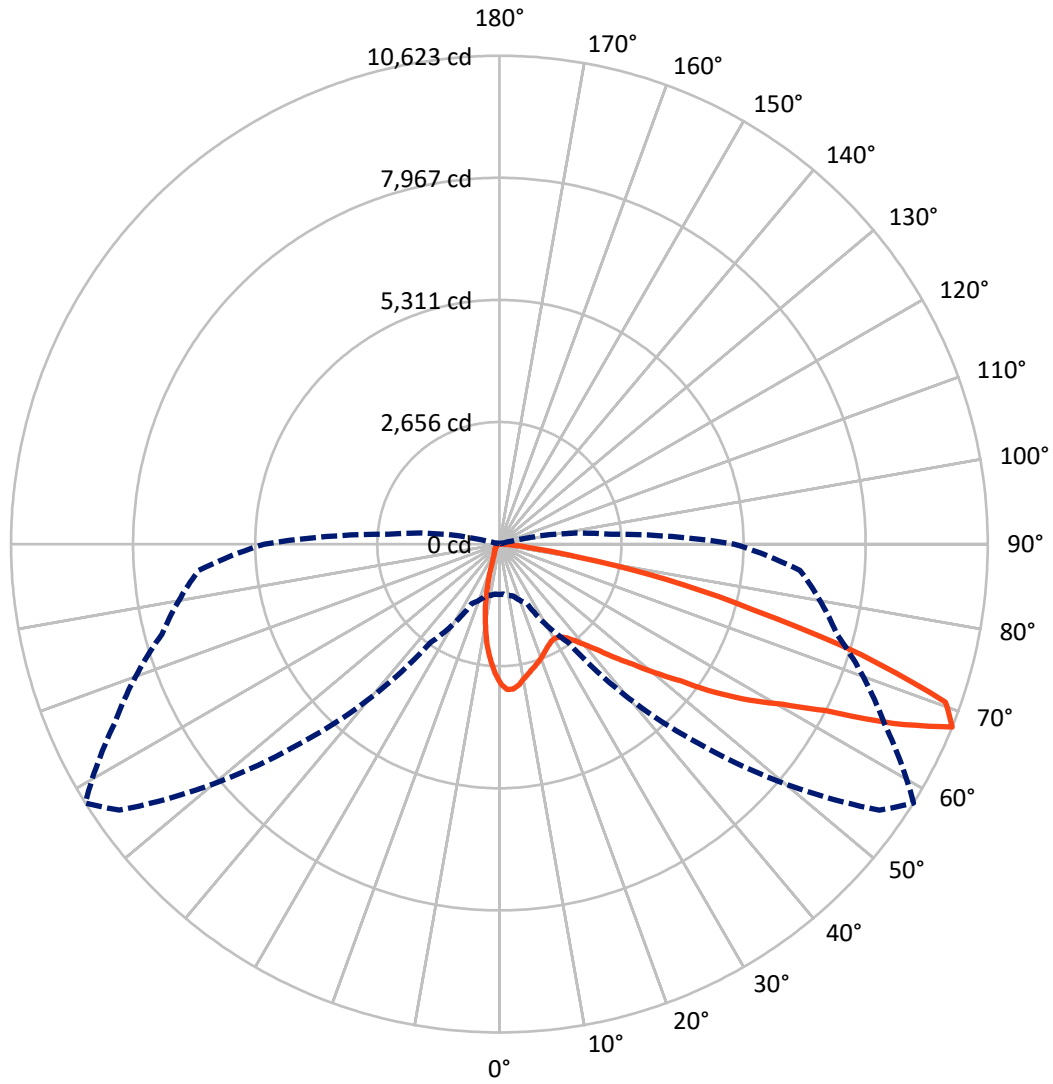
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.6 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
<b>House Side</b>	Lumens	1025.7	0.0	1025.7
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	9473.1	0.0	9473.1
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	10498.8	0.0	10498.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.1	2.3
10°-20°	512.3	4.9
20°-30°	690.8	6.6
30°-40°	970.7	9.2
40°-50°	1499.2	14.3
50°-60°	2397.4	22.8
60°-70°	2838.7	27.0
70°-80°	1255.8	12.0
80°-90°	87.8	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°	10498.8	100.0
0°-180°	10498.8	100.0

**Coefficient of Utilization**



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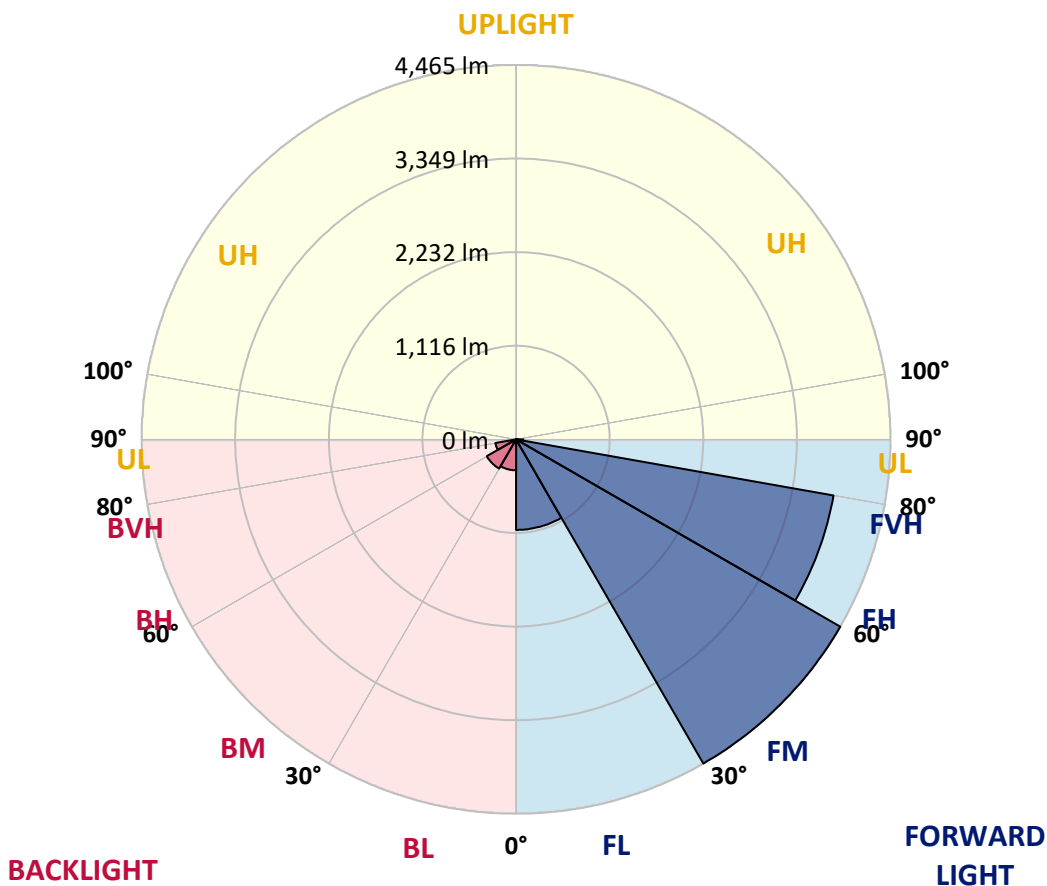
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1080.1	10.3			
FM (30°-60°)	4464.9	42.5			
FH (60°-80°)	3844.1	36.6			G2/5000
FVH (80°-90°)	84.1	0.8			G1/100
BL (0°-30°)	369.1	3.5	B1/500		
BM (30°-60°)	402.4	3.8	B1/1000		
BH (60°-80°)	250.4	2.4	B1/500		G1/500
BVH (80°-90°)	3.7	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°	3028.3	3028.3	3028.3	3028.3	3028.3	3028.3	3028.3	3028.3	3028.3	3028.3	3028.3
2.5°	3185.4	3191.0	3198.4	3207.7	3205.8	3197.5	3187.2	3164.0	3149.1	3102.7	3046.0
5°	3083.2	3082.2	3100.8	3118.5	3150.1	3166.8	3190.0	3168.7	3161.2	3105.5	3013.5
7.5°	2883.4	2893.6	2915.0	2942.9	2988.4	3037.6	3093.4	3086.9	3109.2	3072.0	2957.7
10°	2687.3	2681.7	2715.2	2757.0	2826.7	2889.9	2970.7	2969.8	3028.3	3024.6	2894.5
12.5°	2515.4	2514.5	2540.5	2587.9	2669.7	2757.9	2867.6	2870.4	2942.9	2972.6	2840.6
15°	2370.5	2372.3	2397.4	2446.7	2531.2	2639.0	2766.3	2789.5	2871.3	2931.7	2787.7
17.5°	2267.3	2268.2	2283.1	2325.9	2408.6	2523.8	2677.1	2708.7	2813.7	2901.0	2744.9
20°	2219.9	2216.2	2219.0	2240.4	2304.5	2409.5	2586.0	2626.9	2760.7	2879.7	2705.9
22.5°	2226.4	2220.8	2207.8	2205.1	2233.9	2313.8	2489.4	2539.6	2703.1	2866.7	2670.6
25°	2284.0	2272.0	2253.4	2225.5	2214.3	2254.3	2404.8	2456.9	2649.2	2867.6	2643.6
27.5°	2372.3	2359.3	2336.1	2298.9	2255.2	2238.5	2347.2	2396.5	2611.1	2889.0	2630.6
30°	2484.7	2474.5	2452.2	2407.6	2349.1	2280.3	2335.1	2376.0	2592.5	2932.6	2636.2
32.5°	2617.6	2610.2	2591.6	2550.7	2483.8	2378.8	2376.0	2407.6	2607.4	2995.8	2657.6
35°	2745.9	2748.6	2749.6	2727.3	2655.7	2528.4	2488.5	2499.6	2668.7	3090.6	2705.9
37.5°	2884.3	2877.8	2911.3	2927.1	2858.3	2722.6	2662.2	2663.2	2785.8	3230.9	2797.0
40°	2989.3	2991.2	3063.7	3128.7	3099.9	2968.9	2882.5	2881.5	2966.1	3423.3	2943.8
42.5°	3087.8	3099.9	3206.8	3318.3	3358.2	3242.1	3179.8	3156.6	3218.8	3683.5	3164.0
45°	3192.8	3210.5	3360.1	3519.0	3624.0	3555.2	3506.0	3515.3	3522.7	3986.4	3460.4
47.5°	3315.5	3326.6	3511.5	3735.5	3931.6	3913.9	3916.7	3905.5	3901.8	4368.3	3852.6
50°	3464.2	3490.2	3703.0	3970.6	4238.2	4355.3	4394.3	4399.0	4338.6	4784.6	4258.6
52.5°	3780.1	3811.7	3993.8	4228.0	4572.7	4819.0	4977.9	4946.3	4853.3	5187.9	4703.7
55°	4152.7	4176.9	4352.5	4595.0	4981.6	5327.3	5704.5	5691.5	5463.8	5612.5	5069.9
57.5°	4188.0	4215.0	4487.2	4858.9	5506.6	5955.4	6352.2	6394.0	6060.4	5913.6	5396.9
60°	3791.2	3846.1	4217.8	4717.7	5707.3	6800.1	7062.1	7070.5	6498.1	6219.3	5796.5
62.5°	3038.6	3064.6	3439.1	4091.4	5397.9	7292.6	8146.5	7970.0	7060.3	6692.3	6429.3
65°	1592.7	1698.6	2024.8	2746.8	4377.6	7120.7	9451.2	9402.8	8071.3	7369.7	6921.8
67.5°	1092.8	1091.8	1169.0	1431.9	2610.2	6131.0	10091.4	10622.9	9240.2	7602.0	6565.0
70°	831.7	834.4	903.2	1074.2	1352.0	4081.2	9388.9	10297.7	9457.7	6902.3	5309.6
72.5°	552.0	557.5	671.8	867.9	1079.8	2000.6	7296.3	8239.4	7957.9	5543.8	3737.3
75°	329.9	334.5	416.3	630.9	959.9	1119.7	4635.9	5696.2	5477.8	3821.0	2003.4
77.5°	135.7	139.4	213.7	393.1	702.5	869.8	2563.7	3727.1	3281.1	1519.3	547.3
80°	56.7	58.5	103.1	275.1	506.4	545.5	1187.6	1751.6	1344.6	327.1	167.3
82.5°	20.4	21.4	38.1	151.5	315.0	410.7	599.4	692.3	379.1	106.9	90.1
85°	0.9	0.9	9.3	51.1	119.9	116.2	342.9	331.7	125.4	44.6	53.9
87.5°	0.0	0.0	0.9	0.9	1.9	4.6	32.5	57.6	26.9	11.2	23.2
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°	3028.3	3028.3	3028.3	3028.3	3028.3	3028.3	3028.3	3028.3	3028.3	3028.3	3028.3
2.5°	3008.8	2959.6	2905.7	2855.5	2775.6	2728.2	2669.7	2643.6	2606.5	2597.2	2602.8
5°	2947.5	2862.9	2733.8	2616.7	2465.2	2343.5	2220.8	2168.8	2101.9	2057.3	2038.7
7.5°	2861.1	2750.5	2548.9	2336.1	2127.9	1905.8	1736.7	1625.2	1523.9	1468.2	1457.0
10°	2773.7	2629.7	2340.7	2035.9	1713.5	1447.7	1219.1	1050.0	912.5	850.2	801.9
12.5°	2683.6	2504.3	2128.9	1731.1	1356.7	994.3	711.8	547.3	448.8	409.8	416.3
15°	2600.9	2383.5	1918.9	1426.4	955.2	600.3	393.1	331.7	308.5	301.1	300.1
17.5°	2521.9	2269.2	1709.8	1129.9	630.0	368.0	301.1	286.2	279.7	276.0	276.0
20°	2450.4	2159.5	1505.3	851.2	407.0	291.8	272.3	264.8	259.3	256.5	256.5
22.5°	2383.5	2053.6	1305.6	602.1	300.1	262.0	250.0	242.5	236.0	232.3	232.3
25°	2323.1	1957.9	1115.1	414.4	258.3	239.7	226.7	218.4	207.2	200.7	200.7
27.5°	2279.4	1872.4	932.0	302.0	233.2	215.6	200.7	189.6	177.5	170.0	168.2
30°	2253.4	1799.9	747.1	248.1	210.0	192.3	175.6	161.7	147.7	140.3	139.4
32.5°	2238.5	1733.0	578.0	216.5	190.5	170.0	151.5	136.6	122.7	114.3	113.4
35°	2244.1	1681.0	433.0	195.1	171.9	150.5	130.1	115.2	103.1	95.7	93.9
37.5°	2292.4	1657.7	325.2	178.4	156.1	133.8	112.4	98.5	87.3	81.8	80.8
40°	2386.3	1662.4	255.5	165.4	143.1	117.1	96.6	83.6	75.3	70.6	69.7
42.5°	2532.1	1701.4	210.9	154.3	129.2	102.2	83.6	73.4	65.0	60.4	59.5
45°	2749.6	1782.3	184.0	141.2	114.3	88.3	72.5	63.2	55.8	50.2	49.2
47.5°	3064.6	1922.6	166.3	129.2	101.3	76.2	62.3	53.0	46.5	41.8	40.9
50°	3400.0	2090.8	151.5	117.1	90.1	66.0	53.0	43.7	38.1	33.5	32.5
52.5°	3757.8	2272.0	140.3	105.9	79.9	56.7	44.6	36.2	30.7	26.0	25.1
55°	4101.6	2454.1	127.3	98.5	67.8	48.3	37.2	29.7	24.2	20.4	20.4
57.5°	4436.1	2621.3	113.4	86.4	55.8	40.9	30.7	24.2	19.5	16.7	15.8
60°	4835.7	2852.7	97.6	73.4	46.5	34.4	25.1	19.5	15.8	13.0	13.0
62.5°	5429.5	3093.4	83.6	61.3	39.0	28.8	20.4	15.8	13.0	11.2	10.2
65°	5623.7	2963.3	70.6	50.2	31.6	23.2	16.7	13.9	11.2	10.2	9.3
67.5°	5105.2	2429.0	58.5	40.9	26.0	19.5	14.9	12.1	10.2	9.3	8.4
70°	3983.6	1723.7	45.5	30.7	21.4	15.8	13.0	11.2	9.3	8.4	8.4
72.5°	2709.6	1019.4	36.2	23.2	17.7	13.9	11.2	10.2	9.3	8.4	7.4
75°	1334.4	362.4	27.9	17.7	13.9	12.1	10.2	9.3	8.4	7.4	7.4
77.5°	359.6	100.4	21.4	13.9	11.2	9.3	9.3	9.3	8.4	6.5	6.5
80°	121.7	41.8	15.8	10.2	9.3	7.4	6.5	8.4	7.4	6.5	5.6
82.5°	66.9	20.4	11.2	8.4	6.5	5.6	5.6	5.6	5.6	4.6	4.6
85°	42.7	11.2	7.4	6.5	6.5	4.6	3.7	3.7	2.8	2.8	2.8
87.5°	19.5	6.5	6.5	5.6	5.6	4.6	2.8	1.9	0.9	0.9	0.9
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)