

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: P632755

Luminaire Tested: GWS-SA2D-735-U-SL3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632755  
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-735-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) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

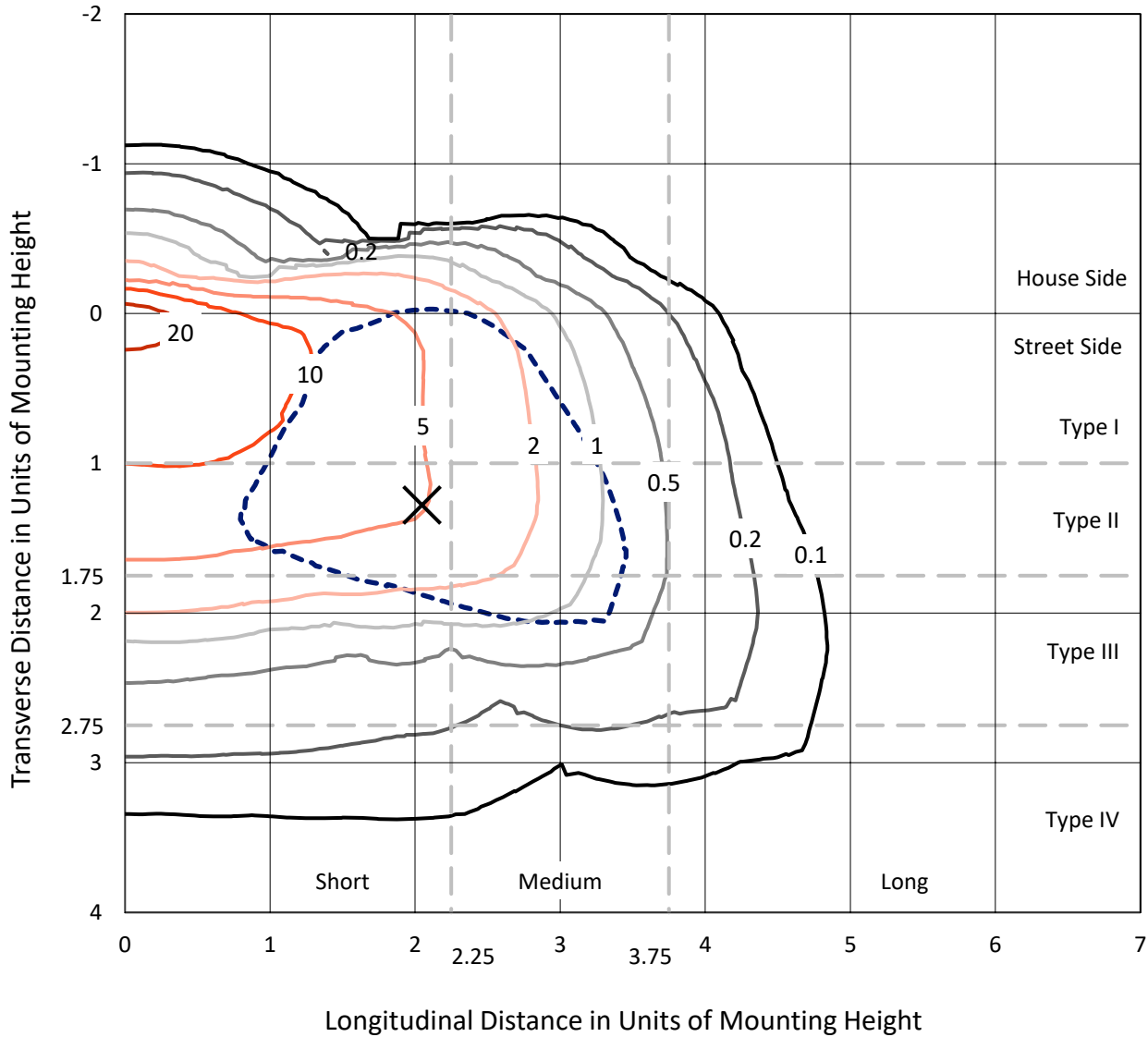
Lumens per Lamp: N/A  
Luminaire Lumens: 9327.1 lumens  
Efficiency: N/A  
Efficacy: 113.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): 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: P632755  
 CATALOG NUMBER: GWS-SA2D-735-U-SL3-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

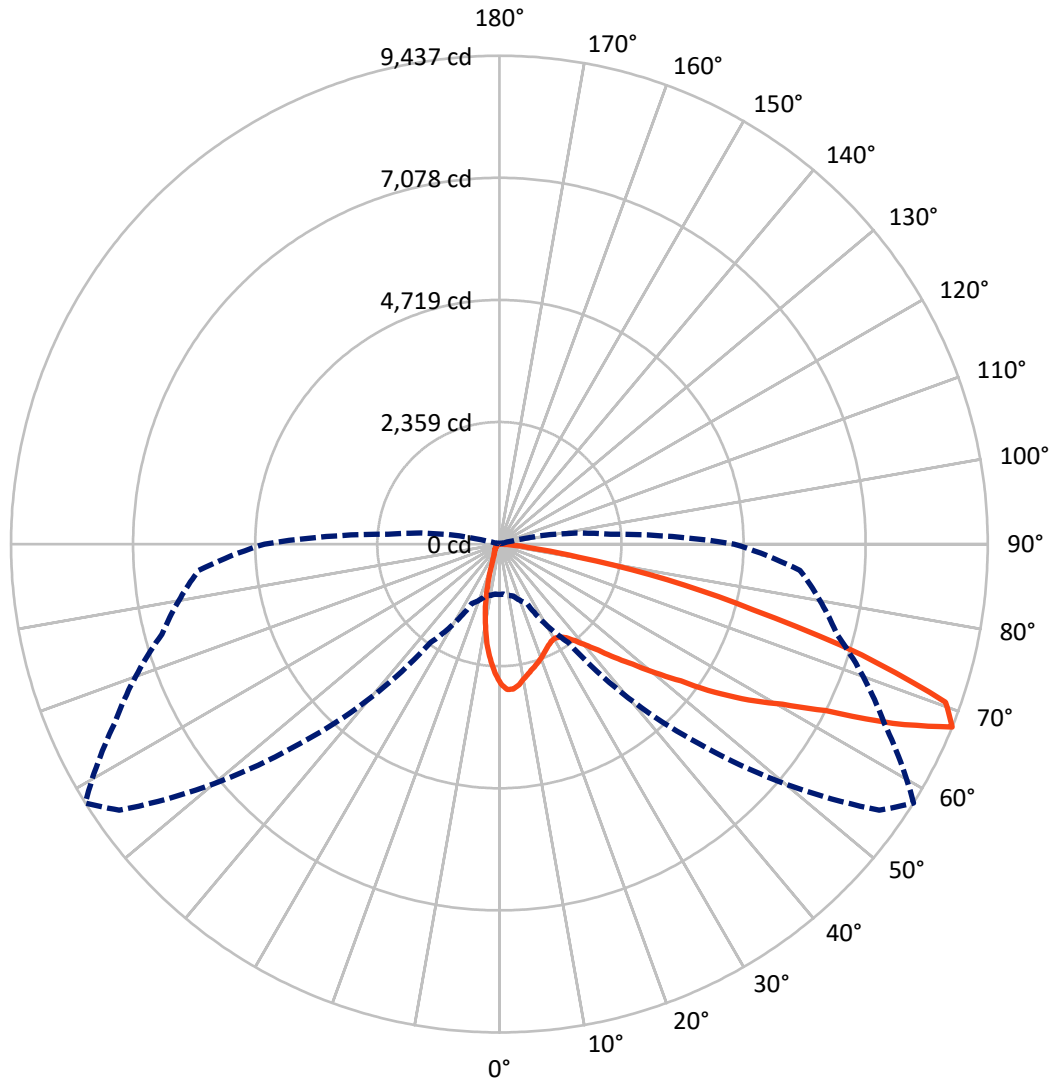
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 26.9 fc  
 Type III - Short - N/A

REPORT NUMBER: P632755  
CATALOG NUMBER: GWS-SA2D-735-U-SL3-W-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P632755  
 CATALOG NUMBER: GWS-SA2D-735-U-SL3-W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	911.2	0.0	911.2
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	8415.9	0.0	8415.9
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	9327.1	0.0	9327.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	218.6	2.3
10°-20°	455.1	4.9
20°-30°	613.7	6.6
30°-40°	862.4	9.2
40°-50°	1331.9	14.3
50°-60°	2129.9	22.8
60°-70°	2521.9	27.0
70°-80°	1115.6	12.0
80°-90°	78.0	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°	9327.1	100.0
0°-180°	9327.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P632755

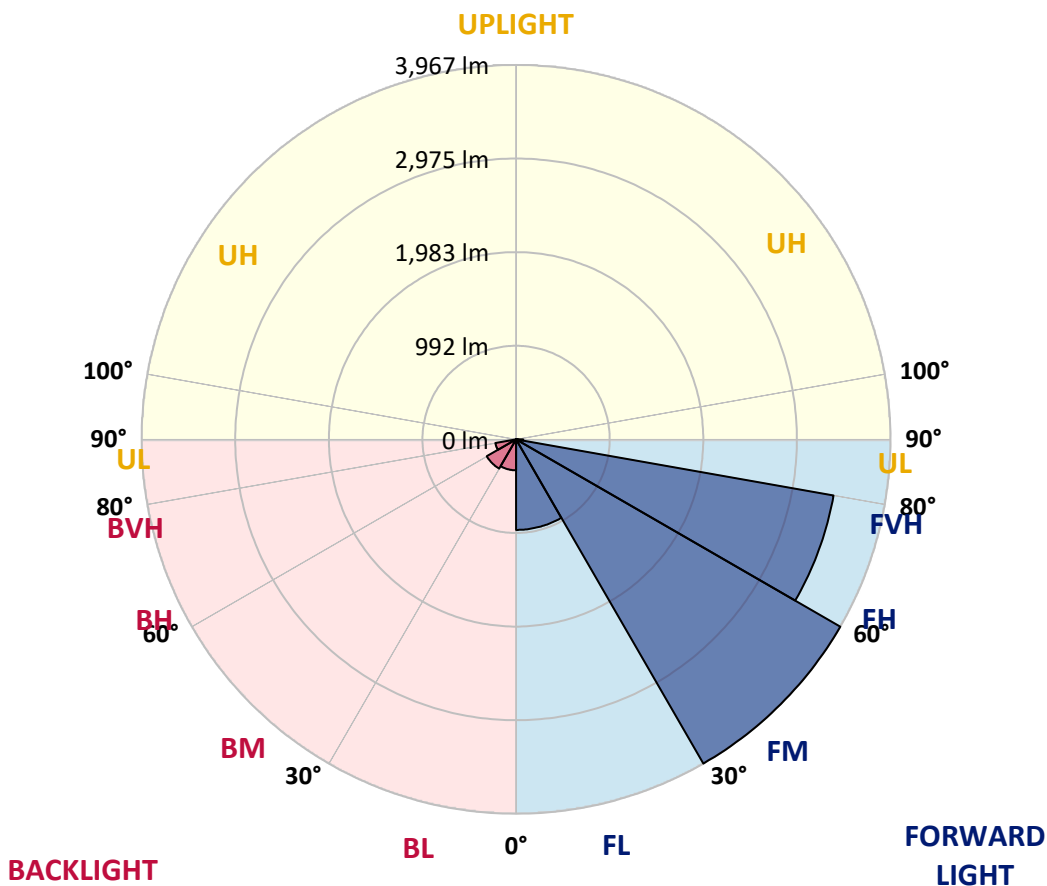
CATALOG NUMBER: GWS-SA2D-735-U-SL3-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	959.5	10.3			
FM (30°-60°)	3966.6	42.5			
FH (60°-80°)	3415.1	36.6			G2/5000
FVH (80°-90°)	74.7	0.8			G1/100
BL (0°-30°)	327.9	3.5	B1/500		
BM (30°-60°)	357.5	3.8	B1/1000		
BH (60°-80°)	222.5	2.4	B1/500		G1/500
BVH (80°-90°)	3.3	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: P632755

CATALOG NUMBER: GWS-SA2D-735-U-SL3-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2690.4	2690.4	2690.4	2690.4	2690.4	2690.4	2690.4	2690.4	2690.4	2690.4	2690.4
2.5°	2829.9	2834.8	2841.4	2849.7	2848.0	2840.6	2831.5	2810.9	2797.7	2756.4	2706.1
5°	2739.1	2738.3	2754.8	2770.4	2798.5	2813.4	2834.0	2815.0	2808.4	2758.9	2677.2
7.5°	2561.6	2570.7	2589.7	2614.4	2654.9	2698.6	2748.2	2742.4	2762.2	2729.2	2627.6
10°	2387.4	2382.5	2412.2	2449.3	2511.2	2567.4	2639.2	2638.4	2690.4	2687.1	2571.5
12.5°	2234.7	2233.9	2257.0	2299.1	2371.7	2450.1	2547.6	2550.0	2614.4	2640.8	2523.6
15°	2105.9	2107.6	2129.8	2173.6	2248.7	2344.5	2457.6	2478.2	2550.9	2604.5	2476.6
17.5°	2014.3	2015.1	2028.3	2066.3	2139.8	2242.1	2378.3	2406.4	2499.7	2577.3	2438.6
20°	1972.2	1968.9	1971.3	1990.3	2047.3	2140.6	2297.4	2333.7	2452.6	2558.3	2403.9
22.5°	1977.9	1973.0	1961.4	1959.0	1984.6	2055.5	2211.6	2256.1	2401.4	2546.7	2372.5
25°	2029.1	2018.4	2001.9	1977.1	1967.2	2002.7	2136.4	2182.7	2353.6	2547.6	2348.6
27.5°	2107.6	2096.0	2075.4	2042.3	2003.5	1988.7	2085.3	2129.0	2319.7	2566.5	2337.1
30°	2207.4	2198.4	2178.6	2138.9	2086.9	2025.8	2074.5	2110.9	2303.2	2605.3	2342.0
32.5°	2325.5	2318.9	2302.4	2266.1	2206.6	2113.3	2110.9	2138.9	2316.4	2661.5	2361.0
35°	2439.4	2441.9	2442.7	2422.9	2359.3	2246.2	2210.7	2220.7	2370.9	2745.7	2403.9
37.5°	2562.4	2556.6	2586.4	2600.4	2539.3	2418.8	2365.1	2365.9	2474.9	2870.3	2484.8
40°	2655.7	2657.4	2721.7	2779.5	2753.9	2637.5	2560.8	2559.9	2635.1	3041.2	2615.3
42.5°	2743.2	2753.9	2848.9	2947.9	2983.4	2880.2	2824.9	2804.3	2859.6	3272.4	2810.9
45°	2836.5	2852.2	2985.1	3126.2	3219.5	3158.4	3114.7	3122.9	3129.6	3541.5	3074.2
47.5°	2945.5	2955.4	3119.6	3318.6	3492.8	3477.1	3479.6	3469.7	3466.4	3880.8	3422.6
50°	3077.5	3100.7	3289.7	3527.5	3765.2	3869.2	3903.9	3908.0	3854.4	4250.6	3783.4
52.5°	3358.2	3386.3	3548.1	3756.1	4062.4	4281.2	4422.3	4394.2	4311.7	4608.9	4178.8
55°	3689.3	3710.7	3866.7	4082.2	4425.6	4732.7	5067.9	5056.3	4854.1	4986.1	4504.0
57.5°	3720.6	3744.6	3986.4	4316.7	4892.0	5290.8	5643.3	5680.4	5384.0	5253.6	4794.6
60°	3368.1	3416.8	3747.0	4191.2	5070.4	6041.2	6274.0	6281.4	5772.9	5525.2	5149.6
62.5°	2699.5	2722.6	3055.3	3634.8	4795.5	6478.7	7237.3	7080.5	6272.3	5945.4	5711.8
65°	1414.9	1509.1	1798.8	2440.2	3889.0	6326.0	8396.4	8353.4	7170.5	6547.2	6149.3
67.5°	970.8	970.0	1038.5	1272.1	2318.9	5446.8	8965.2	9437.4	8209.0	6753.6	5832.3
70°	738.8	741.3	802.4	954.3	1201.1	3625.7	8341.1	9148.4	8402.2	6132.0	4717.0
72.5°	490.4	495.3	596.9	771.0	959.3	1777.3	6482.0	7319.9	7069.8	4925.1	3320.2
75°	293.1	297.2	369.8	560.5	852.8	994.8	4118.5	5060.4	4866.4	3394.5	1779.8
77.5°	120.5	123.8	189.9	349.2	624.1	772.7	2277.6	3311.2	2914.9	1349.7	486.2
80°	50.4	52.0	91.6	244.4	449.9	484.6	1055.0	1556.1	1194.5	290.6	148.6
82.5°	18.2	19.0	33.8	134.6	279.9	364.9	532.5	615.0	336.8	94.9	80.1
85°	0.8	0.8	8.3	45.4	106.5	103.2	304.6	294.7	111.4	39.6	47.9
87.5°	0.0	0.0	0.8	0.8	1.7	4.1	28.9	51.2	23.9	9.9	20.6
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: P632755

CATALOG NUMBER: GWS-SA2D-735-U-SL3-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2690.4	2690.4	2690.4	2690.4	2690.4	2690.4	2690.4	2690.4	2690.4	2690.4	2690.4
2.5°	2673.0	2629.3	2581.4	2536.8	2465.8	2423.7	2371.7	2348.6	2315.6	2307.3	2312.3
5°	2618.6	2543.4	2428.7	2324.7	2190.1	2082.0	1973.0	1926.8	1867.3	1827.7	1811.2
7.5°	2541.8	2443.5	2264.4	2075.4	1890.4	1693.1	1542.9	1443.8	1353.9	1304.3	1294.4
10°	2464.2	2336.2	2079.5	1808.7	1522.3	1286.2	1083.1	932.8	810.7	755.4	712.4
12.5°	2384.1	2224.8	1891.3	1537.9	1205.3	883.3	632.3	486.2	398.7	364.1	369.8
15°	2310.6	2117.5	1704.7	1267.2	848.6	533.3	349.2	294.7	274.1	267.5	266.6
17.5°	2240.5	2015.9	1519.0	1003.8	559.7	326.9	267.5	254.3	248.5	245.2	245.2
20°	2176.9	1918.5	1337.3	756.2	361.6	259.2	241.9	235.3	230.3	227.8	227.8
22.5°	2117.5	1824.4	1159.9	534.9	266.6	232.8	222.1	215.5	209.7	206.4	206.4
25°	2063.8	1739.4	990.6	368.2	229.5	213.0	201.4	194.0	184.1	178.3	178.3
27.5°	2025.0	1663.4	828.0	268.3	207.2	191.5	178.3	168.4	157.7	151.1	149.4
30°	2001.9	1599.0	663.7	220.4	186.6	170.9	156.0	143.6	131.3	124.7	123.8
32.5°	1988.7	1539.6	513.5	192.3	169.2	151.1	134.6	121.4	109.0	101.5	100.7
35°	1993.6	1493.4	384.7	173.4	152.7	133.7	115.6	102.4	91.6	85.0	83.4
37.5°	2036.6	1472.7	288.9	158.5	138.7	118.9	99.9	87.5	77.6	72.6	71.8
40°	2119.9	1476.9	227.0	146.9	127.1	104.0	85.9	74.3	66.9	62.7	61.9
42.5°	2249.5	1511.5	187.4	137.0	114.7	90.8	74.3	65.2	57.8	53.7	52.8
45°	2442.7	1583.3	163.5	125.5	101.5	78.4	64.4	56.1	49.5	44.6	43.8
47.5°	2722.6	1708.0	147.8	114.7	90.0	67.7	55.3	47.1	41.3	37.1	36.3
50°	3020.6	1857.4	134.6	104.0	80.1	58.6	47.1	38.8	33.8	29.7	28.9
52.5°	3338.4	2018.4	124.7	94.1	71.0	50.4	39.6	32.2	27.2	23.1	22.3
55°	3643.9	2180.2	113.1	87.5	60.3	42.9	33.0	26.4	21.5	18.2	18.2
57.5°	3941.0	2328.8	100.7	76.8	49.5	36.3	27.2	21.5	17.3	14.9	14.0
60°	4296.0	2534.3	86.7	65.2	41.3	30.5	22.3	17.3	14.0	11.6	11.6
62.5°	4823.5	2748.2	74.3	54.5	34.7	25.6	18.2	14.0	11.6	9.9	9.1
65°	4996.1	2632.6	62.7	44.6	28.1	20.6	14.9	12.4	9.9	9.1	8.3
67.5°	4535.4	2157.9	52.0	36.3	23.1	17.3	13.2	10.7	9.1	8.3	7.4
70°	3539.0	1531.3	40.5	27.2	19.0	14.0	11.6	9.9	8.3	7.4	7.4
72.5°	2407.2	905.6	32.2	20.6	15.7	12.4	9.9	9.1	8.3	7.4	6.6
75°	1185.4	322.0	24.8	15.7	12.4	10.7	9.1	8.3	7.4	6.6	6.6
77.5°	319.5	89.2	19.0	12.4	9.9	8.3	8.3	8.3	7.4	5.8	5.8
80°	108.1	37.1	14.0	9.1	8.3	6.6	5.8	7.4	6.6	5.8	5.0
82.5°	59.4	18.2	9.9	7.4	5.8	5.0	5.0	5.0	5.0	4.1	4.1
85°	38.0	9.9	6.6	5.8	5.8	4.1	3.3	3.3	2.5	2.5	2.5
87.5°	17.3	5.8	5.8	5.0	5.0	4.1	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)