

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: P635391

Luminaire Tested: GWS-SA3D-760-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635391  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-760-U-SL2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

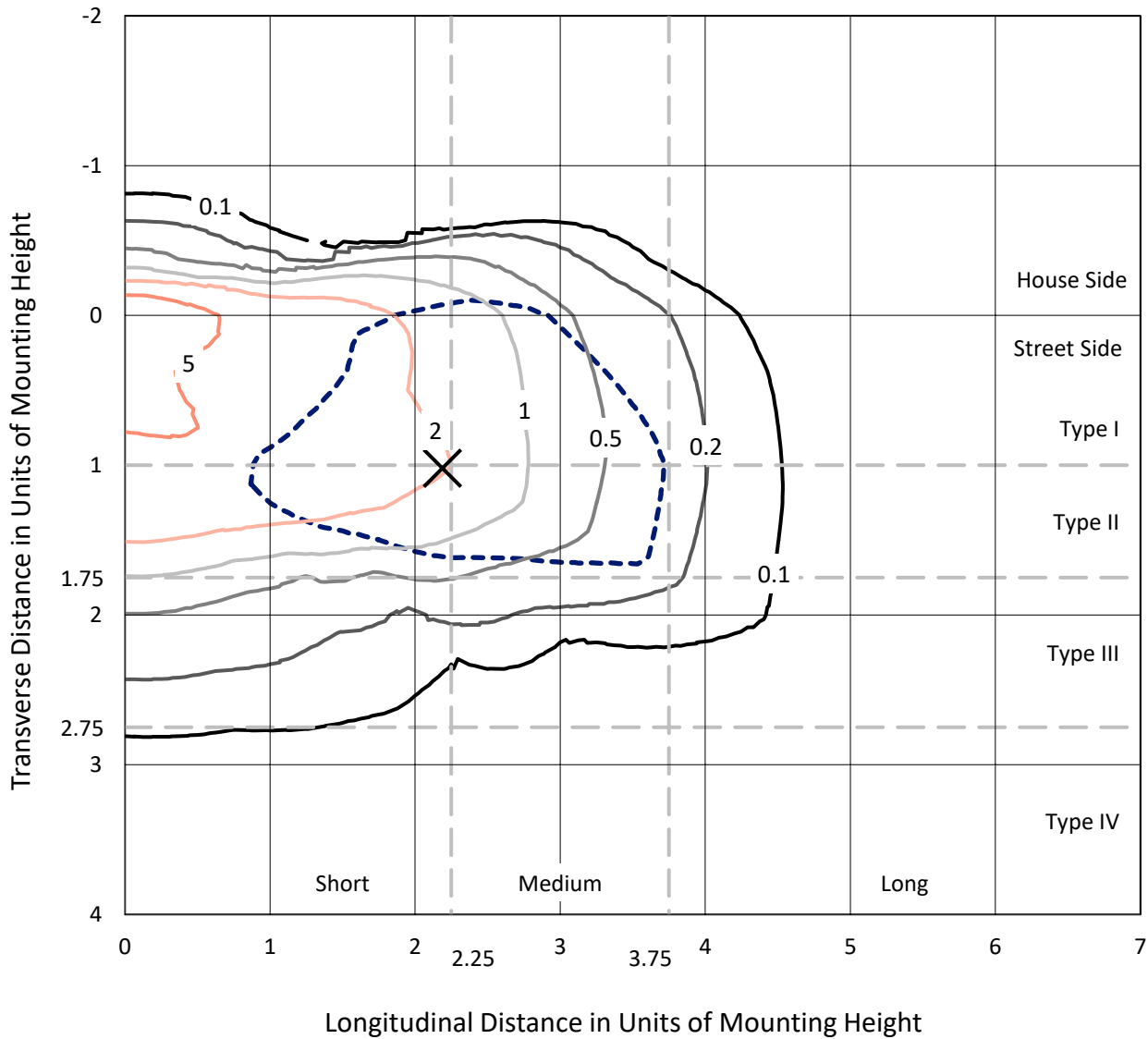
Lumens per Lamp: N/A  
Luminaire Lumens: 14074.5 lumens  
Efficiency: N/A  
Efficacy: 116.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

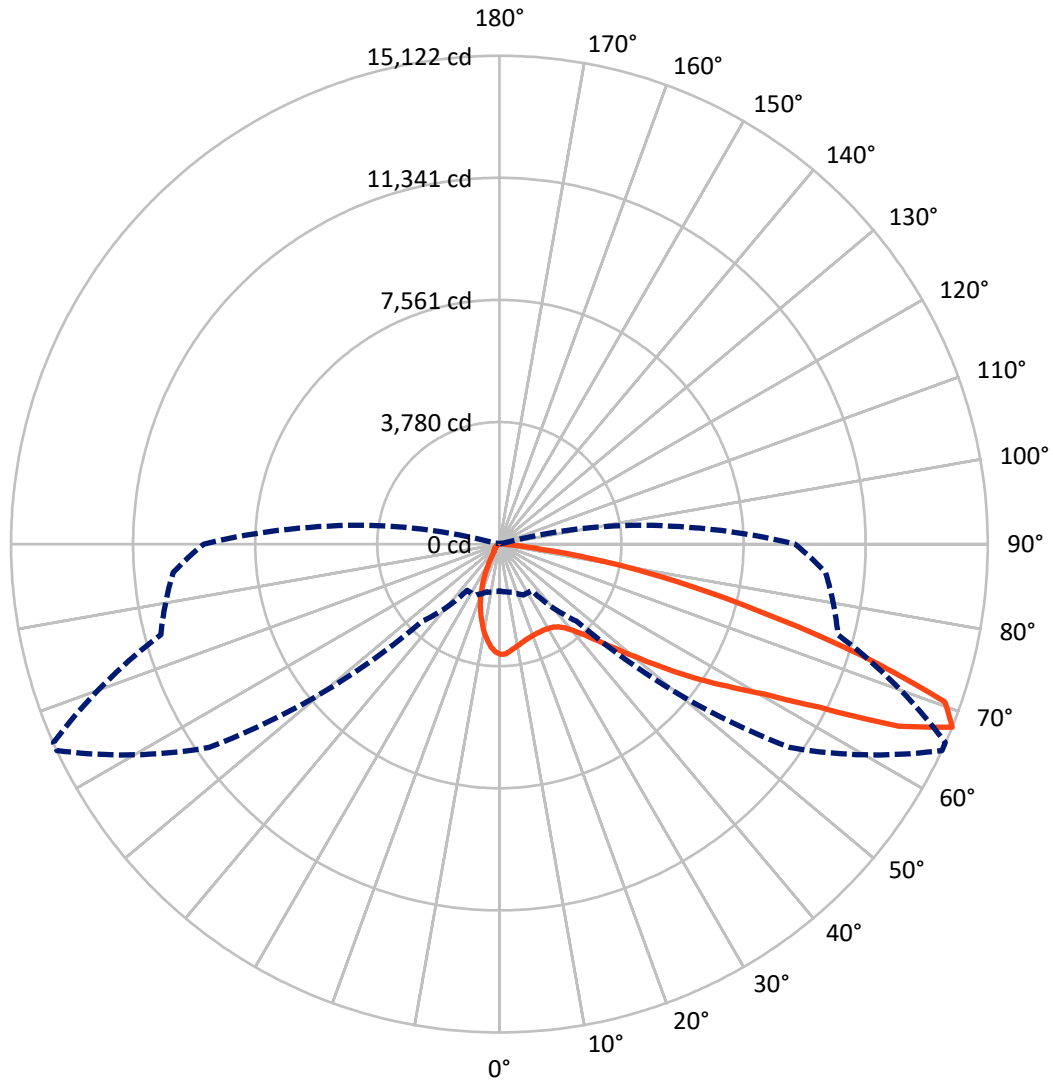
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1757.5	0.0	1757.5
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	12317.0	0.0	12317.0
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	14074.5	0.0	14074.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	283.5	2.0
10°-20°	637.3	4.5
20°-30°	910.7	6.5
30°-40°	1324.9	9.4
40°-50°	2075.1	14.7
50°-60°	3237.2	23.0
60°-70°	3555.9	25.3
70°-80°	1892.4	13.4
80°-90°	157.6	1.1
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°	14074.5	100.0
0°-180°	14074.5	100.0

**Coefficient of Utilization**

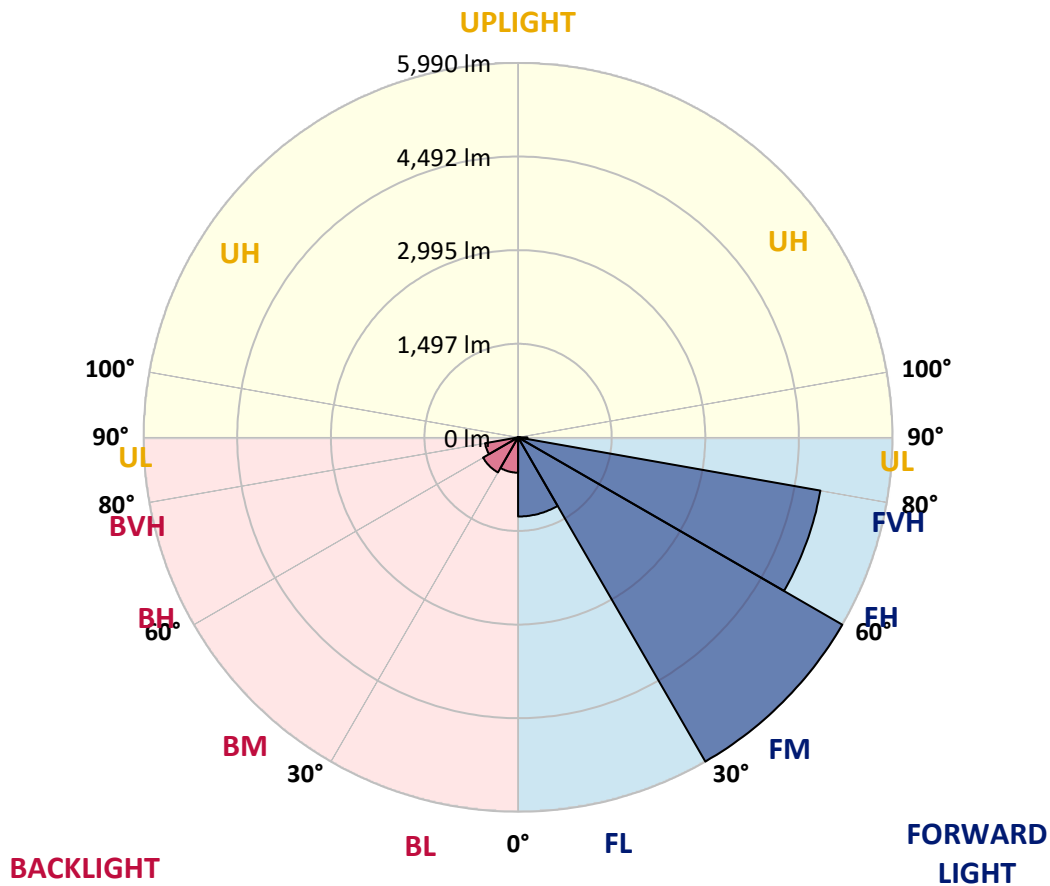


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1266.6	9.0			
FM (30°-60°)	5989.8	42.6			
FH (60°-80°)	4911.5	34.9			G2/5000
FVH (80°-90°)	149.1	1.1			G2/225
BL (0°-30°)	564.9	4.0	B2/1000		
BM (30°-60°)	647.4	4.6	B1/1000		
BH (60°-80°)	536.8	3.8	B2/1000		G2/1000
BVH (80°-90°)	8.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3413.5	3413.5	3413.5	3413.5	3413.5	3413.5	3413.5	3413.5	3413.5	3413.5	3413.5
2.5°	3295.1	3305.3	3291.3	3325.7	3332.1	3370.2	3391.9	3407.1	3405.9	3425.0	3425.0
5°	3101.7	3111.9	3104.2	3141.1	3170.4	3230.2	3279.9	3337.1	3339.7	3398.2	3419.9
7.5°	2937.5	2938.8	2938.8	2984.6	3022.8	3096.6	3170.4	3258.2	3268.4	3358.8	3416.1
10°	2802.6	2806.4	2807.7	2859.9	2901.9	2991.0	3085.1	3190.8	3202.2	3324.4	3413.5
12.5°	2709.7	2711.0	2716.0	2770.8	2816.6	2909.5	3005.0	3125.9	3141.1	3285.0	3402.1
15°	2665.1	2662.6	2665.1	2711.0	2756.8	2845.9	2943.9	3073.7	3090.2	3251.9	3403.3
17.5°	2662.6	2658.8	2656.2	2690.6	2719.9	2798.8	2898.0	3039.3	3057.1	3236.6	3417.3
20°	2699.5	2697.0	2684.2	2699.5	2705.9	2770.8	2868.8	3012.6	3030.4	3234.1	3447.9
22.5°	2796.2	2789.9	2770.8	2756.8	2722.4	2760.6	2848.4	2993.5	3013.9	3240.4	3487.3
25°	2940.0	2937.5	2913.3	2879.0	2791.1	2775.9	2849.7	2993.5	3012.6	3248.1	3529.3
27.5°	3156.4	3141.1	3110.6	3050.8	2924.8	2835.7	2875.1	3001.1	3020.2	3258.2	3563.7
30°	3376.6	3375.3	3365.1	3304.1	3117.0	2950.2	2928.6	3021.5	3039.3	3267.1	3595.5
32.5°	3604.4	3608.2	3633.7	3586.6	3381.7	3120.8	3025.3	3063.5	3076.2	3285.0	3623.5
35°	3820.8	3828.4	3895.9	3912.4	3703.7	3379.1	3183.1	3147.5	3148.8	3324.4	3660.4
37.5°	4028.2	4053.7	4161.9	4242.1	4104.6	3692.2	3411.0	3290.1	3279.9	3403.3	3716.4
40°	4263.7	4312.1	4448.3	4584.4	4541.2	4105.9	3721.5	3509.0	3487.3	3548.4	3817.0
42.5°	4524.6	4576.8	4757.5	4948.4	4968.8	4606.1	4109.7	3828.4	3791.5	3792.8	4005.3
45°	4804.6	4874.6	5084.6	5359.5	5483.0	5163.5	4588.3	4259.9	4223.0	4168.2	4308.3
47.5°	5172.4	5233.5	5435.9	5752.8	5989.6	5761.7	5215.7	4814.8	4747.3	4667.2	4779.2
50°	5489.4	5542.8	5717.2	6114.3	6606.8	6533.0	5927.2	5508.5	5443.5	5307.4	5400.3
52.5°	5559.4	5601.4	5761.7	6208.5	7079.0	7506.7	6799.0	6347.2	6301.4	6049.4	6085.0
55°	5245.0	5308.6	5452.5	5948.8	7202.5	8458.7	7930.5	7292.8	7197.4	6795.2	6858.8
57.5°	4450.8	4564.1	4699.0	5344.3	6867.7	8965.2	9511.2	8294.5	8208.0	7513.0	7514.3
60°	3262.1	3353.7	3444.1	4034.6	6073.6	8930.9	10945.6	9419.6	9261.8	8099.8	8078.1
62.5°	2372.4	2419.5	2418.2	2628.2	4170.8	8342.9	11699.1	11114.9	10747.1	8727.2	8603.8
65°	1865.8	1864.6	1919.3	1988.0	2329.1	6440.1	11792.0	13590.4	13193.3	9568.5	9311.4
67.5°	1452.2	1480.2	1534.9	1737.3	1750.0	3370.2	10974.9	15121.5	15113.9	10852.7	10140.0
70°	1120.0	1158.2	1235.8	1531.1	1616.4	1886.2	8211.8	14636.6	14760.1	11426.7	9553.2
72.5°	719.1	716.6	831.1	1237.1	1552.8	1571.8	4541.2	11626.6	11766.6	10350.0	7724.3
75°	402.2	404.7	469.6	757.3	1447.1	1478.9	2248.9	8290.7	8401.4	8069.2	5934.8
77.5°	157.8	162.9	220.2	398.4	954.6	1321.1	1336.4	5653.5	5670.1	5000.6	3640.1
80°	63.6	67.5	112.0	246.9	581.6	889.7	954.6	3330.8	3263.3	1935.8	1058.9
82.5°	19.1	20.4	44.5	140.0	304.2	632.6	644.0	1277.8	1206.6	416.2	269.8
85°	1.3	1.3	10.2	43.3	108.2	159.1	428.9	416.2	369.1	104.4	119.6
87.5°	0.0	0.0	1.3	1.3	2.5	5.1	45.8	76.4	77.6	19.1	53.5
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°	3413.5	3413.5	3413.5	3413.5	3413.5	3413.5	3413.5	3413.5	3413.5	3413.5	3413.5
2.5°	3425.0	3379.1	3375.3	3339.7	3304.1	3259.5	3207.3	3169.1	3142.4	3095.3	3086.4
5°	3419.9	3358.8	3301.5	3199.7	3086.4	2964.2	2857.3	2758.0	2695.7	2653.7	2635.9
7.5°	3409.7	3332.1	3199.7	3007.5	2817.9	2604.0	2437.3	2284.6	2180.2	2119.1	2092.4
10°	3402.1	3297.7	3082.6	2791.1	2497.1	2201.9	1948.6	1722.0	1596.0	1496.8	1480.2
12.5°	3386.8	3248.1	2932.4	2537.9	2158.6	1766.6	1443.3	1165.8	973.7	887.1	856.6
15°	3371.5	3195.9	2782.2	2270.6	1789.5	1305.8	913.8	646.6	514.2	473.5	470.9
17.5°	3369.0	3148.8	2619.3	2017.3	1402.6	855.3	520.6	418.7	390.7	380.6	380.6
20°	3376.6	3109.3	2458.9	1725.8	1022.0	520.6	388.2	362.7	346.2	337.3	337.3
22.5°	3384.2	3068.6	2304.9	1431.8	678.4	380.6	342.4	320.7	301.6	291.5	286.4
25°	3389.3	3024.0	2134.4	1136.6	442.9	330.9	300.4	272.4	249.5	236.7	236.7
27.5°	3388.1	2970.6	1962.6	847.7	343.6	294.0	257.1	227.8	204.9	190.9	192.2
30°	3377.9	2912.0	1784.4	591.8	300.4	257.1	220.2	189.6	166.7	155.3	154.0
32.5°	3370.2	2849.7	1578.2	416.2	269.8	225.3	187.1	157.8	138.7	129.8	128.5
35°	3361.3	2788.6	1382.2	316.9	243.1	194.7	157.8	133.6	118.4	110.7	110.7
37.5°	3363.9	2725.0	1169.7	272.4	216.4	169.3	134.9	114.5	101.8	94.2	92.9
40°	3403.3	2686.8	960.9	246.9	192.2	146.4	117.1	99.3	86.5	78.9	77.6
42.5°	3501.3	2688.0	761.1	227.8	170.5	124.7	101.8	85.3	73.8	64.9	63.6
45°	3697.3	2741.5	584.2	207.5	147.6	108.2	87.8	72.5	61.1	53.5	52.2
47.5°	4018.1	2900.6	442.9	189.6	128.5	94.2	75.1	61.1	50.9	44.5	43.3
50°	4528.4	3188.2	348.7	168.0	108.2	81.5	63.6	50.9	42.0	35.6	34.4
52.5°	5141.9	3619.7	299.1	148.9	92.9	71.3	54.7	42.0	34.4	29.3	28.0
55°	5847.0	4135.2	276.2	129.8	78.9	61.1	44.5	34.4	28.0	24.2	21.6
57.5°	6493.6	4599.7	274.9	110.7	67.5	52.2	36.9	29.3	24.2	19.1	17.8
60°	7123.6	4987.9	258.4	91.6	58.5	43.3	31.8	24.2	20.4	16.5	15.3
62.5°	7695.0	5303.5	216.4	73.8	49.6	35.6	26.7	21.6	17.8	14.0	14.0
65°	8412.9	5705.7	165.5	59.8	40.7	29.3	22.9	19.1	16.5	12.7	12.7
67.5°	9154.9	5918.3	118.4	49.6	33.1	25.5	20.4	17.8	14.0	11.5	11.5
70°	8292.0	5000.6	85.3	40.7	28.0	21.6	17.8	16.5	14.0	11.5	10.2
72.5°	6475.7	3605.7	63.6	31.8	24.2	20.4	16.5	15.3	12.7	10.2	10.2
75°	4802.1	2102.6	48.4	25.5	19.1	16.5	16.5	15.3	12.7	10.2	8.9
77.5°	2610.4	733.1	36.9	20.4	15.3	12.7	14.0	14.0	11.5	8.9	7.6
80°	691.1	201.1	25.5	15.3	12.7	10.2	10.2	12.7	10.2	7.6	7.6
82.5°	201.1	58.5	17.8	12.7	10.2	8.9	8.9	8.9	7.6	6.4	5.1
85°	98.0	21.6	12.7	10.2	8.9	7.6	6.4	6.4	5.1	3.8	3.8
87.5°	43.3	8.9	10.2	8.9	8.9	6.4	5.1	3.8	3.8	2.5	1.3
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)