

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: P635911

Luminaire Tested: GWS-SA3E-760-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635911  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3E-760-U-T3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

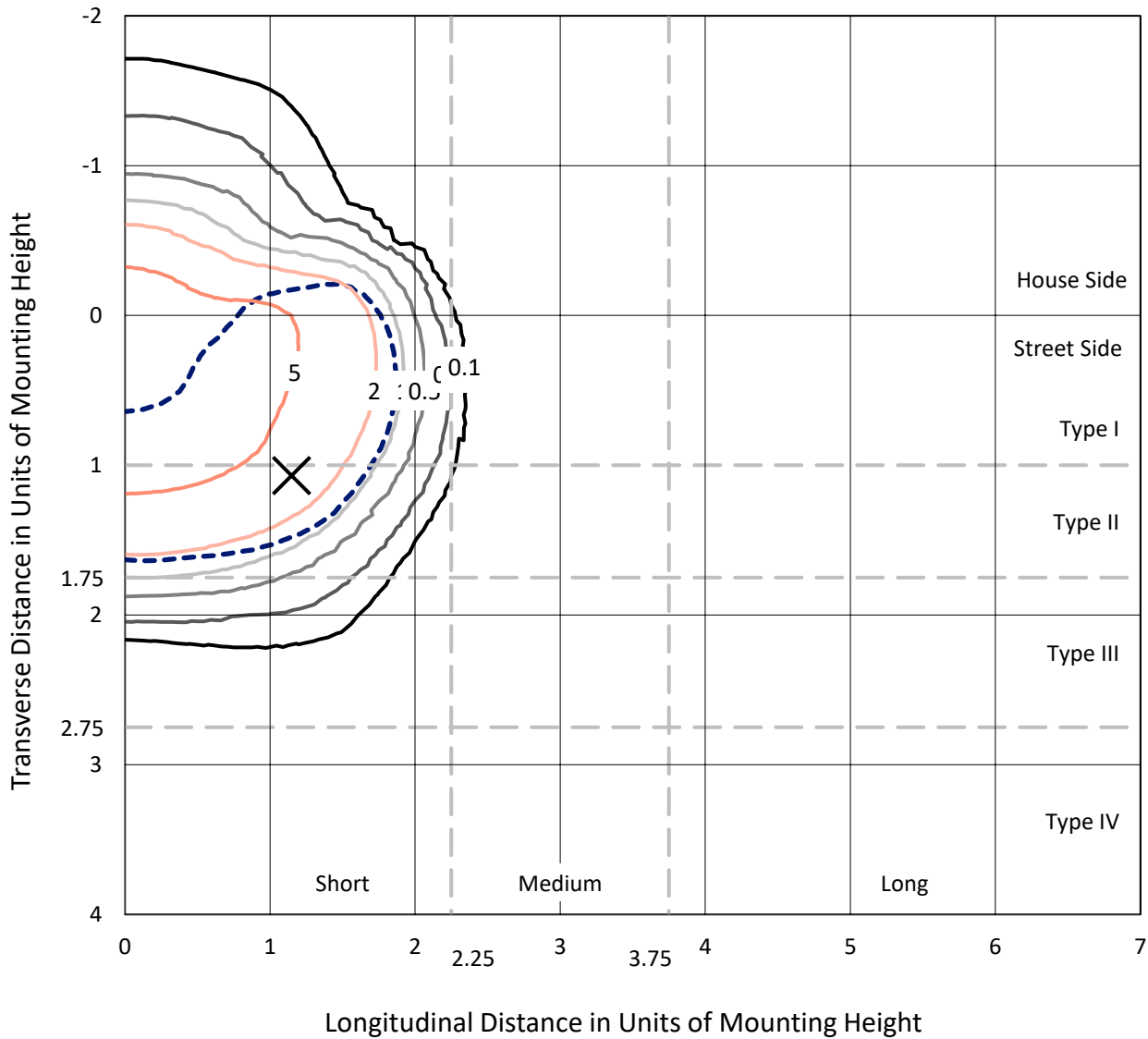
Lumens per Lamp: N/A  
Luminaire Lumens: 13700.9 lumens  
Efficiency: N/A  
Efficacy: 86.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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

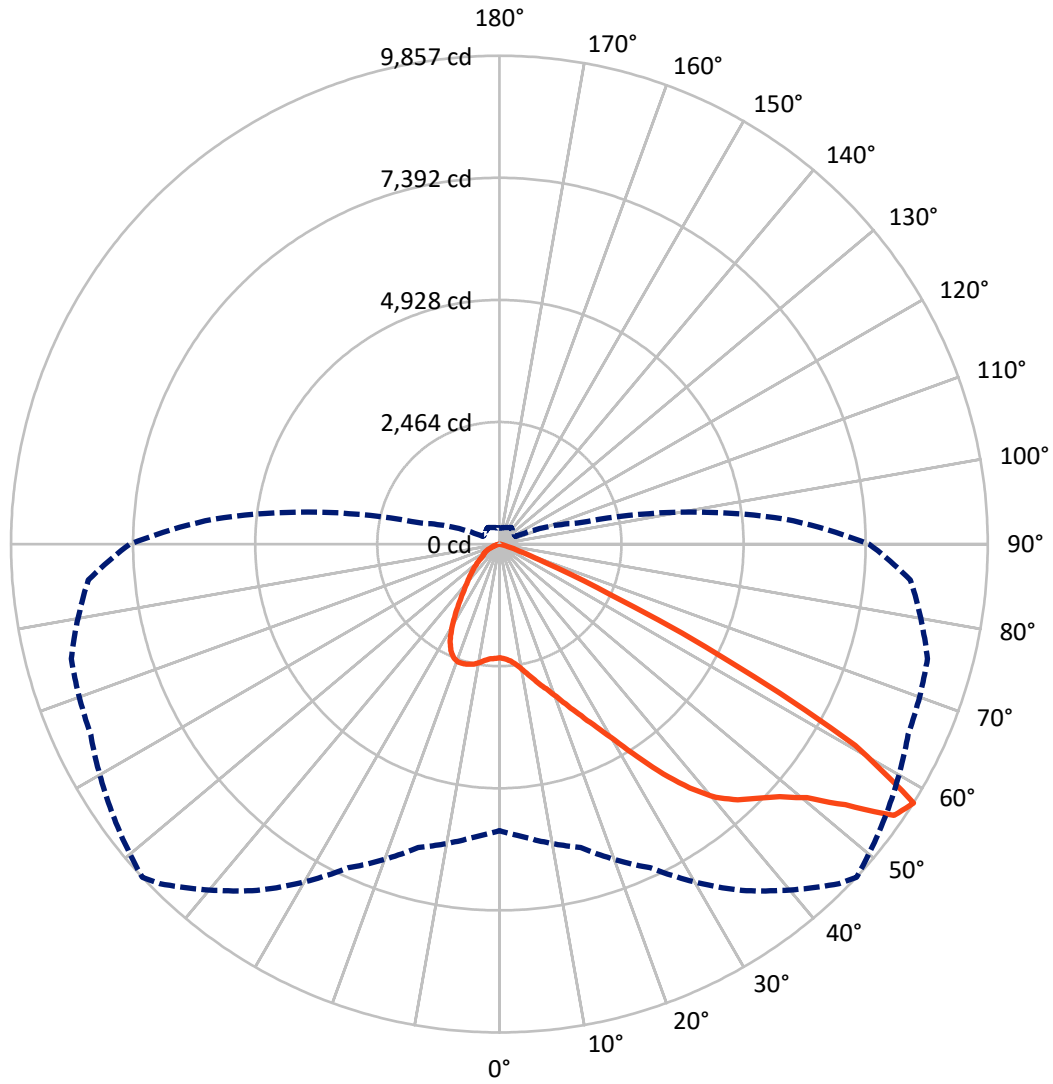
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2972.4	0.0	2972.4
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	10728.5	0.0	10728.5
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	13700.9	0.0	13700.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	228.2	1.7
10°-20°	769.9	5.6
20°-30°	1429.6	10.4
30°-40°	2288.5	16.7
40°-50°	3345.3	24.4
50°-60°	4128.7	30.1
60°-70°	1379.6	10.1
70°-80°	128.5	0.9
80°-90°	2.7	0.0
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°	13700.9	100.0
0°-180°	13700.9	100.0

**Coefficient of Utilization**



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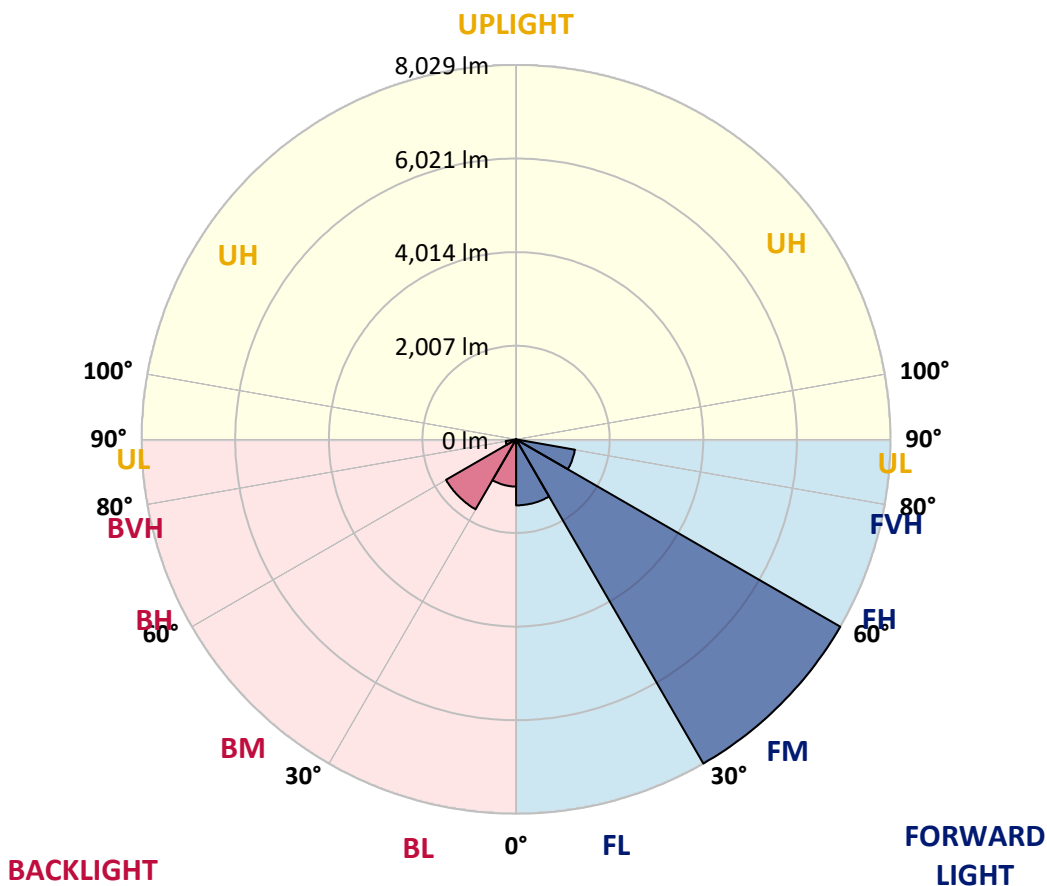
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1415.9	10.3			
FM (30°-60°)	8028.6	58.6			
FH (60°-80°)	1282.1	9.4			G1/1800
FVH (80°-90°)	1.8	0.0			G0/10
BL (0°-30°)	1011.8	7.4	B3/2500		
BM (30°-60°)	1733.8	12.7	B2/2500		
BH (60°-80°)	226.0	1.6	B1/500		G1/500
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2293.5	2293.5	2293.5	2293.5	2293.5	2293.5	2293.5	2293.5	2293.5	2293.5	2293.5
2.5°	2317.4	2315.8	2314.2	2323.8	2320.6	2319.0	2322.2	2322.2	2322.2	2312.6	2293.5
5°	2373.1	2373.1	2371.5	2381.0	2373.1	2368.3	2369.9	2369.9	2363.5	2346.0	2322.2
7.5°	2460.6	2457.4	2454.2	2463.7	2455.8	2454.2	2457.4	2447.8	2436.7	2408.1	2374.7
10°	2586.2	2586.2	2581.4	2591.0	2584.6	2581.4	2581.4	2575.1	2554.4	2509.9	2460.6
12.5°	2759.6	2751.6	2740.5	2732.5	2729.4	2727.8	2729.4	2719.8	2697.5	2640.3	2571.9
15°	2948.8	2942.5	2925.0	2912.3	2894.8	2891.6	2901.1	2893.2	2870.9	2793.0	2695.9
17.5°	3187.4	3195.4	3150.8	3123.8	3072.9	3069.7	3072.9	3085.6	3069.7	2969.5	2828.0
20°	3391.0	3397.4	3364.0	3344.9	3298.8	3278.1	3284.4	3305.1	3287.6	3169.9	2972.7
22.5°	3608.9	3616.9	3581.9	3542.1	3521.4	3521.4	3545.3	3573.9	3550.1	3395.8	3138.1
25°	3869.8	3876.1	3847.5	3795.0	3758.4	3804.5	3839.5	3915.9	3876.1	3666.2	3333.8
27.5°	4168.8	4170.4	4129.0	4074.9	4055.9	4141.7	4176.7	4294.4	4278.5	3970.0	3540.5
30°	4488.5	4490.1	4480.5	4443.9	4426.4	4539.4	4587.1	4757.3	4746.1	4346.9	3822.0
32.5°	4820.9	4820.9	4838.4	4835.2	4855.9	5040.4	5116.7	5310.8	5299.6	4808.2	4172.0
35°	5154.9	5156.5	5186.7	5263.1	5349.0	5593.9	5694.1	5929.5	5904.1	5360.1	4618.9
37.5°	5535.0	5519.1	5560.5	5675.0	5865.9	6149.0	6244.4	6468.7	6440.1	5924.7	5202.6
40°	5993.1	5964.5	5964.5	6098.1	6314.4	6640.5	6721.6	6832.9	6735.9	6381.2	5775.2
42.5°	6498.9	6471.9	6436.9	6554.6	6735.9	6990.4	7057.2	7027.0	6947.4	6812.2	6427.3
45°	7011.1	6969.7	6993.6	7065.1	7170.1	7291.0	7316.4	7176.5	7139.9	7178.1	6966.5
47.5°	7400.7	7372.1	7431.0	7531.2	7617.1	7634.5	7617.1	7423.0	7419.8	7555.0	7340.3
50°	7531.2	7534.3	7696.6	7916.1	8054.4	8068.8	8044.9	7822.2	7792.0	7831.8	7542.3
52.5°	7543.9	7556.6	7793.6	8211.9	8588.9	8760.6	8741.6	8501.4	8205.5	8162.6	7847.7
55°	7236.9	7311.7	7642.5	8253.3	9054.9	9603.6	9667.2	9207.6	8768.6	8732.0	8504.6
57.5°	5784.8	5937.5	6336.7	7206.7	8534.8	9691.1	9856.5	9525.7	9101.0	8945.1	8328.0
60°	3457.8	3647.1	4030.4	5097.7	6495.7	7965.4	8250.1	8296.2	8100.6	7650.5	6389.2
62.5°	1484.0	1468.1	1940.4	2758.0	3863.4	5062.7	5191.5	5391.9	5562.1	5091.3	3877.7
65°	509.0	553.5	769.8	1243.8	1934.1	2350.8	2465.3	2645.1	2886.8	2382.6	1420.3
67.5°	314.9	334.0	443.8	734.8	1043.4	1027.5	976.6	948.0	922.5	631.4	389.7
70°	229.0	244.9	311.7	505.8	701.4	493.1	427.9	346.7	384.9	354.7	276.8
72.5°	154.3	167.0	214.7	307.0	359.5	240.2	222.7	252.9	305.4	291.1	225.9
75°	92.3	100.2	122.5	149.5	146.3	124.1	125.7	178.1	233.8	217.9	160.6
77.5°	63.6	66.8	81.1	97.0	71.6	38.2	35.0	49.3	79.5	79.5	54.1
80°	15.9	20.7	20.7	12.7	11.1	9.5	9.5	14.3	22.3	15.9	8.0
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2	3.2
85°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2
87.5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2
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°	2293.5	2293.5	2293.5	2293.5	2293.5	2293.5	2293.5	2293.5	2293.5	2293.5	2293.5
2.5°	2304.7	2285.6	2298.3	2295.1	2304.7	2307.9	2293.5	2290.4	2292.0	2272.9	2266.5
5°	2326.9	2304.7	2311.0	2304.7	2315.8	2325.4	2320.6	2326.9	2334.9	2320.6	2314.2
7.5°	2374.7	2352.4	2350.8	2341.3	2357.2	2363.5	2361.9	2379.4	2395.3	2385.8	2376.3
10°	2457.4	2427.1	2424.0	2416.0	2420.8	2425.6	2408.1	2411.2	2425.6	2414.4	2409.7
12.5°	2559.2	2522.6	2514.6	2495.5	2495.5	2471.7	2433.5	2425.6	2436.7	2428.7	2420.8
15°	2668.9	2619.6	2606.9	2573.5	2541.7	2497.1	2457.4	2447.8	2455.8	2446.2	2439.9
17.5°	2791.4	2735.7	2694.4	2635.5	2565.5	2513.0	2468.5	2447.8	2435.1	2416.0	2414.4
20°	2912.3	2839.1	2769.1	2675.3	2583.0	2503.5	2430.3	2376.3	2330.1	2301.5	2290.4
22.5°	3052.2	2944.1	2831.1	2699.1	2567.1	2446.2	2317.4	2225.2	2145.6	2118.6	2105.9
25°	3201.7	3061.8	2893.2	2721.4	2513.0	2319.0	2144.0	2007.2	1902.3	1867.3	1853.0
27.5°	3367.2	3174.7	2956.8	2716.6	2401.7	2137.7	1905.5	1735.3	1631.9	1600.1	1611.2
30°	3577.1	3321.0	3036.3	2667.3	2234.7	1883.2	1611.2	1468.1	1390.1	1359.9	1361.5
32.5°	3857.0	3531.0	3152.4	2562.3	2020.0	1593.7	1355.1	1250.2	1197.7	1157.9	1154.7
35°	4257.9	3850.7	3260.6	2393.7	1759.1	1336.0	1162.7	1080.0	1006.8	960.7	968.6
37.5°	4738.2	4253.1	3319.4	2166.3	1466.5	1135.6	1017.9	933.6	850.9	782.5	790.5
40°	5307.6	4779.5	3314.7	1867.3	1199.3	998.9	897.1	798.4	695.1	633.0	639.4
42.5°	5942.2	5277.4	3211.3	1550.8	994.1	887.5	781.0	656.9	556.7	518.5	520.1
45°	6492.5	5681.4	3030.0	1223.1	836.6	779.4	660.1	532.8	488.3	461.3	459.7
47.5°	6899.7	5977.2	2770.7	962.3	709.4	680.7	542.4	477.2	442.2	419.9	416.7
50°	7127.2	6080.6	2484.4	753.9	599.6	577.4	485.1	432.6	408.8	394.5	391.3
52.5°	7432.6	6204.7	2279.2	594.9	502.6	472.4	446.9	402.4	386.5	375.4	370.6
55°	7916.1	6444.8	2101.1	472.4	418.3	411.9	421.5	384.9	375.4	357.9	351.5
57.5°	7461.2	5789.5	1631.9	365.8	353.1	377.0	407.2	367.4	343.6	327.6	321.3
60°	5250.3	3849.1	820.7	294.2	314.9	353.1	383.3	332.4	308.6	311.7	308.6
62.5°	2894.8	1926.1	369.0	246.5	273.6	311.7	327.6	287.9	272.0	299.0	303.8
65°	946.4	655.3	213.1	190.9	216.3	254.5	283.1	273.6	270.4	302.2	311.7
67.5°	291.1	216.3	144.7	136.8	149.5	187.7	238.6	295.8	318.1	327.6	332.4
70°	217.9	170.2	124.1	116.1	122.5	143.1	202.0	246.5	232.2	233.8	230.6
72.5°	175.0	135.2	106.6	101.8	101.8	98.6	106.6	133.6	151.1	159.1	159.1
75°	122.5	95.4	81.1	74.8	58.8	47.7	42.9	42.9	38.2	36.6	35.0
77.5°	41.4	35.0	31.8	25.4	17.5	14.3	12.7	11.1	8.0	4.8	3.2
80°	6.4	4.8	3.2	3.2	3.2	1.6	1.6	1.6	0.0	0.0	0.0
82.5°	3.2	3.2	3.2	3.2	3.2	1.6	1.6	0.0	0.0	0.0	0.0
85°	3.2	3.2	3.2	3.2	3.2	1.6	1.6	0.0	0.0	0.0	0.0
87.5°	3.2	3.2	3.2	3.2	1.6	1.6	1.6	0.0	0.0	0.0	0.0
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)