

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: P635420

Luminaire Tested: GWS-SA3D-760-U-T3R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635420  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-760-U-T3R-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

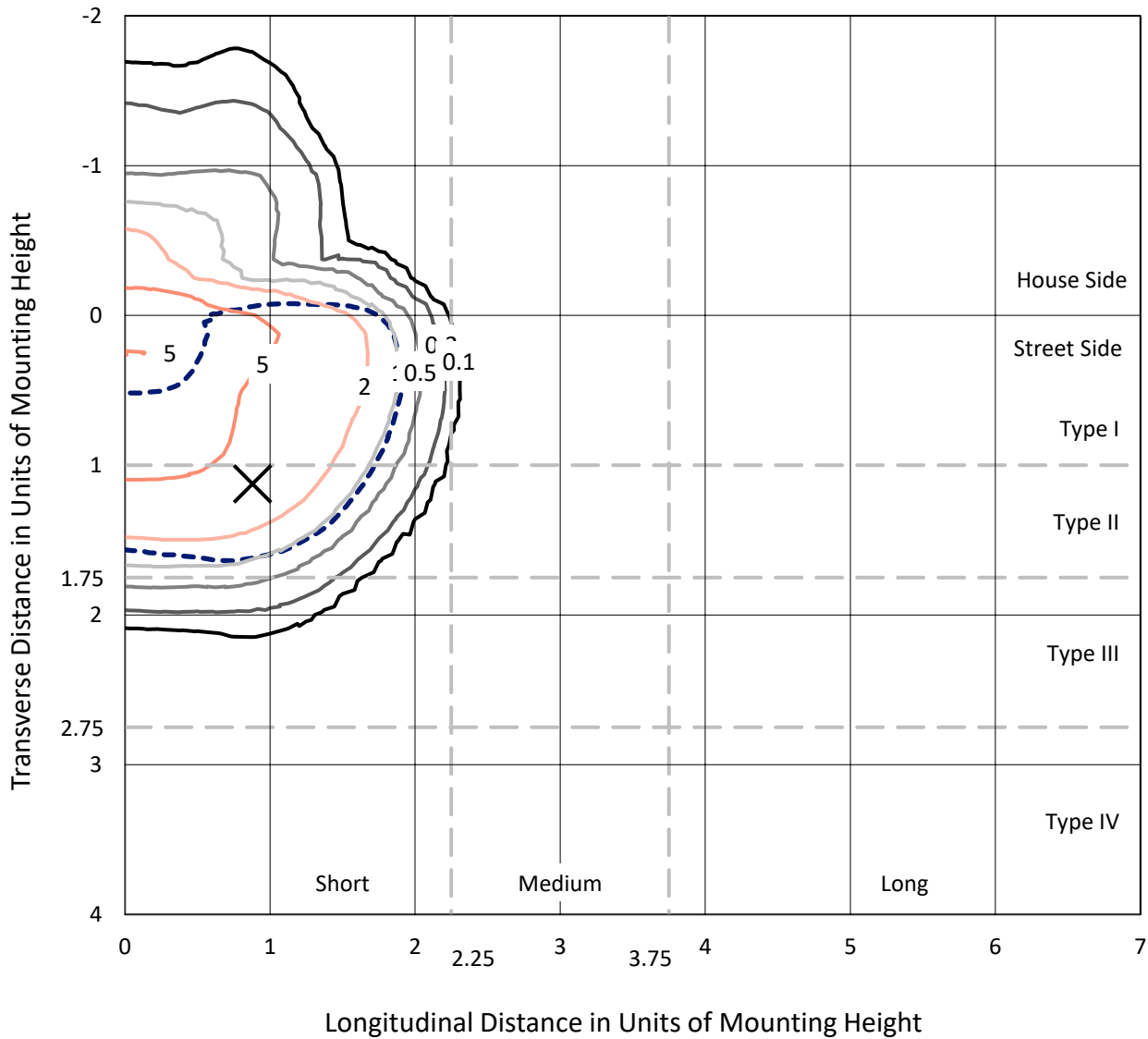
Lumens per Lamp: N/A  
Luminaire Lumens: 11135.6 lumens  
Efficiency: N/A  
Efficacy: 92.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

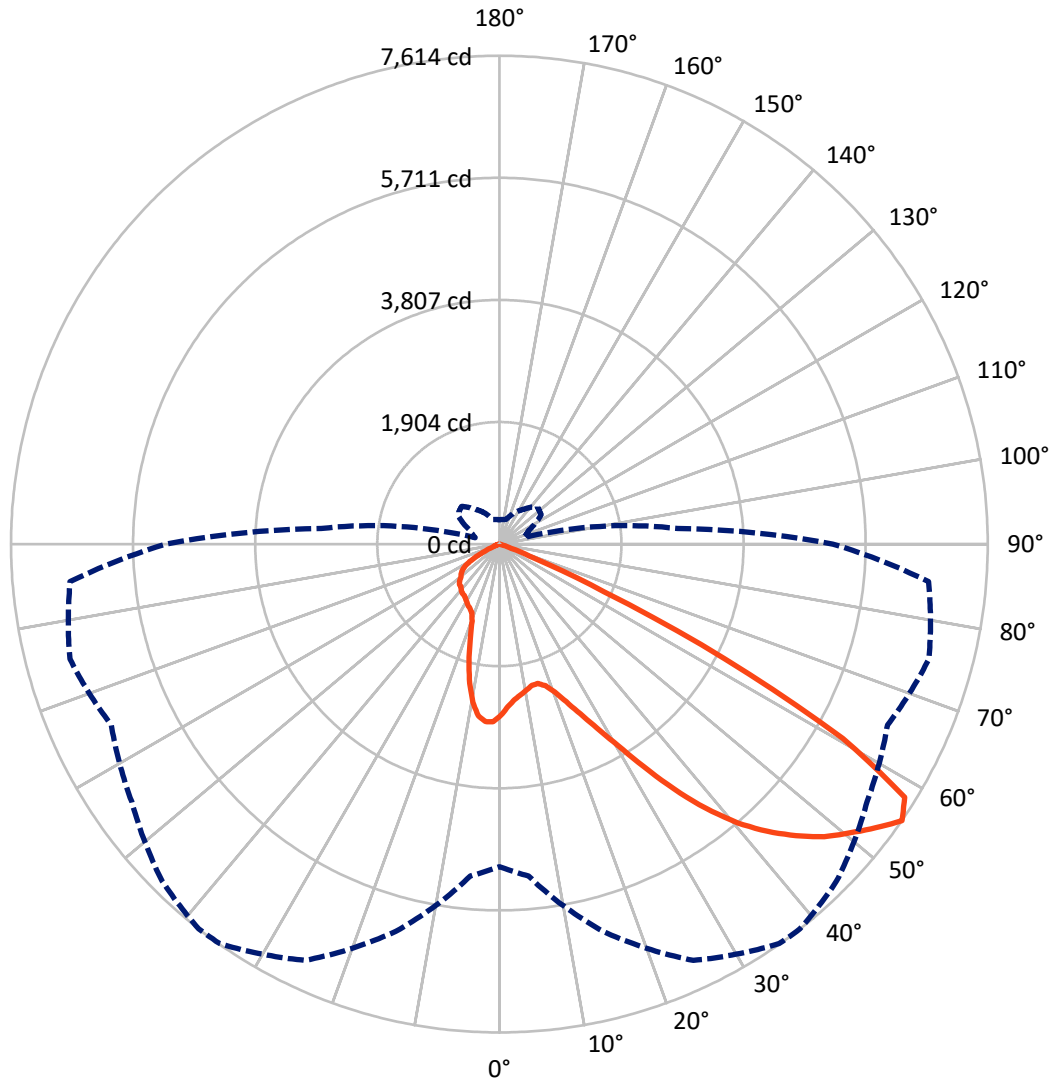
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2169.5	0.0	2169.5
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	8966.0	0.0	8966.0
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	11135.6	0.0	11135.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.9	2.2
10°-20°	664.7	6.0
20°-30°	1140.7	10.2
30°-40°	1891.9	17.0
40°-50°	2781.2	25.0
50°-60°	3249.9	29.2
60°-70°	1101.6	9.9
70°-80°	56.3	0.5
80°-90°	2.2	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°	11135.6	100.0
0°-180°	11135.6	100.0

**Coefficient of Utilization**



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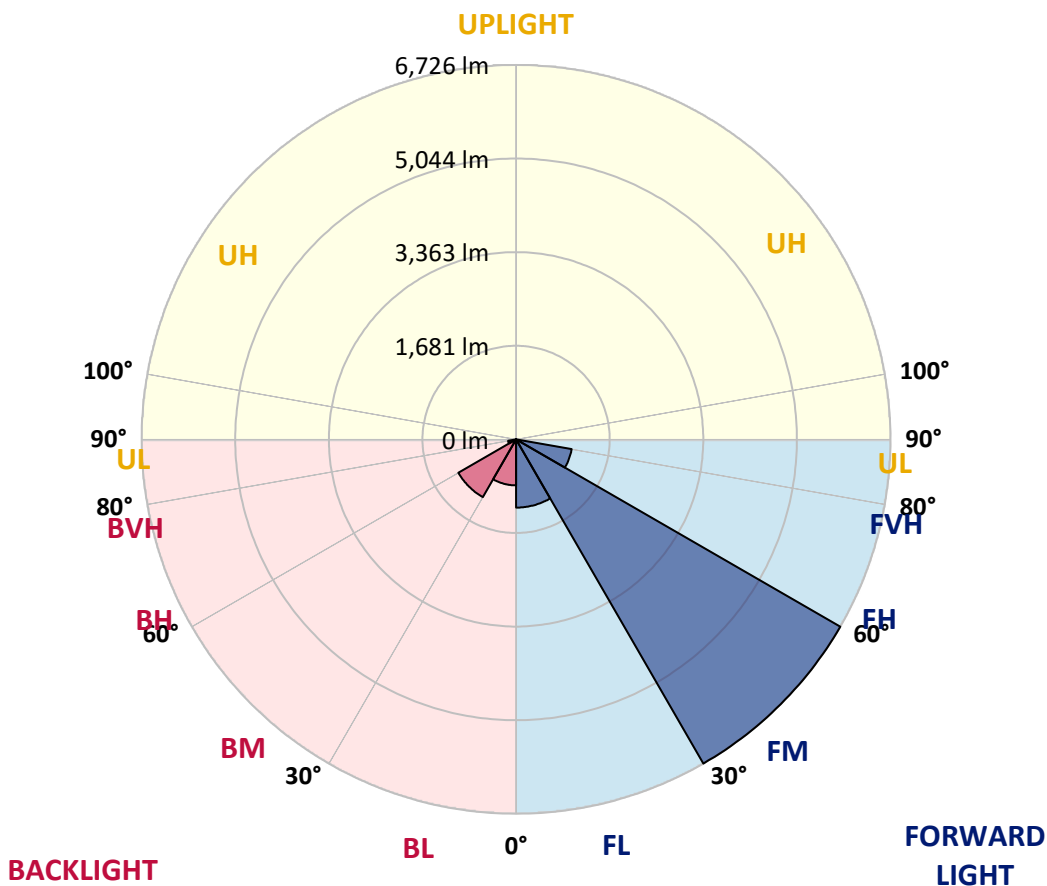
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1225.8	11.0			
FM (30°-60°)	6725.6	60.4			
FH (60°-80°)	1013.5	9.1			G1/1800
FVH (80°-90°)	1.2	0.0			G0/10
BL (0°-30°)	826.6	7.4	B2/1000		
BM (30°-60°)	1197.5	10.8	B2/2500		
BH (60°-80°)	144.4	1.3	B1/500		G1/500
BVH (80°-90°)	1.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	2670.4	2670.4	2670.4	2670.4	2670.4	2670.4	2670.4	2670.4	2670.4	2670.4	2670.4
2.5°	2487.1	2482.0	2492.2	2512.6	2531.7	2538.0	2557.1	2583.8	2600.4	2639.9	2671.7
5°	2375.1	2372.6	2382.7	2400.6	2426.0	2434.9	2464.2	2508.8	2553.3	2622.0	2689.5
7.5°	2273.3	2272.0	2287.3	2326.7	2363.6	2375.1	2410.7	2465.5	2525.3	2630.9	2730.2
10°	2139.6	2140.9	2170.2	2226.2	2293.6	2316.6	2373.8	2452.7	2530.4	2666.6	2804.0
12.5°	2096.4	2098.9	2114.2	2157.5	2231.3	2260.6	2340.7	2460.4	2559.7	2717.5	2899.5
15°	2202.0	2202.0	2189.3	2194.4	2227.5	2254.2	2338.2	2485.8	2609.3	2778.6	2993.7
17.5°	2406.9	2399.3	2367.5	2324.2	2312.7	2321.6	2389.1	2540.6	2679.3	2849.9	3100.6
20°	2684.4	2686.9	2624.6	2534.2	2461.7	2460.4	2501.1	2637.3	2779.9	2935.2	3216.4
22.5°	3020.4	3010.2	2927.5	2804.0	2678.0	2667.9	2684.4	2785.0	2925.0	3070.1	3359.0
25°	3409.9	3404.8	3287.7	3122.3	2955.5	2931.3	2931.3	3030.6	3132.4	3262.3	3529.6
27.5°	3817.2	3817.2	3703.9	3513.0	3291.5	3248.3	3241.9	3359.0	3426.5	3451.9	3673.4
30°	4236.0	4230.9	4118.9	3922.9	3686.1	3641.6	3623.8	3710.3	3758.7	3682.3	3852.9
32.5°	4661.1	4670.0	4556.7	4374.7	4163.4	4134.2	4079.4	4079.4	4118.9	4012.0	4135.4
35°	5118.1	5115.5	5026.4	4903.0	4722.2	4689.1	4598.7	4457.5	4517.3	4470.2	4526.2
37.5°	5521.5	5540.6	5497.4	5405.7	5259.3	5226.2	5077.3	4821.5	4867.3	4941.1	4990.8
40°	5931.4	5946.7	5989.9	5960.7	5776.1	5715.0	5450.3	5030.2	5081.1	5334.4	5477.0
42.5°	6333.6	6341.3	6429.1	6477.4	6230.5	6123.6	5732.8	5157.5	5211.0	5642.5	5891.9
45°	6589.5	6606.0	6751.1	6898.8	6631.5	6485.1	5978.5	5320.4	5343.3	5856.3	6198.7
47.5°	6579.3	6617.5	6889.8	7158.4	6976.4	6818.6	6273.8	5581.4	5543.2	6057.4	6401.1
50°	6374.3	6420.2	6810.9	7237.3	7224.6	7078.2	6602.2	5959.4	5839.8	6235.6	6426.5
52.5°	5949.2	6081.6	6672.2	7247.5	7424.4	7350.6	7008.2	6468.5	6240.7	6491.4	6467.3
55°	5030.2	5193.2	6250.9	7161.0	7605.2	7614.1	7434.6	6999.3	6676.0	6931.8	6718.0
57.5°	3818.5	3948.3	4811.3	6374.3	7306.1	7452.4	7600.1	7279.3	6944.6	7232.2	6776.6
60°	2301.3	2451.5	3012.8	4677.7	5900.9	6150.3	6729.5	6667.1	6263.6	6387.1	5557.2
62.5°	933.0	1011.9	1391.2	2577.5	3714.1	3947.1	4502.0	4596.2	4496.9	4370.9	3370.5
65°	341.1	372.9	557.5	1065.4	1708.1	1793.4	2086.2	2252.9	2390.4	2035.3	1253.7
67.5°	211.3	231.7	362.8	547.3	621.1	577.9	588.0	701.3	669.5	413.7	224.0
70°	156.6	173.1	283.8	379.3	250.7	193.5	131.1	140.0	126.0	110.7	109.5
72.5°	108.2	123.5	212.6	224.0	96.7	68.7	48.4	67.5	76.4	75.1	77.6
75°	71.3	82.7	133.6	87.8	24.2	19.1	16.5	35.6	45.8	45.8	47.1
77.5°	42.0	48.4	47.1	17.8	5.1	5.1	3.8	6.4	10.2	11.5	14.0
80°	5.1	3.8	2.5	2.5	2.5	2.5	2.5	2.5	3.8	3.8	3.8
82.5°	1.3	1.3	1.3	2.5	2.5	2.5	2.5	2.5	2.5	3.8	3.8
85°	0.0	0.0	1.3	1.3	2.5	2.5	2.5	2.5	2.5	3.8	3.8
87.5°	0.0	0.0	1.3	1.3	2.5	2.5	2.5	2.5	2.5	3.8	3.8
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°	2670.4	2670.4	2670.4	2670.4	2670.4	2670.4	2670.4	2670.4	2670.4	2670.4	2670.4
2.5°	2695.9	2686.9	2723.9	2750.6	2772.2	2782.4	2768.4	2767.1	2767.1	2739.1	2731.5
5°	2727.7	2731.5	2783.7	2806.6	2810.4	2797.7	2765.9	2744.2	2731.5	2702.2	2685.7
7.5°	2788.8	2801.5	2851.1	2847.3	2813.0	2754.4	2670.4	2605.5	2563.5	2517.7	2489.7
10°	2876.6	2900.8	2931.3	2877.9	2768.4	2619.5	2446.4	2322.9	2249.1	2196.9	2165.1
12.5°	2983.5	3007.7	2997.5	2871.5	2643.7	2377.7	2154.9	1976.7	1891.4	1844.3	1811.2
15°	3091.7	3107.0	3040.8	2795.1	2423.5	2065.8	1817.6	1640.7	1536.3	1498.1	1470.1
17.5°	3202.4	3198.6	3048.4	2644.9	2129.4	1714.5	1470.1	1349.2	1319.9	1313.6	1311.0
20°	3318.3	3283.9	3017.9	2429.8	1775.6	1367.0	1228.3	1235.9	1289.4	1314.8	1319.9
22.5°	3450.6	3364.1	2941.5	2138.4	1414.1	1139.2	1153.2	1228.3	1300.8	1335.2	1340.3
25°	3591.9	3437.9	2814.2	1764.1	1115.0	1047.5	1130.3	1216.8	1294.5	1336.5	1341.6
27.5°	3684.8	3455.7	2605.5	1387.4	957.2	1011.9	1099.7	1182.5	1262.6	1308.5	1314.8
30°	3785.4	3448.1	2321.6	1069.2	903.7	981.4	1057.7	1132.8	1206.6	1257.6	1262.6
32.5°	3933.1	3443.0	1975.4	868.1	882.1	957.2	1013.2	1075.5	1126.5	1155.7	1151.9
35°	4126.5	3436.6	1571.9	782.8	869.3	938.1	982.6	1011.9	955.9	938.1	941.9
37.5°	4374.7	3451.9	1232.1	747.2	865.5	933.0	971.2	887.2	800.6	767.5	762.4
40°	4649.7	3491.4	939.4	733.2	878.3	945.7	927.9	789.2	682.2	617.3	603.3
42.5°	4925.9	3534.7	743.3	728.1	899.9	981.4	856.6	717.9	557.5	520.6	515.5
45°	5130.8	3527.0	642.8	719.2	919.0	1001.7	837.5	616.1	497.7	481.1	482.4
47.5°	5233.9	3443.0	588.0	698.8	926.6	981.4	790.4	574.0	456.9	474.8	490.0
50°	5179.2	3225.4	537.1	659.3	910.1	954.6	715.3	542.2	436.6	510.4	544.8
52.5°	5113.0	2958.1	481.1	598.2	870.6	917.7	686.1	533.3	423.9	492.6	518.0
55°	5200.8	2788.8	389.5	504.0	793.0	831.2	663.1	532.0	394.6	383.1	379.3
57.5°	5077.3	2451.5	278.8	362.8	608.4	658.1	646.6	523.1	350.0	348.8	353.8
60°	3924.1	1495.6	190.9	230.4	372.9	420.0	586.8	500.2	301.7	277.5	278.8
62.5°	2230.0	636.4	131.1	142.6	190.9	226.6	448.0	454.4	278.8	264.7	278.8
65°	776.4	227.8	101.8	95.5	105.6	120.9	257.1	351.3	253.3	229.1	231.7
67.5°	160.4	113.3	90.4	78.9	78.9	78.9	131.1	218.9	208.7	182.0	184.6
70°	101.8	96.7	78.9	67.5	64.9	59.8	75.1	120.9	143.8	132.4	133.6
72.5°	75.1	73.8	62.4	54.7	48.4	43.3	47.1	59.8	73.8	76.4	77.6
75°	45.8	47.1	40.7	34.4	30.5	26.7	28.0	28.0	28.0	25.5	28.0
77.5°	14.0	15.3	12.7	10.2	8.9	8.9	8.9	7.6	6.4	3.8	3.8
80°	3.8	3.8	3.8	3.8	3.8	2.5	2.5	1.3	1.3	0.0	0.0
82.5°	3.8	3.8	3.8	3.8	2.5	2.5	1.3	1.3	0.0	0.0	0.0
85°	3.8	3.8	3.8	3.8	2.5	2.5	1.3	1.3	0.0	0.0	0.0
87.5°	3.8	3.8	3.8	3.8	2.5	2.5	1.3	1.3	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)