

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: P641692

Luminaire Tested: GWS-SA6B-735-U-T3R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641692  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-735-U-T3R-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (96) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

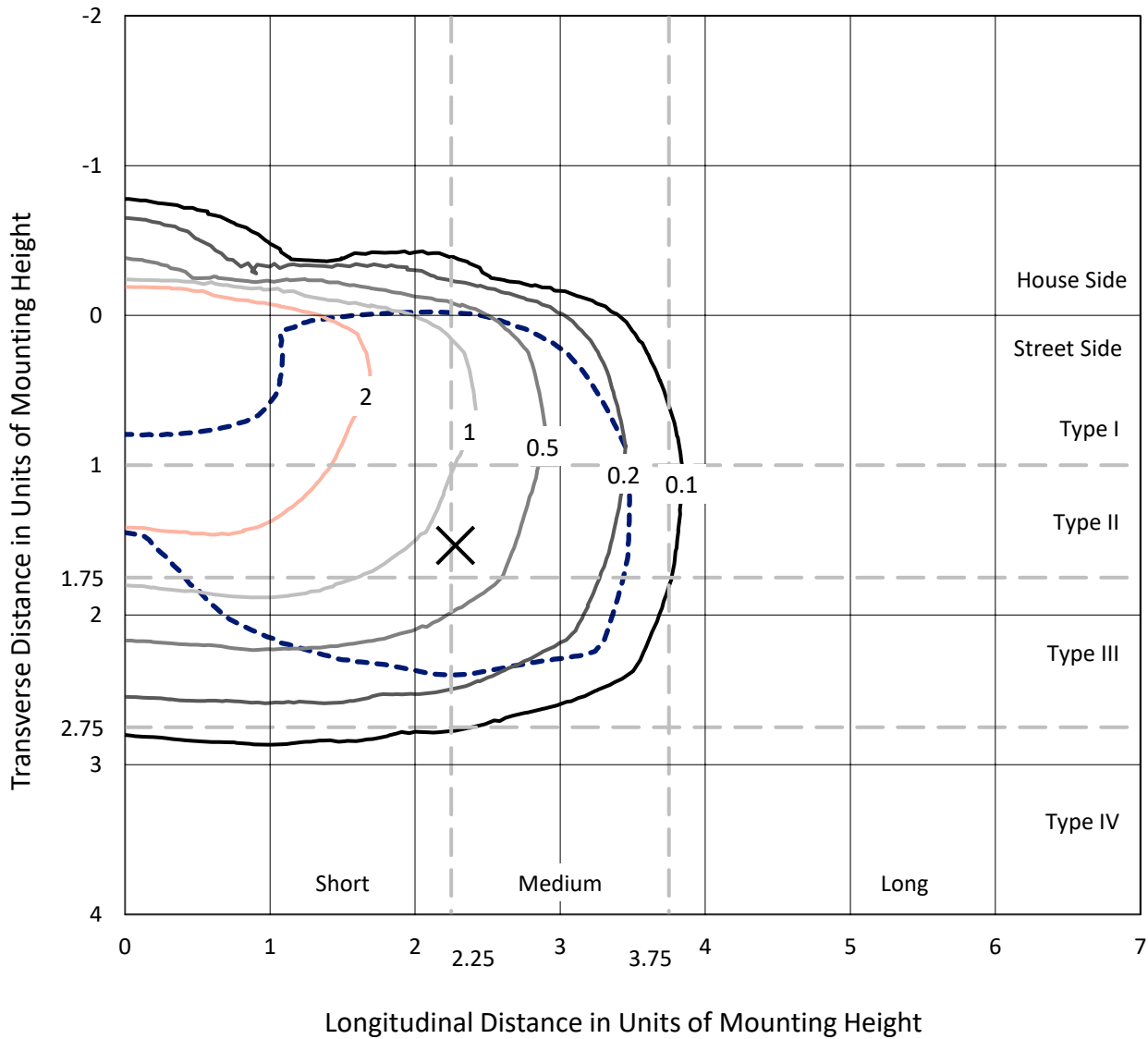
Lumens per Lamp: N/A  
Luminaire Lumens: 16347.2 lumens  
Efficiency: N/A  
Efficacy: 117.7 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): 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

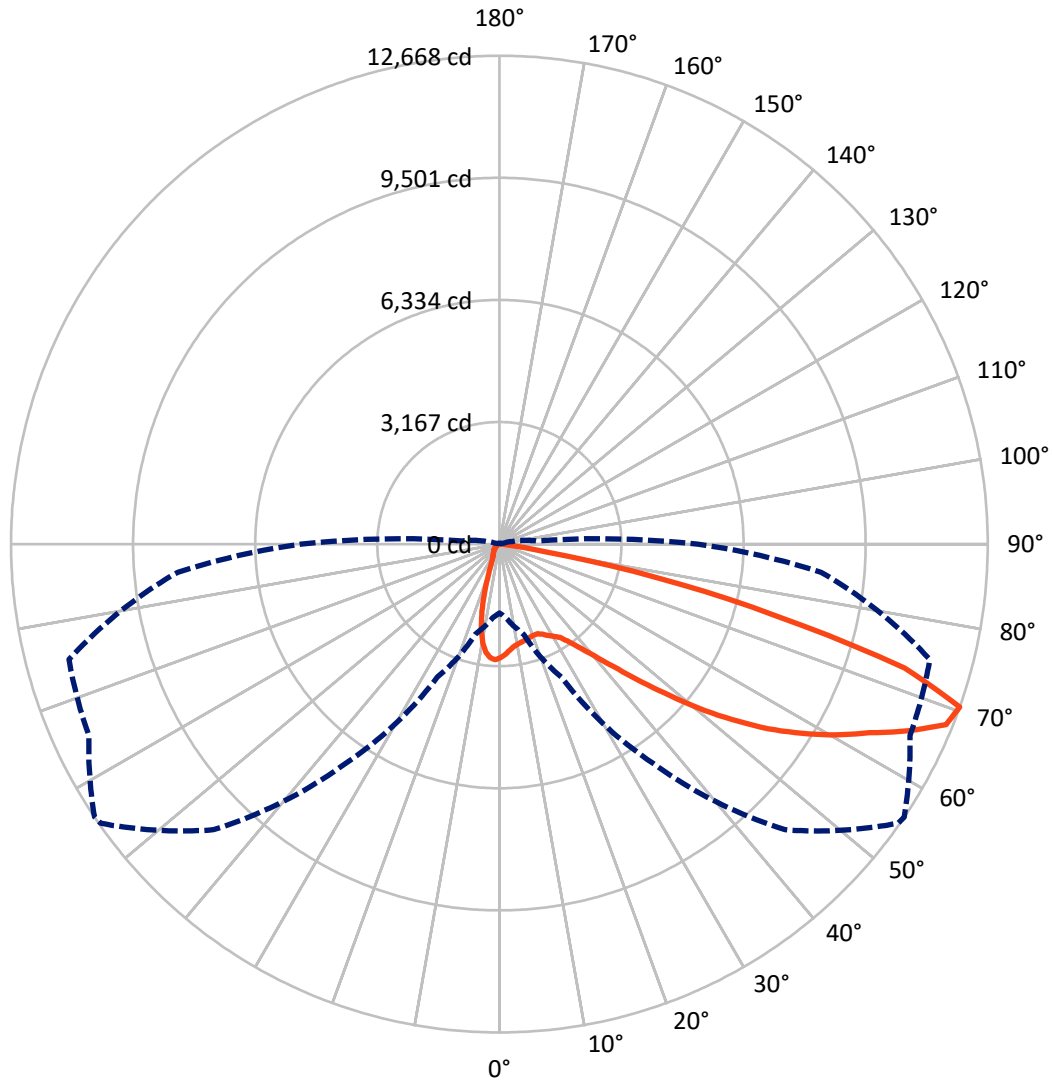
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1468.3	0.0	1468.3
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	14878.9	0.0	14878.9
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	16347.2	0.0	16347.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	253.1	1.5
10°-20°	569.2	3.5
20°-30°	901.6	5.5
30°-40°	1554.8	9.5
40°-50°	2625.5	16.1
50°-60°	3857.8	23.6
60°-70°	4573.6	28.0
70°-80°	1950.4	11.9
80°-90°	61.3	0.4
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°	16347.2	100.0
0°-180°	16347.2	100.0

**Coefficient of Utilization**

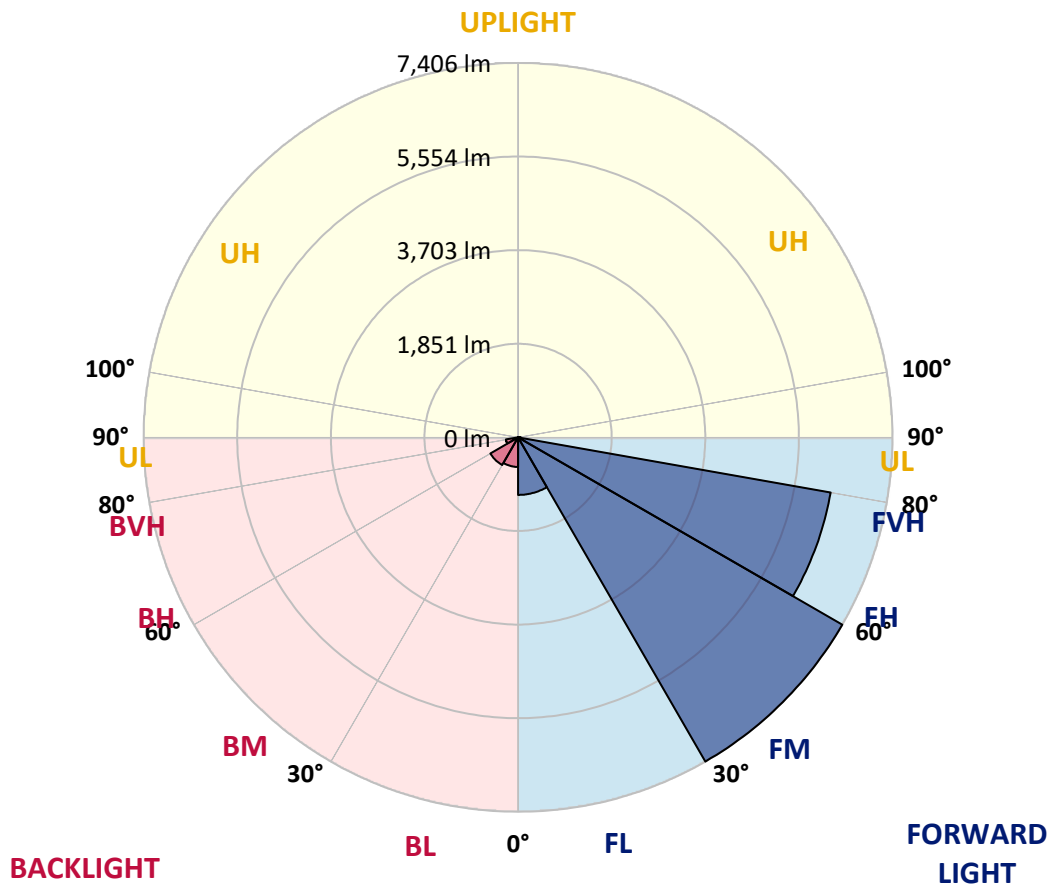


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1139.1	7.0			
FM (30°-60°)	7405.7	45.3			
FH (60°-80°)	6279.1	38.4			G3/7500
FVH (80°-90°)	55.0	0.3			G1/100
BL (0°-30°)	584.8	3.6	B2/1000		
BM (30°-60°)	632.4	3.9	B1/1000		
BH (60°-80°)	244.9	1.5	B1/500		G1/500
BVH (80°-90°)	6.2	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-G3**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2947.6	2947.6	2947.6	2947.6	2947.6	2947.6	2947.6	2947.6	2947.6	2947.6	2947.6
2.5°	2744.0	2739.5	2742.5	2764.9	2806.8	2826.3	2859.2	2865.2	2892.2	2926.6	2940.1
5°	2565.8	2550.9	2558.3	2589.8	2637.7	2691.6	2753.0	2769.4	2836.8	2913.1	2970.0
7.5°	2402.7	2386.2	2404.2	2453.6	2520.9	2579.3	2670.6	2681.1	2788.9	2923.6	3026.9
10°	2146.7	2151.2	2187.1	2273.9	2377.2	2498.5	2621.2	2636.2	2769.4	2958.0	3118.2
12.5°	1950.6	1940.1	1979.0	2077.8	2223.0	2399.7	2583.8	2603.3	2770.9	3010.4	3235.0
15°	1859.3	1856.3	1872.7	1944.6	2085.3	2293.4	2549.4	2574.8	2790.4	3058.3	3345.8
17.5°	1862.3	1857.8	1856.3	1898.2	2003.0	2214.0	2511.9	2544.9	2806.8	3110.7	3462.5
20°	1992.5	1971.5	1934.1	1914.6	1977.5	2163.1	2486.5	2523.9	2830.8	3166.1	3586.8
22.5°	2264.9	2272.4	2172.1	2067.3	2037.4	2169.1	2483.5	2526.9	2883.2	3252.9	3739.5
25°	2809.8	2797.9	2612.2	2377.2	2214.0	2238.0	2535.9	2588.3	2986.5	3377.2	3883.2
27.5°	3492.5	3502.9	3248.5	2874.2	2532.9	2380.2	2631.7	2684.1	3106.2	3455.0	3979.0
30°	4236.5	4226.0	3953.5	3538.9	2985.0	2616.7	2727.5	2773.9	3166.1	3497.0	4077.8
32.5°	4940.1	4916.1	4646.6	4212.5	3561.3	2989.5	2859.2	2886.2	3245.5	3588.3	4211.0
35°	5540.3	5538.8	5303.8	4841.3	4154.1	3456.5	3085.3	3107.7	3393.7	3733.5	4407.1
37.5°	6160.1	6139.1	5875.7	5453.5	4763.4	3968.5	3431.1	3422.1	3627.2	3947.6	4648.1
40°	6669.1	6655.6	6453.5	6047.8	5396.6	4534.4	3850.2	3823.3	3904.1	4244.0	4983.5
42.5°	7046.3	7047.8	6984.9	6737.9	6067.3	5188.6	4377.2	4335.3	4333.8	4691.6	5426.6
45°	7332.2	7351.7	7446.0	7408.6	6859.2	5950.5	5052.3	5008.9	4935.6	5272.4	5934.1
47.5°	7465.5	7490.9	7775.3	7925.0	7552.3	6706.5	5856.2	5764.9	5621.2	6044.8	6501.4
50°	7452.0	7496.9	7893.6	8348.7	8181.0	7473.0	6731.9	6688.5	6453.5	6862.2	7062.8
52.5°	7146.6	7242.4	7901.1	8606.2	8664.6	8179.5	7637.6	7556.8	7443.0	7715.5	7589.7
55°	6317.3	6434.0	7585.2	8688.5	9041.8	8796.3	8523.8	8458.0	8269.3	8520.8	8049.3
57.5°	5866.7	5967.0	6920.6	8648.1	9362.1	9366.6	9312.7	9258.9	9103.2	9317.2	8588.2
60°	5595.7	5696.0	6565.8	8499.9	9652.6	9968.4	10053.8	10047.8	9823.2	10222.9	9219.9
62.5°	5199.0	5336.8	6196.0	8115.2	9859.1	10561.2	10818.7	10778.3	10528.3	11166.0	9845.7
65°	4398.1	4517.9	5438.5	7480.4	9737.9	11052.2	11648.0	11669.0	11380.1	12053.7	10339.7
67.5°	3083.8	3172.1	4086.8	6148.1	8914.5	11213.9	12496.8	12495.3	12002.8	12508.8	10121.1
70°	1787.4	1908.7	2414.6	3800.8	6935.5	10478.9	12624.1	12667.5	11749.8	11558.2	8375.6
72.5°	691.6	791.9	1368.2	2019.4	3616.7	8026.8	10859.1	10986.4	9833.7	8916.0	5829.3
75°	206.6	230.5	643.7	1074.8	1452.1	3877.2	7351.7	7387.6	6745.4	5561.3	2988.0
77.5°	154.2	170.7	281.4	543.4	509.0	1175.1	3803.8	4154.1	3580.8	1986.5	823.3
80°	104.8	124.2	200.6	265.0	188.6	312.9	1068.8	1173.6	1092.8	446.1	206.6
82.5°	46.4	59.9	142.2	133.2	68.9	89.8	329.3	350.3	226.0	134.7	71.9
85°	4.5	6.0	53.9	58.4	25.4	21.0	68.9	68.9	49.4	46.4	29.9
87.5°	0.0	0.0	1.5	3.0	3.0	4.5	6.0	7.5	9.0	12.0	15.0
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°	2947.6	2947.6	2947.6	2947.6	2947.6	2947.6	2947.6	2947.6	2947.6	2947.6	2947.6
2.5°	2974.5	2956.5	2979.0	2997.0	3001.5	2968.5	2949.1	2920.6	2914.6	2916.1	2908.6
5°	3014.9	3005.9	3022.4	3003.0	2952.1	2856.2	2773.9	2682.6	2633.2	2604.8	2601.8
7.5°	3089.8	3085.3	3067.3	2979.0	2820.3	2607.7	2402.7	2202.1	2077.8	2032.9	2025.4
10°	3200.6	3191.6	3118.2	2908.6	2570.3	2161.6	1817.3	1529.9	1354.8	1303.9	1241.0
12.5°	3327.8	3309.8	3149.7	2757.4	2193.1	1627.2	1197.6	875.7	724.5	679.6	679.6
15°	3450.6	3411.6	3131.7	2507.5	1729.0	1058.4	669.2	506.0	459.6	447.6	447.6
17.5°	3576.3	3501.4	3061.3	2166.1	1194.6	625.7	446.1	414.7	408.7	410.2	411.7
20°	3694.6	3577.8	2937.1	1756.0	762.0	437.1	399.7	392.2	389.2	392.2	390.7
22.5°	3823.3	3648.2	2748.5	1308.4	495.5	393.7	380.2	374.2	371.3	375.7	375.7
25°	3950.5	3699.1	2498.5	880.2	393.7	366.8	359.3	353.3	350.3	351.8	351.8
27.5°	4016.4	3679.6	2170.6	561.4	353.3	339.8	332.3	324.8	320.4	318.9	320.4
30°	4061.3	3619.7	1769.4	399.7	320.4	303.9	296.4	290.4	278.4	271.0	273.9
32.5°	4131.7	3559.8	1333.8	335.3	293.4	268.0	256.0	241.0	224.5	217.1	217.1
35°	4215.5	3477.5	935.6	302.4	265.0	238.0	215.6	190.1	170.7	164.7	164.7
37.5°	4326.3	3399.7	622.7	279.9	241.0	212.6	181.1	151.2	130.2	127.2	125.7
40°	4492.5	3333.8	438.6	263.5	220.1	185.6	148.2	116.8	101.8	97.3	97.3
42.5°	4708.0	3266.4	347.3	247.0	202.1	160.2	118.3	92.8	80.8	77.8	76.3
45°	4974.5	3187.1	302.4	232.0	184.1	133.2	94.3	77.8	68.9	65.9	65.9
47.5°	5263.4	3079.3	281.4	212.6	163.2	107.8	79.3	67.4	62.9	61.4	59.9
50°	5547.8	2934.1	263.5	194.6	139.2	88.3	68.9	61.4	58.4	56.9	56.9
52.5°	5796.3	2764.9	241.0	173.7	113.8	76.3	61.4	56.9	53.9	50.9	49.4
55°	6008.9	2580.8	212.6	149.7	92.8	67.4	56.9	52.4	49.4	46.4	44.9
57.5°	6282.8	2476.0	170.7	121.3	76.3	59.9	52.4	47.9	44.9	40.4	40.4
60°	6586.7	2399.7	127.2	95.8	65.9	55.4	47.9	43.4	40.4	35.9	35.9
62.5°	6830.7	2285.9	100.3	77.8	56.9	49.4	43.4	38.9	35.9	31.4	31.4
65°	6923.6	2050.9	82.3	61.4	46.4	43.4	38.9	35.9	31.4	26.9	26.9
67.5°	6504.4	1580.8	68.9	49.4	38.9	37.4	34.4	32.9	26.9	24.0	22.5
70°	5151.1	964.1	56.9	40.4	32.9	31.4	31.4	28.4	24.0	22.5	21.0
72.5°	3529.9	497.0	46.4	32.9	28.4	28.4	26.9	25.4	22.5	21.0	21.0
75°	1833.8	166.2	35.9	25.4	22.5	24.0	24.0	22.5	21.0	21.0	19.5
77.5°	525.4	74.8	26.9	19.5	18.0	18.0	19.5	19.5	19.5	18.0	18.0
80°	136.2	43.4	19.5	15.0	15.0	15.0	15.0	16.5	18.0	16.5	16.5
82.5°	55.4	24.0	13.5	12.0	12.0	12.0	12.0	13.5	15.0	15.0	15.0
85°	34.4	12.0	10.5	10.5	10.5	9.0	9.0	10.5	10.5	12.0	12.0
87.5°	21.0	9.0	9.0	9.0	9.0	7.5	7.5	7.5	7.5	7.5	7.5
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)