

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: P633409

Luminaire Tested: GWS-SA2E-760-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633409  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2E-760-U-SL2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

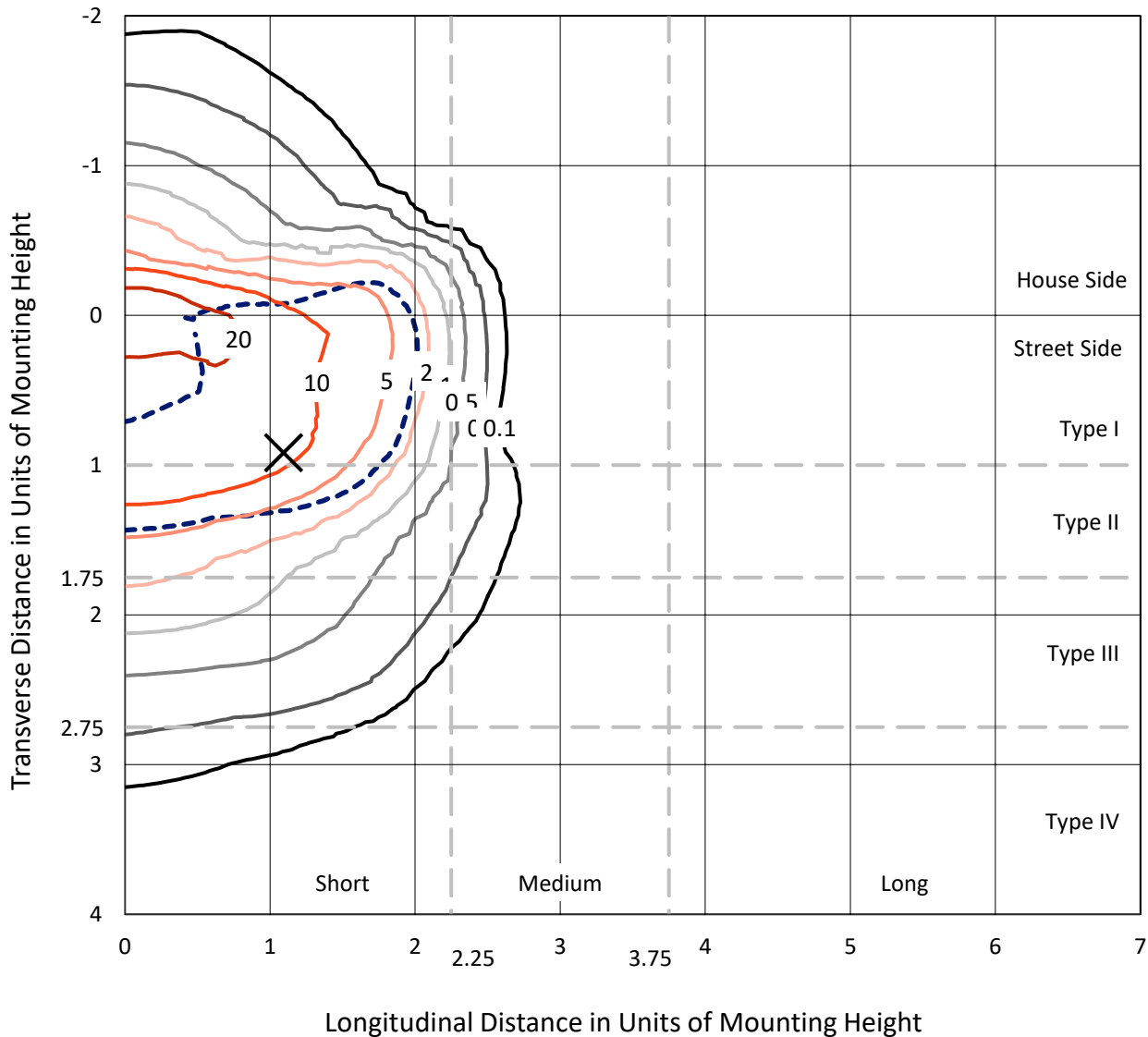
Lumens per Lamp: N/A  
Luminaire Lumens: 8643.9 lumens  
Efficiency: N/A  
Efficacy: 79.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

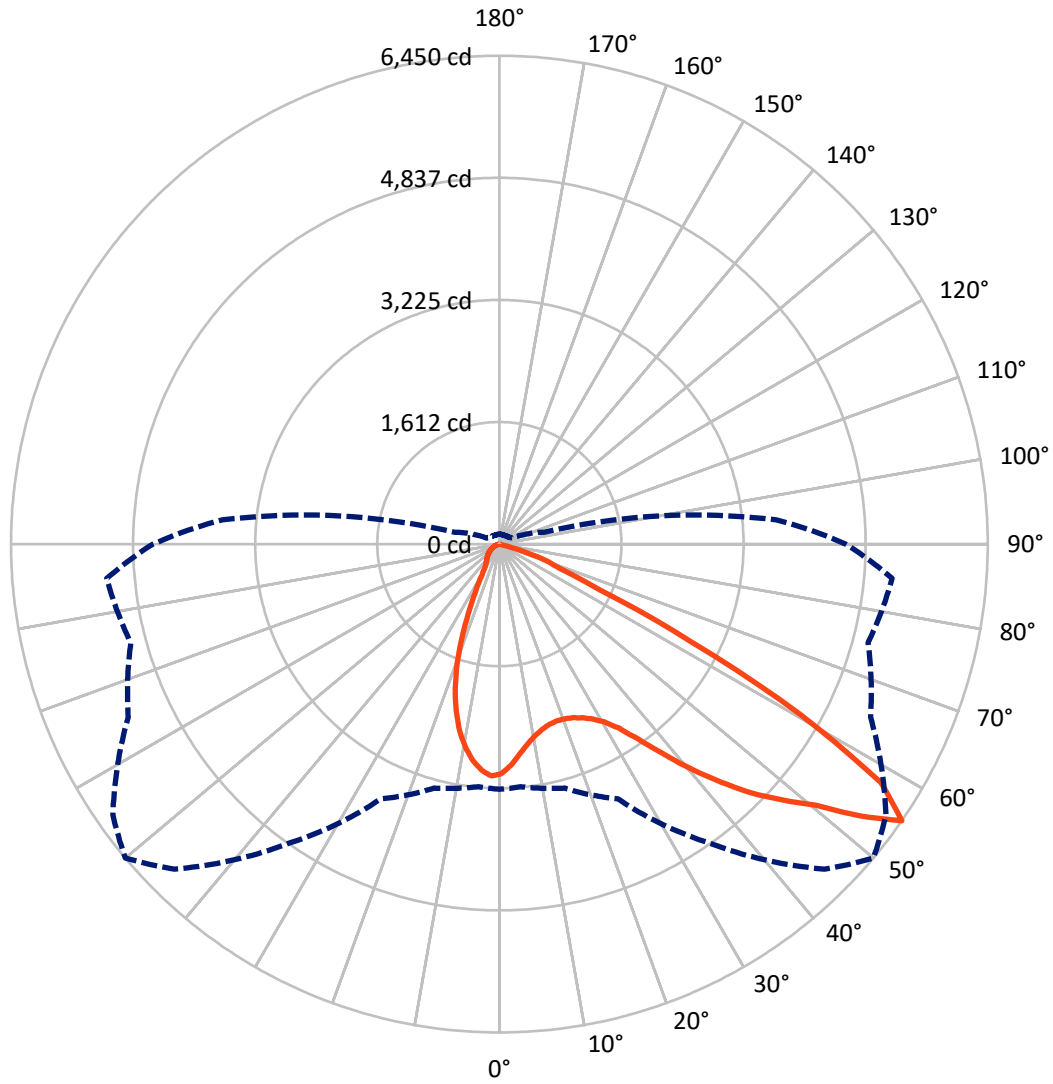
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 30.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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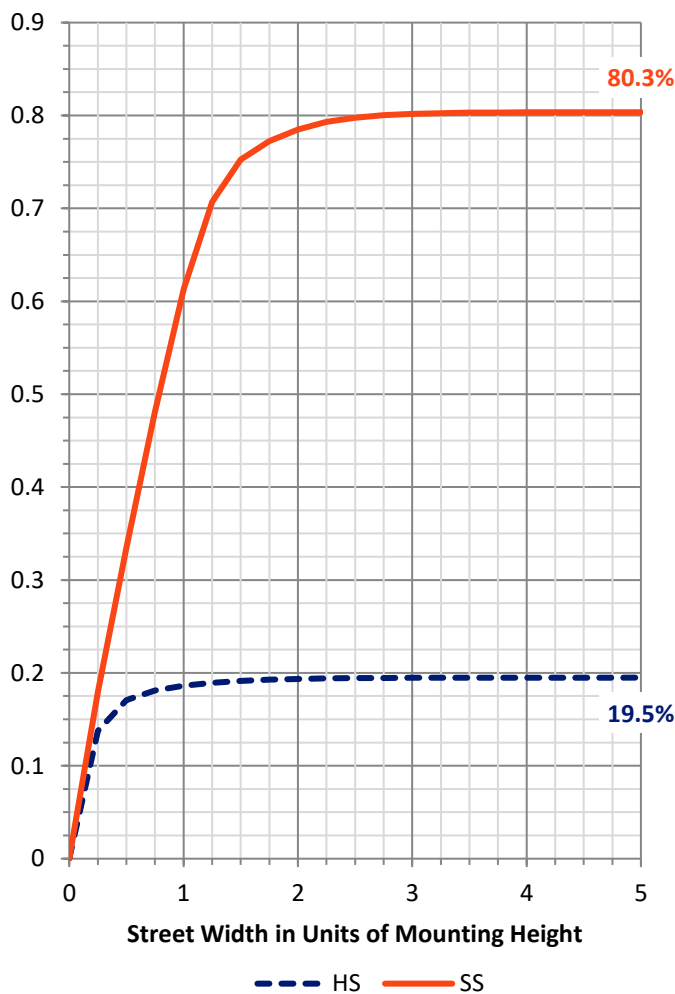
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1703.3	0.0	1703.3
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	6940.6	0.0	6940.6
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	8643.9	0.0	8643.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	266.3	3.1
10°-20°	655.4	7.6
20°-30°	924.5	10.7
30°-40°	1368.1	15.8
40°-50°	1973.7	22.8
50°-60°	2328.1	26.9
60°-70°	1038.5	12.0
70°-80°	89.3	1.0
80°-90°	0.0	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°	8643.9	100.0
0°-180°	8643.9	100.0

**Coefficient of Utilization**



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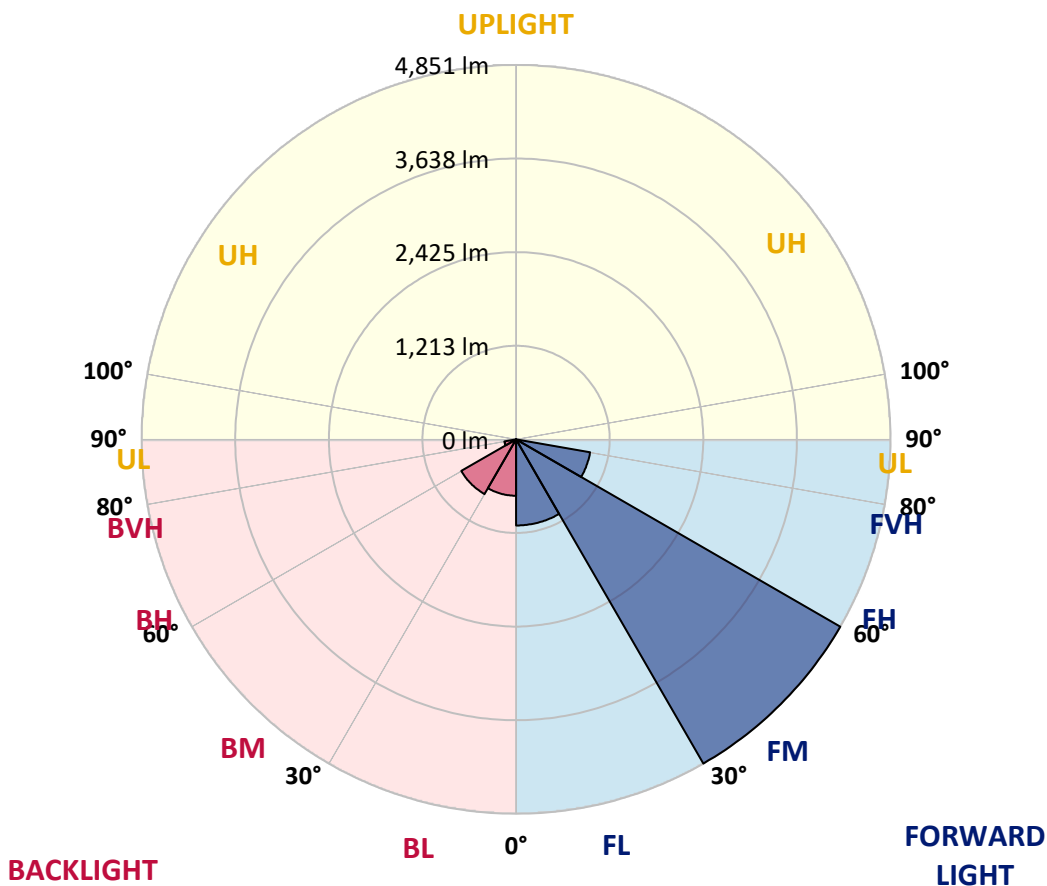
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1116.0	12.9			
FM (30°-60°)	4850.7	56.1			
FH (60°-80°)	974.0	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	730.3	8.4	B2/1000		
BM (30°-60°)	819.1	9.5	B1/1000		
BH (60°-80°)	153.8	1.8	B1/500		G1/500
BVH (80°-90°)	0.0	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°	45°	50°	55°	65°	75°	85°
0°	3032.8	3032.8	3032.8	3032.8	3032.8	3032.8	3032.8	3032.8	3032.8	3032.8	3032.8
2.5°	2817.5	2819.6	2820.7	2849.1	2859.7	2901.9	2924.1	2935.7	2966.3	3002.2	3031.7
5°	2628.6	2625.4	2630.7	2666.6	2689.8	2752.1	2785.8	2809.0	2876.6	2961.0	3031.7
7.5°	2464.0	2470.3	2476.6	2515.7	2550.5	2618.1	2666.6	2701.4	2795.3	2920.9	3040.1
10°	2347.9	2347.9	2357.4	2401.7	2442.9	2526.2	2574.8	2619.1	2731.0	2885.0	3049.6
12.5°	2262.4	2263.5	2275.1	2325.7	2373.2	2459.8	2510.4	2553.7	2677.1	2849.1	3051.8
15°	2222.3	2219.2	2228.7	2282.5	2335.2	2416.5	2469.3	2511.5	2639.2	2829.1	3062.3
17.5°	2211.8	2209.7	2217.1	2269.8	2323.6	2402.8	2454.5	2496.7	2633.9	2835.4	3094.0
20°	2242.4	2238.2	2235.0	2280.4	2331.0	2409.1	2462.9	2510.4	2659.2	2870.3	3142.5
22.5°	2315.2	2315.2	2307.8	2330.0	2363.7	2434.4	2490.4	2552.6	2725.7	2939.9	3214.3
25°	2449.2	2438.7	2424.9	2434.4	2430.2	2474.5	2541.0	2627.5	2851.3	3054.9	3301.8
27.5°	2602.2	2611.7	2588.5	2589.6	2552.6	2536.8	2613.8	2744.7	3038.0	3217.4	3431.6
30°	2810.1	2802.7	2803.8	2800.6	2715.1	2640.2	2723.6	2897.7	3273.4	3465.4	3600.5
32.5°	2972.6	2983.2	3018.0	3038.0	2926.2	2805.9	2894.5	3105.6	3541.4	3748.2	3807.3
35°	3144.6	3163.6	3234.3	3299.7	3205.8	3067.6	3162.6	3381.0	3793.6	4027.9	4044.7
37.5°	3326.1	3364.1	3448.5	3563.5	3548.8	3426.4	3512.9	3704.9	3992.0	4196.7	4241.0
40°	3534.0	3570.9	3709.2	3874.8	3909.7	3882.2	3910.7	4022.6	4122.8	4204.1	4325.4
42.5°	3761.9	3812.6	3987.8	4209.4	4340.2	4364.5	4298.0	4286.4	4179.8	4119.7	4307.5
45°	4031.0	4090.1	4288.5	4575.5	4783.4	4816.1	4701.1	4552.3	4215.7	4057.4	4253.7
47.5°	4332.8	4388.7	4586.1	4931.1	5240.3	5253.0	5052.5	4813.0	4322.3	4129.2	4294.8
50°	4434.1	4468.9	4639.9	5045.1	5614.9	5712.0	5421.8	5106.3	4536.5	4340.2	4495.3
52.5°	4085.9	4099.6	4248.4	4657.8	5539.0	6162.6	5961.1	5544.2	4917.4	4662.1	4804.5
55°	3237.5	3215.3	3335.6	3711.3	4814.0	6070.8	6449.6	6232.2	5408.1	5039.8	5206.6
57.5°	2264.5	2238.2	2210.7	2465.0	3592.0	5146.4	5943.1	6328.3	5875.6	5414.4	5640.3
60°	1861.4	1836.1	1703.2	1586.0	2171.7	3695.5	4565.0	5289.9	5837.6	5395.4	5626.5
62.5°	1608.2	1593.4	1539.6	1380.3	1277.9	2109.4	2858.6	3553.0	4479.5	4236.8	4249.5
65°	1263.1	1258.9	1295.8	1312.7	1130.2	1167.1	1458.3	1846.7	2421.8	2283.5	2165.4
67.5°	863.2	853.7	923.3	1135.4	1086.9	921.2	853.7	861.1	1047.9	640.5	508.6
70°	548.7	526.6	527.6	703.8	884.3	727.1	658.5	579.3	521.3	95.0	107.6
72.5°	351.4	337.7	290.2	317.6	409.4	354.6	357.7	308.1	205.8	50.7	59.1
75°	147.7	136.1	104.5	83.4	82.3	51.7	45.4	42.2	28.5	28.5	30.6
77.5°	1.1	0.0	0.0	1.1	2.1	1.1	1.1	2.1	4.2	6.3	7.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3032.8	3032.8	3032.8	3032.8	3032.8	3032.8	3032.8	3032.8	3032.8	3032.8	3032.8
2.5°	3049.6	3024.3	3052.8	3063.4	3062.3	3063.4	3032.8	3011.7	3010.6	2984.2	2971.6
5°	3061.3	3041.2	3062.3	3048.6	3015.9	2974.7	2919.9	2872.4	2851.3	2820.7	2805.9
7.5°	3083.4	3062.3	3059.1	3004.3	2923.0	2836.5	2739.4	2652.9	2606.4	2550.5	2553.7
10°	3099.2	3075.0	3033.8	2922.0	2786.9	2648.7	2504.1	2375.3	2294.1	2219.2	2206.5
12.5°	3105.6	3069.7	2973.7	2804.8	2614.9	2434.4	2222.3	2038.7	1912.1	1814.0	1800.2
15°	3117.2	3059.1	2896.6	2663.4	2402.8	2147.4	1877.3	1626.1	1458.3	1345.4	1354.9
17.5°	3135.1	3047.5	2810.1	2505.1	2174.9	1814.0	1448.8	1160.8	1006.7	941.3	942.3
20°	3160.4	3033.8	2715.1	2331.0	1901.5	1437.2	1013.0	795.7	752.4	750.3	747.1
22.5°	3194.2	3020.1	2613.8	2140.0	1577.6	1006.7	674.3	606.8	624.7	659.5	665.9
25°	3234.3	3003.2	2500.9	1924.8	1224.1	660.6	505.5	494.9	538.2	584.6	595.2
27.5°	3296.6	2994.8	2372.2	1679.9	859.0	473.8	413.7	420.0	459.0	498.1	507.6
30°	3402.1	3010.6	2231.8	1405.6	551.9	377.8	358.8	368.3	389.4	409.4	417.9
32.5°	3545.6	3057.0	2095.7	1105.9	393.6	328.2	324.0	329.2	337.7	349.3	352.5
35°	3713.4	3137.2	1955.4	791.4	325.0	299.7	295.5	295.5	299.7	301.8	302.9
37.5°	3851.6	3221.6	1823.5	526.6	291.2	277.5	271.2	268.0	267.0	269.1	270.1
40°	3911.8	3256.5	1679.9	383.1	267.0	257.5	248.0	238.5	238.5	245.9	246.9
42.5°	3869.6	3217.4	1514.3	316.6	250.1	236.4	221.6	213.2	217.4	224.8	226.9
45°	3779.9	3121.4	1331.7	279.6	233.2	215.3	198.4	193.1	197.3	206.8	208.9
47.5°	3765.1	3058.1	1113.3	255.4	215.3	197.3	179.4	174.1	179.4	186.8	188.9
50°	3911.8	3113.0	870.6	234.3	198.4	178.3	163.6	158.3	161.5	165.7	167.8
52.5°	4179.8	3316.6	702.8	214.2	178.3	159.3	149.8	143.5	143.5	147.7	148.8
55°	4575.5	3672.2	606.8	191.0	155.1	144.6	136.1	129.8	129.8	131.9	133.0
57.5°	5031.4	4102.8	628.9	160.4	136.1	130.8	123.5	118.2	120.3	120.3	120.3
60°	4968.1	4071.1	673.2	135.1	120.3	118.2	111.9	109.7	115.0	110.8	108.7
62.5°	3659.6	2812.2	352.5	110.8	103.4	101.3	97.1	101.3	108.7	97.1	92.9
65°	1777.0	1361.3	141.4	90.8	87.6	85.5	83.4	89.7	93.9	76.0	71.8
67.5°	417.9	339.8	91.8	77.0	72.8	68.6	70.7	71.8	68.6	51.7	49.6
70°	108.7	106.6	71.8	64.4	58.0	53.8	53.8	52.8	45.4	32.7	30.6
72.5°	59.1	58.0	51.7	48.5	40.1	35.9	36.9	32.7	25.3	19.0	17.9
75°	29.5	31.7	29.5	27.4	22.2	20.0	20.0	17.9	12.7	7.4	7.4
77.5°	6.3	7.4	7.4	6.3	5.3	4.2	4.2	5.3	2.1	0.0	0.0
80°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)