

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: P634839

Luminaire Tested: GWS-SA3C-750-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634839  
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-SA3C-750-U-SL2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

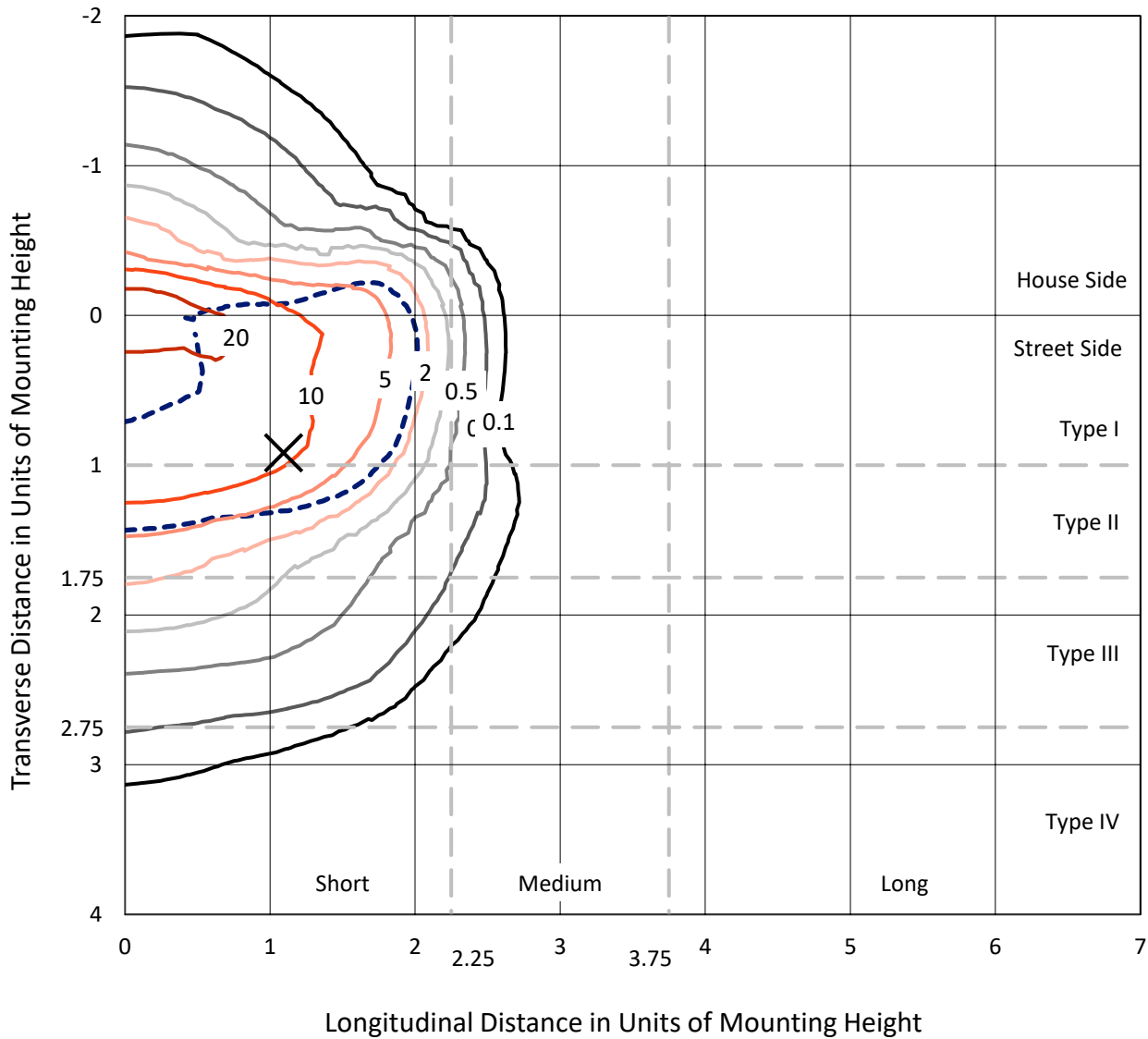
Lumens per Lamp: N/A  
Luminaire Lumens: 8378.7 lumens  
Efficiency: N/A  
Efficacy: 90.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

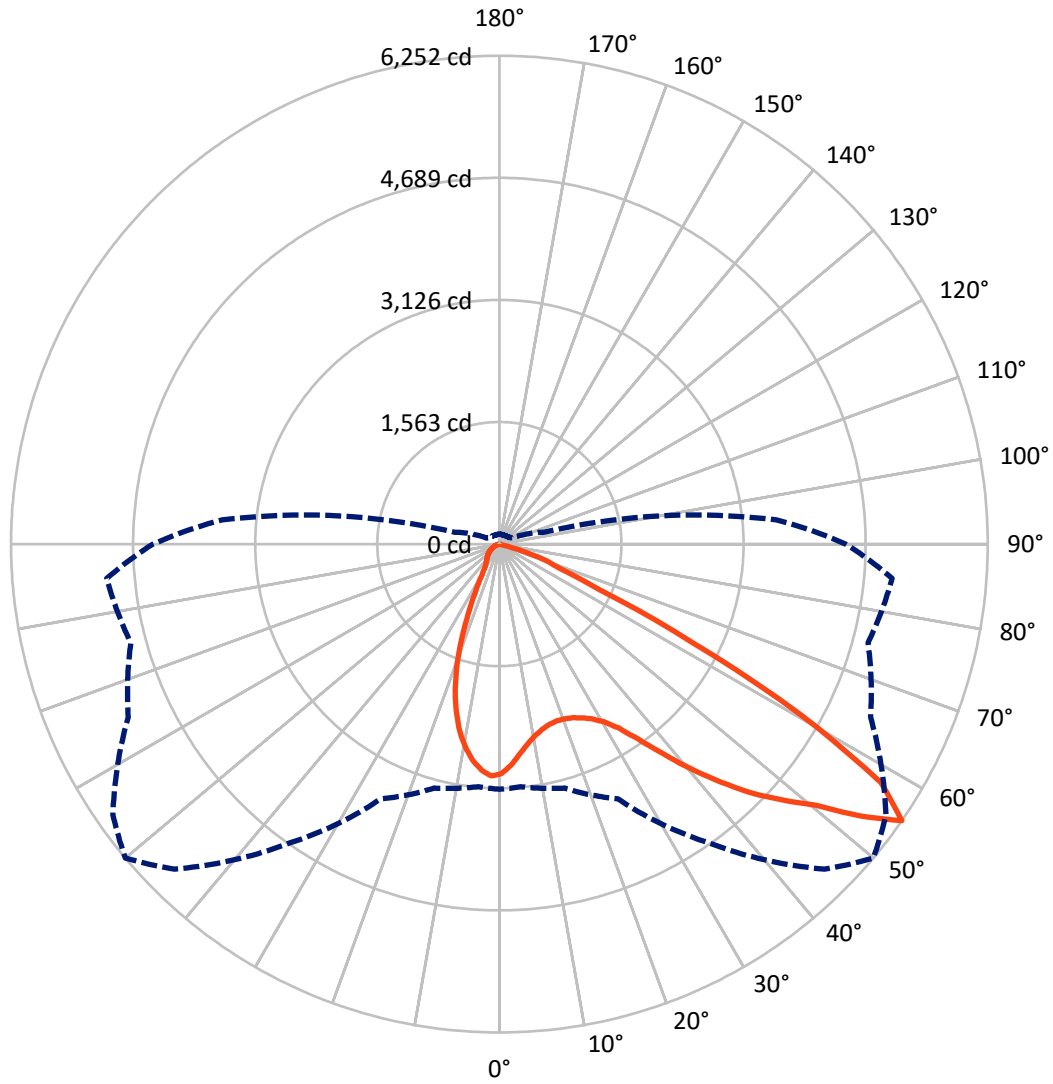
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 29.4 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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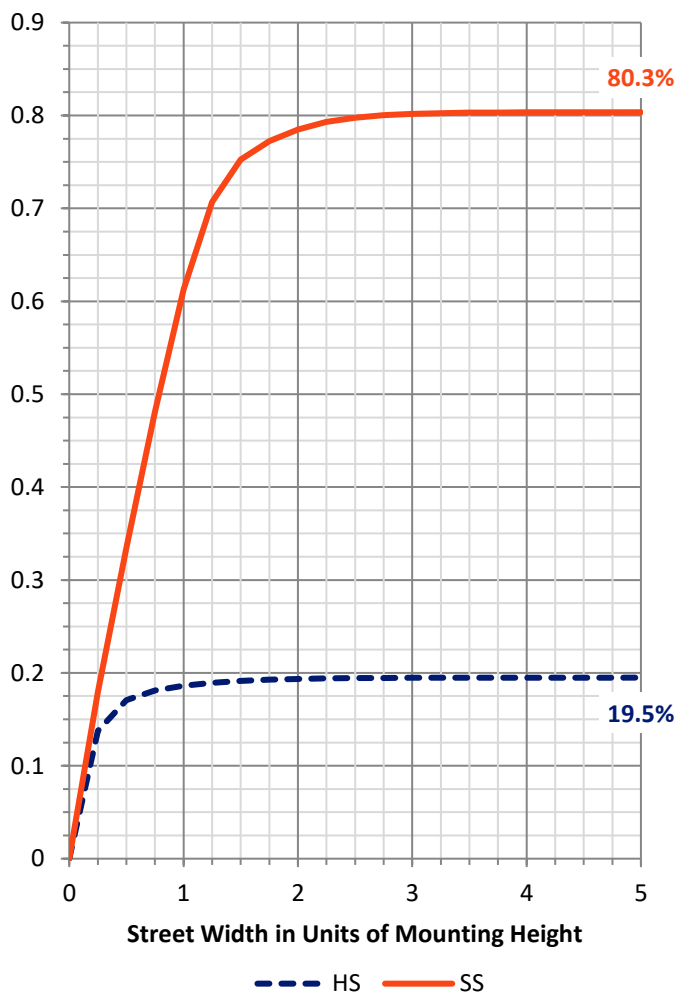
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1651.0	0.0	1651.0
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	6727.7	0.0	6727.7
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	8378.7	0.0	8378.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.2	3.1
10°-20°	635.3	7.6
20°-30°	896.1	10.7
30°-40°	1326.1	15.8
40°-50°	1913.1	22.8
50°-60°	2256.7	26.9
60°-70°	1006.7	12.0
70°-80°	86.5	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°	8378.7	100.0
0°-180°	8378.7	100.0

**Coefficient of Utilization**



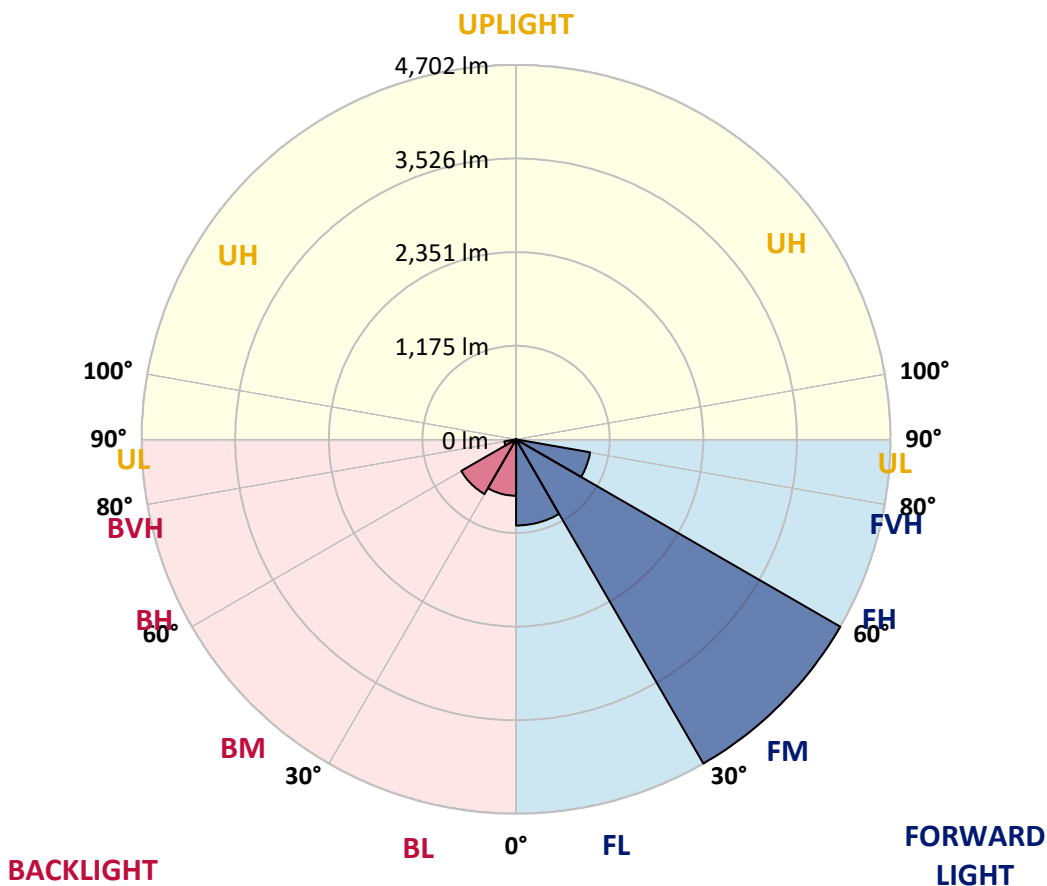
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1081.7	12.9			
FM (30°-60°)	4701.8	56.1			
FH (60°-80°)	944.1	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	707.9	8.4	B2/1000		
BM (30°-60°)	794.0	9.5	B1/1000		
BH (60°-80°)	149.1	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°	2939.7	2939.7	2939.7	2939.7	2939.7	2939.7	2939.7	2939.7	2939.7	2939.7	2939.7
2.5°	2731.0	2733.1	2734.1	2761.7	2772.0	2812.9	2834.4	2845.6	2875.3	2910.1	2938.7
5°	2548.0	2544.9	2550.0	2584.8	2607.3	2667.6	2700.4	2722.9	2788.3	2870.2	2938.7
7.5°	2388.4	2394.5	2400.7	2438.5	2472.3	2537.7	2584.8	2618.5	2709.6	2831.3	2946.9
10°	2275.9	2275.9	2285.1	2328.0	2367.9	2448.7	2495.8	2538.8	2647.2	2796.5	2956.1
12.5°	2193.0	2194.0	2205.3	2254.4	2300.4	2384.3	2433.4	2475.3	2595.0	2761.7	2958.1
15°	2154.2	2151.1	2160.3	2212.5	2263.6	2342.4	2393.5	2434.4	2558.2	2742.3	2968.4
17.5°	2143.9	2141.9	2149.0	2200.2	2252.3	2329.1	2379.2	2420.1	2553.1	2748.4	2999.0
20°	2173.6	2169.5	2166.4	2210.4	2259.5	2335.2	2387.4	2433.4	2577.6	2782.2	3046.1
22.5°	2244.2	2244.2	2237.0	2258.5	2291.2	2359.7	2414.0	2474.3	2642.1	2849.7	3115.6
25°	2374.1	2363.8	2350.5	2359.7	2355.7	2398.6	2463.1	2546.9	2763.8	2961.2	3200.5
27.5°	2522.4	2531.6	2509.1	2510.1	2474.3	2459.0	2533.6	2660.5	2944.8	3118.7	3326.4
30°	2723.9	2716.7	2717.8	2714.7	2631.8	2559.2	2640.0	2808.8	3172.9	3359.1	3490.0
32.5°	2881.4	2891.6	2925.4	2944.8	2836.4	2719.8	2805.7	3010.3	3432.7	3633.2	3690.5
35°	3048.1	3066.5	3135.1	3198.5	3107.5	2973.5	3065.5	3277.3	3677.2	3904.3	3920.6
37.5°	3224.1	3260.9	3342.7	3454.2	3439.9	3321.2	3405.1	3591.3	3869.5	4067.9	4110.9
40°	3425.6	3461.4	3595.4	3756.0	3789.7	3763.1	3790.7	3899.2	3996.3	4075.1	4192.7
42.5°	3646.5	3695.6	3865.4	4080.2	4207.0	4230.6	4166.1	4154.9	4051.6	3993.3	4175.3
45°	3907.3	3964.6	4156.9	4435.1	4636.6	4668.4	4556.9	4412.6	4086.3	3932.9	4123.2
47.5°	4199.9	4254.1	4445.4	4779.8	5079.5	5091.8	4897.5	4665.3	4189.7	4002.5	4163.1
50°	4298.1	4331.8	4497.5	4890.3	5442.7	5536.8	5255.5	4949.6	4397.3	4207.0	4357.4
52.5°	3960.5	3973.8	4118.1	4514.9	5369.0	5973.5	5778.2	5374.1	4766.6	4519.0	4657.1
55°	3138.1	3116.7	3233.3	3597.4	4666.3	5884.5	6251.8	6041.0	5242.2	4885.2	5046.8
57.5°	2195.1	2169.5	2142.9	2389.4	3481.8	4988.5	5760.8	6134.1	5695.3	5248.3	5467.2
60°	1804.3	1779.8	1650.9	1537.4	2105.1	3582.1	4424.9	5127.6	5658.5	5229.9	5453.9
62.5°	1558.8	1544.5	1492.4	1337.9	1238.7	2044.7	2770.9	3444.0	4342.1	4106.8	4119.1
65°	1224.4	1220.3	1256.1	1272.4	1095.5	1131.3	1413.6	1790.0	2347.5	2213.5	2098.9
67.5°	836.7	827.5	895.0	1100.6	1053.6	893.0	827.5	834.7	1015.7	620.9	493.0
70°	531.9	510.4	511.4	682.3	857.2	704.8	638.3	561.6	505.3	92.1	104.3
72.5°	340.6	327.3	281.3	307.9	396.9	343.7	346.8	298.7	199.5	49.1	57.3
75°	143.2	131.9	101.3	80.8	79.8	50.1	44.0	40.9	27.6	27.6	29.7
77.5°	1.0	0.0	0.0	1.0	2.0	1.0	1.0	2.0	4.1	6.1	7.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2939.7	2939.7	2939.7	2939.7	2939.7	2939.7	2939.7	2939.7	2939.7	2939.7	2939.7
2.5°	2956.1	2931.5	2959.1	2969.4	2968.4	2969.4	2939.7	2919.3	2918.2	2892.7	2880.4
5°	2967.3	2947.9	2968.4	2955.1	2923.3	2883.5	2830.3	2784.2	2763.8	2734.1	2719.8
7.5°	2988.8	2968.4	2965.3	2912.1	2833.3	2749.5	2655.4	2571.5	2526.5	2472.3	2475.3
10°	3004.2	2980.6	2940.7	2832.3	2701.4	2567.4	2427.3	2302.5	2223.7	2151.1	2138.8
12.5°	3010.3	2975.5	2882.4	2718.8	2534.7	2359.7	2154.2	1976.2	1853.4	1758.3	1745.0
15°	3021.5	2965.3	2807.8	2581.7	2329.1	2081.5	1819.7	1576.2	1413.6	1304.2	1313.4
17.5°	3038.9	2954.0	2723.9	2428.3	2108.1	1758.3	1404.4	1125.2	975.8	912.4	913.4
20°	3063.5	2940.7	2631.8	2259.5	1843.2	1393.1	982.0	771.2	729.3	727.3	724.2
22.5°	3096.2	2927.4	2533.6	2074.4	1529.2	975.8	653.6	588.1	605.5	639.3	645.4
25°	3135.1	2911.1	2424.2	1865.7	1186.5	640.3	490.0	479.7	521.7	566.7	576.9
27.5°	3195.4	2902.9	2299.4	1628.4	832.6	459.3	401.0	407.1	444.9	482.8	492.0
30°	3297.7	2918.2	2163.4	1362.5	535.0	366.2	347.8	357.0	377.4	396.9	405.1
32.5°	3436.8	2963.2	2031.4	1072.0	381.5	318.1	314.0	319.1	327.3	338.6	341.6
35°	3599.5	3041.0	1895.4	767.1	315.0	290.5	286.4	286.4	290.5	292.5	293.6
37.5°	3733.5	3122.8	1767.5	510.4	282.3	269.0	262.9	259.8	258.8	260.8	261.9
40°	3791.8	3156.6	1628.4	371.3	258.8	249.6	240.4	231.2	231.2	238.3	239.4
42.5°	3750.8	3118.7	1467.8	306.9	242.4	229.1	214.8	206.6	210.7	217.9	219.9
45°	3663.9	3025.6	1290.9	271.1	226.1	208.7	192.3	187.2	191.3	200.5	202.5
47.5°	3649.6	2964.3	1079.1	247.5	208.7	191.3	173.9	168.8	173.9	181.0	183.1
50°	3791.8	3017.5	843.9	227.1	192.3	172.9	158.5	153.4	156.5	160.6	162.6
52.5°	4051.6	3214.9	681.2	207.6	172.9	154.5	145.2	139.1	139.1	143.2	144.2
55°	4435.1	3559.6	588.1	185.1	150.4	140.1	131.9	125.8	125.8	127.9	128.9
57.5°	4877.0	3976.9	609.6	155.5	131.9	126.8	119.7	114.6	116.6	116.6	116.6
60°	4815.6	3946.2	652.6	130.9	116.6	114.6	108.4	106.4	111.5	107.4	105.4
62.5°	3547.3	2725.9	341.6	107.4	100.2	98.2	94.1	98.2	105.4	94.1	90.0
65°	1722.5	1319.5	137.1	88.0	84.9	82.9	80.8	86.9	91.0	73.6	69.6
67.5°	405.1	329.4	89.0	74.7	70.6	66.5	68.5	69.6	66.5	50.1	48.1
70°	105.4	103.3	69.6	62.4	56.3	52.2	52.2	51.1	44.0	31.7	29.7
72.5°	57.3	56.3	50.1	47.1	38.9	34.8	35.8	31.7	24.5	18.4	17.4
75°	28.6	30.7	28.6	26.6	21.5	19.4	19.4	17.4	12.3	7.2	7.2
77.5°	6.1	7.2	7.2	6.1	5.1	4.1	4.1	5.1	2.0	0.0	0.0
80°	1.0	1.0	1.0	1.0	1.0	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)