

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: P634282

Luminaire Tested: GWS-SA3B-740-U-AFL-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634282  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-740-U-AFL-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

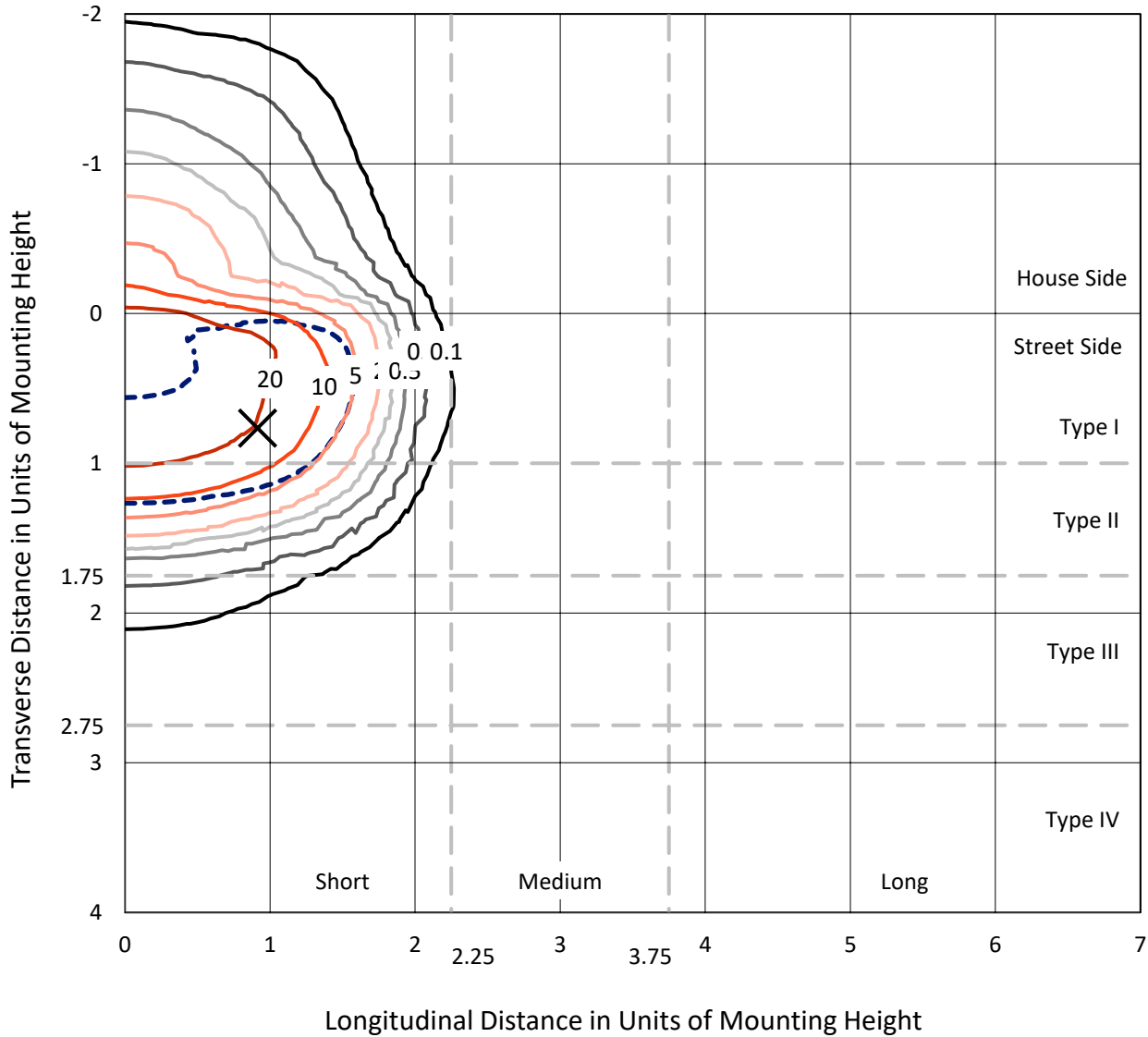
Lumens per Lamp: N/A  
Luminaire Lumens: 7833.8 lumens  
Efficiency: N/A  
Efficacy: 114.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

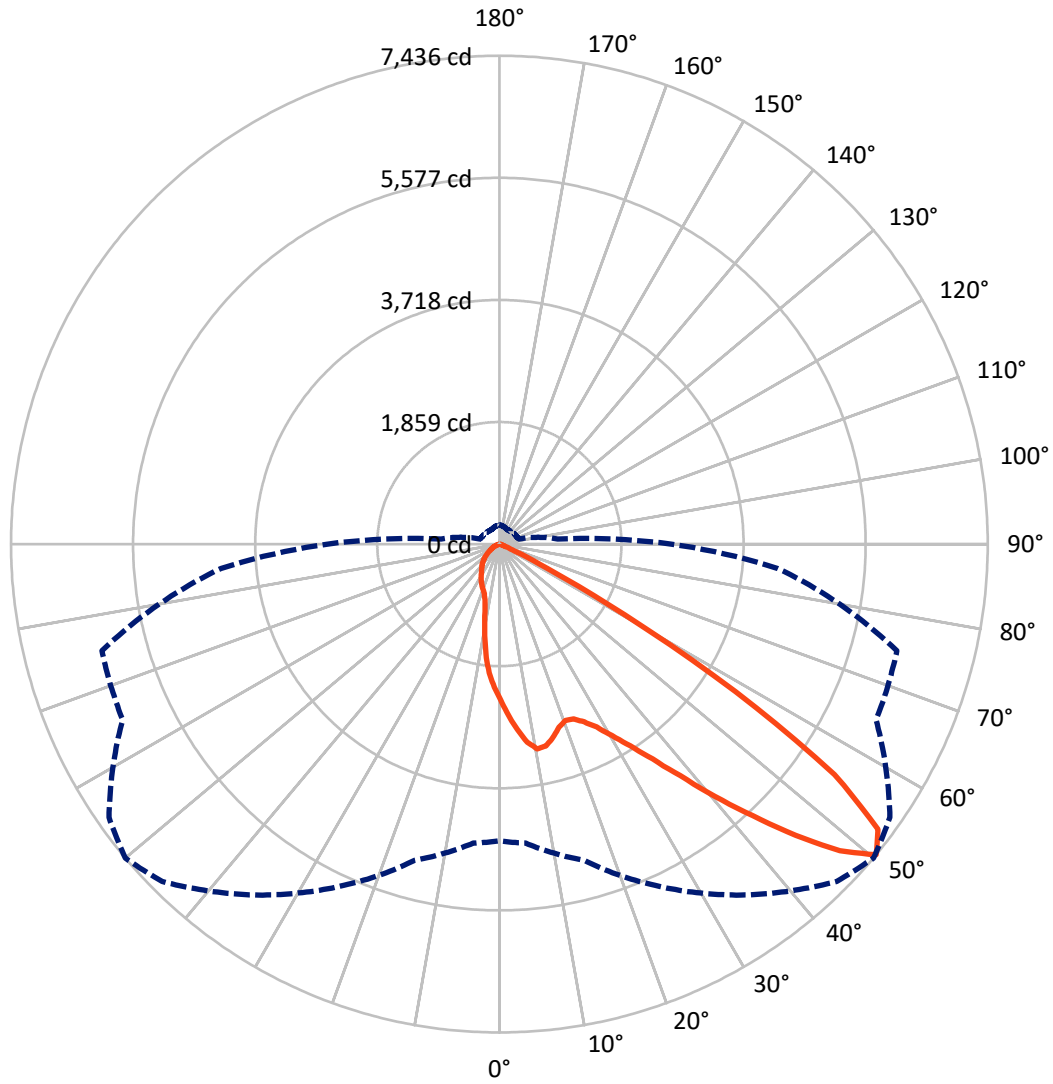
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 30.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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

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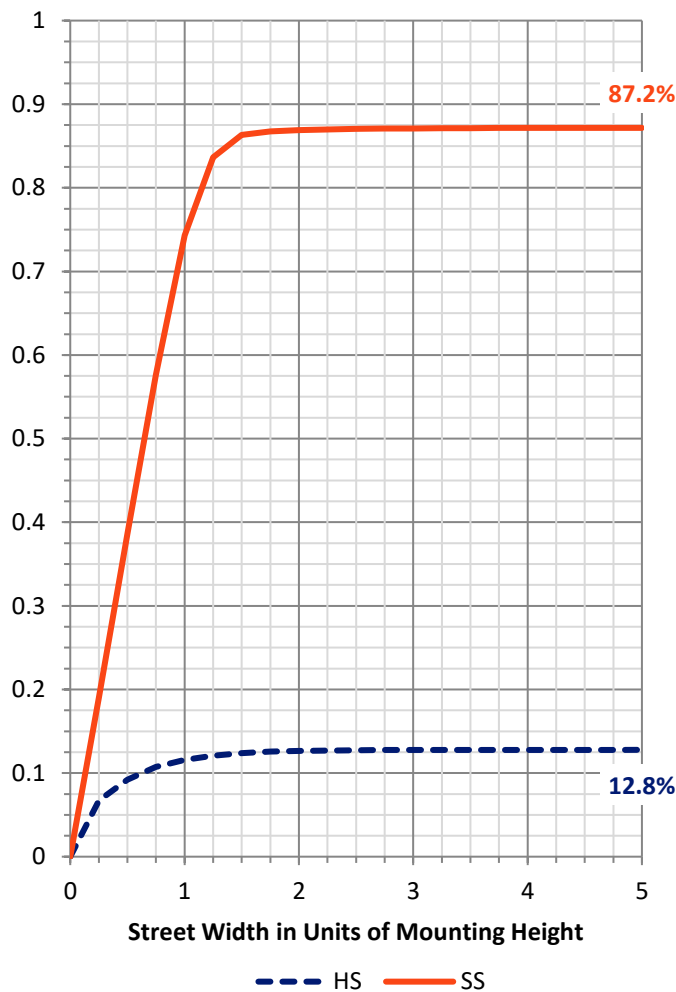
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1006.5	0.0	1006.5
	% Fixture	12.8	0.0	12.8
<b>Street Side</b>	Lumens	6827.3	0.0	6827.3
	% Fixture	87.2	0.0	87.2
<b>Total</b>	Lumens	7833.8	0.0	7833.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	220.2	2.8
10°-20°	568.0	7.3
20°-30°	937.5	12.0
30°-40°	1547.0	19.7
40°-50°	2447.7	31.2
50°-60°	1853.2	23.7
60°-70°	231.9	3.0
70°-80°	26.2	0.3
80°-90°	2.0	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°	7833.8	100.0
0°-180°	7833.8	100.0

**Coefficient of Utilization**



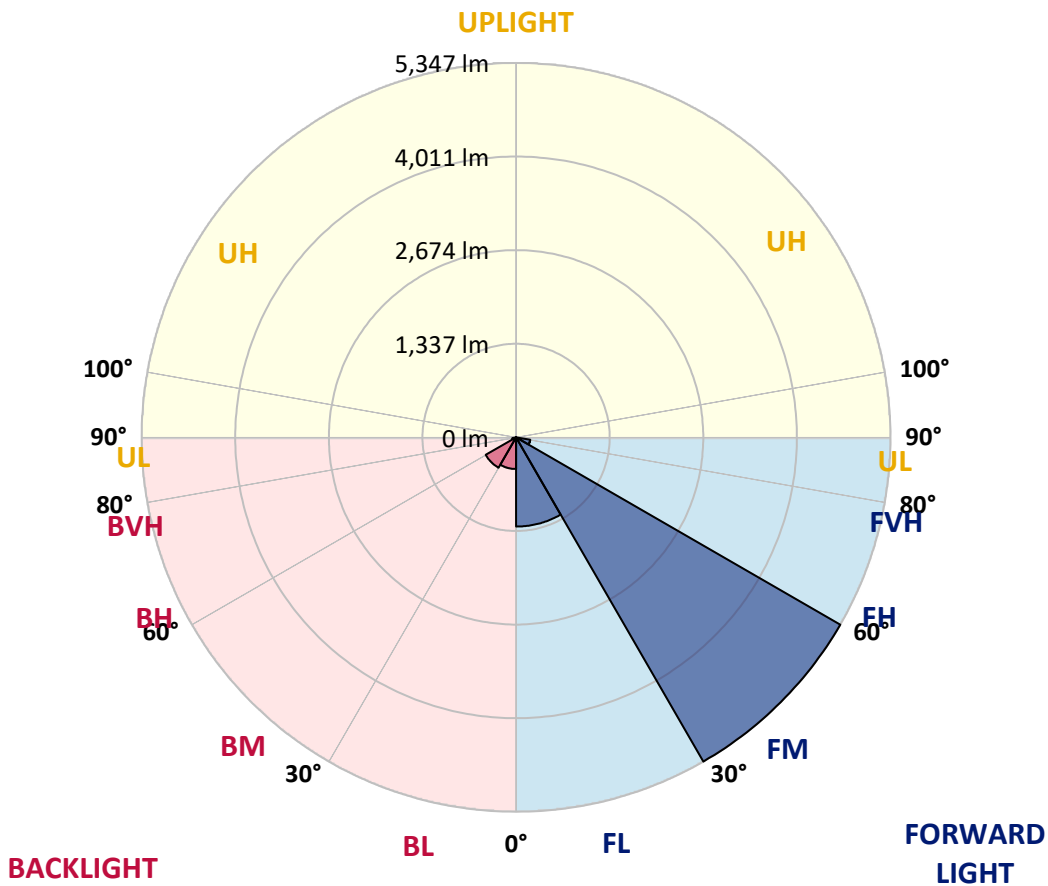
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1273.9	16.3			
FM (30°-60°)	5347.4	68.3			
FH (60°-80°)	205.1	2.6			G0/660
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	451.8	5.8	B1/500		
BM (30°-60°)	500.6	6.4	B1/1000		
BH (60°-80°)	53.1	0.7	B0/110		G0/110
BVH (80°-90°)	1.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3
2.5°	2704.4	2726.0	2720.0	2691.7	2661.1	2639.5	2606.0	2595.5	2519.5	2466.5	2410.6
5°	3031.0	3037.7	3030.2	2995.9	2942.2	2890.8	2835.6	2803.6	2676.1	2561.2	2444.2
7.5°	3109.3	3101.1	3115.2	3132.4	3124.9	3102.6	3044.4	3009.3	2857.2	2670.1	2492.6
10°	2864.7	2846.1	2899.0	2987.7	3080.9	3186.1	3171.2	3174.1	3034.0	2807.3	2556.0
12.5°	2540.4	2532.9	2572.4	2675.3	2858.0	3096.6	3154.0	3250.2	3195.8	2955.7	2628.3
15°	2397.9	2401.7	2425.5	2490.4	2621.6	2918.4	3056.3	3230.1	3340.4	3099.6	2708.1
17.5°	2419.6	2433.0	2432.2	2453.9	2533.6	2771.5	2932.6	3166.7	3452.3	3265.1	2799.8
20°	2566.4	2579.9	2559.7	2543.3	2570.2	2734.2	2867.7	3102.6	3527.6	3432.1	2896.8
22.5°	2786.4	2802.1	2754.3	2707.4	2690.2	2795.4	2892.3	3076.5	3585.0	3585.0	2983.3
25°	3052.6	3074.2	3000.4	2916.9	2869.2	2924.3	2997.4	3135.4	3643.9	3722.2	3042.2
27.5°	3350.1	3350.8	3287.5	3193.5	3104.0	3110.8	3154.7	3268.1	3708.7	3869.8	3088.4
30°	3684.9	3687.1	3602.9	3490.3	3377.7	3347.1	3384.4	3470.1	3843.7	4055.5	3152.5
32.5°	4117.4	4127.8	4007.0	3841.5	3695.3	3637.9	3659.5	3749.8	4058.4	4288.1	3248.7
35°	4701.9	4713.1	4534.9	4316.4	4083.8	3997.3	4018.9	4109.9	4369.4	4618.4	3402.3
37.5°	5279.0	5293.9	5113.5	4910.0	4590.8	4447.7	4470.0	4556.5	4836.1	5074.7	3648.4
40°	5677.9	5698.1	5642.2	5505.0	5208.9	5021.1	5047.9	5079.2	5349.9	5620.5	3967.5
42.5°	5888.2	5916.5	5940.4	6010.5	5854.7	5697.3	5651.9	5654.1	5872.6	6176.8	4299.3
45°	5900.9	5928.5	6050.8	6321.4	6440.0	6407.2	6324.4	6268.5	6271.5	6547.3	4506.6
47.5°	5490.8	5542.2	5771.2	6301.3	6747.2	7019.3	6977.6	6844.9	6439.2	6572.0	4484.2
50°	4519.2	4569.9	4986.0	5748.8	6523.5	7263.9	7436.1	7257.9	6329.6	6265.5	4253.8
52.5°	3282.2	3287.5	3557.4	4448.4	5616.8	6812.8	7218.4	7201.3	6162.6	5894.2	3939.1
55°	1559.1	1540.5	1843.9	2510.5	3884.7	5510.2	6193.9	6387.8	5925.5	5625.8	3695.3
57.5°	454.1	463.0	598.0	979.8	1943.1	3521.6	4241.9	4602.8	4863.7	4625.1	2866.2
60°	203.6	204.3	227.4	298.3	647.2	1638.1	2192.9	2639.5	2907.9	2694.7	1421.9
62.5°	147.6	148.4	157.3	168.5	220.0	554.7	822.4	1096.1	1116.2	730.7	360.1
65°	123.0	123.0	124.5	124.5	132.0	198.3	249.8	322.1	271.4	201.3	140.9
67.5°	99.2	99.9	101.4	101.4	99.2	99.2	107.4	117.8	126.0	155.8	129.7
70°	77.5	76.8	76.8	77.5	75.3	64.1	69.3	79.0	86.5	121.5	112.6
72.5°	60.4	61.1	60.4	57.4	52.2	38.0	41.0	51.4	55.2	76.1	76.1
75°	45.5	46.2	43.2	32.8	21.6	11.9	15.7	25.4	32.1	37.3	27.6
77.5°	6.0	6.0	4.5	4.5	3.7	4.5	4.5	6.0	8.9	8.9	6.7
80°	0.7	0.7	0.7	1.5	2.2	3.0	3.0	3.0	3.0	3.7	3.7
82.5°	0.7	0.7	0.7	0.7	2.2	2.2	3.0	3.0	3.0	3.0	3.0
85°	0.0	0.0	0.0	0.7	1.5	2.2	2.2	3.0	3.0	3.0	3.0
87.5°	0.0	0.0	0.0	0.7	1.5	2.2	2.2	2.2	3.0	3.0	3.0
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°	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3
2.5°	2377.1	2333.8	2281.6	2245.8	2195.1	2161.6	2113.9	2081.8	2054.2	2032.6	2044.5
5°	2377.8	2309.2	2202.6	2111.6	2012.4	1921.5	1823.8	1747.0	1677.7	1646.3	1663.5
7.5°	2392.7	2294.3	2131.0	1969.2	1779.1	1591.2	1415.2	1272.0	1201.2	1167.7	1178.1
10°	2421.8	2287.6	2051.2	1782.8	1474.1	1217.6	1046.9	949.9	910.4	889.5	893.3
12.5°	2448.6	2283.1	1947.6	1537.5	1163.2	944.7	856.0	842.6	850.8	851.5	850.8
15°	2485.2	2274.9	1819.3	1285.5	930.5	816.5	818.7	838.1	857.5	863.4	861.9
17.5°	2523.9	2262.2	1653.8	1043.9	789.6	779.2	805.3	831.4	850.8	853.7	854.5
20°	2564.2	2236.1	1465.2	852.3	724.0	750.8	779.9	799.3	813.5	818.0	819.4
22.5°	2582.9	2181.0	1247.4	715.1	680.0	715.8	737.4	762.8	767.2	750.8	753.8
25°	2573.2	2087.8	1034.9	622.6	636.0	671.8	703.9	691.2	672.6	660.6	664.4
27.5°	2542.6	1964.0	826.9	554.7	589.0	634.5	638.3	624.1	621.1	611.4	614.4
30°	2509.8	1821.6	665.1	500.3	541.3	589.0	577.9	583.1	583.8	572.6	576.4
32.5°	2489.6	1672.4	529.4	463.8	510.8	519.7	542.1	552.5	553.3	527.2	531.6
35°	2496.4	1525.6	448.1	434.0	482.4	480.2	511.5	517.5	474.2	438.4	442.2
37.5°	2550.8	1389.8	401.9	410.8	433.2	450.4	474.2	434.7	425.0	408.6	410.8
40°	2652.2	1274.3	374.3	396.7	399.7	427.2	390.7	395.9	396.7	386.2	388.5
42.5°	2770.7	1178.1	357.9	388.5	381.0	385.5	349.0	359.4	370.6	366.1	366.8
45°	2830.4	1084.1	343.7	360.1	362.4	319.9	311.7	322.9	337.0	339.3	340.0
47.5°	2777.5	994.7	328.8	319.1	334.0	291.5	281.8	285.6	302.0	310.9	312.4
50°	2615.7	891.8	306.5	282.6	274.4	261.7	252.8	253.5	272.2	287.8	290.8
52.5°	2388.2	784.4	269.9	239.3	220.7	230.4	232.6	228.2	245.3	261.0	264.0
55°	2167.5	650.2	214.0	194.6	177.5	198.3	204.3	198.3	203.6	214.0	214.7
57.5°	1526.3	367.6	164.0	161.1	146.9	170.0	179.7	170.7	161.8	168.5	170.0
60°	707.6	192.4	126.0	126.0	122.3	146.1	162.5	149.9	132.7	135.7	137.9
62.5°	221.5	121.5	92.5	87.2	99.9	124.5	137.9	125.3	105.1	105.1	108.1
65°	125.3	104.4	73.1	67.1	81.3	99.9	108.1	94.7	76.8	75.3	75.3
67.5°	116.3	99.2	64.9	54.4	57.4	64.1	67.1	58.2	52.9	52.2	52.9
70°	96.2	82.8	52.2	37.3	35.0	34.3	35.8	33.6	32.1	32.8	35.0
72.5°	59.7	50.0	32.8	22.4	19.4	18.6	18.6	18.6	17.9	17.9	17.9
75°	21.6	18.6	14.9	11.2	9.7	8.9	8.9	9.7	8.9	8.2	7.5
77.5°	6.7	6.0	6.0	6.0	5.2	4.5	3.7	3.7	3.0	2.2	2.2
80°	3.7	3.7	3.7	3.7	3.0	3.0	2.2	1.5	0.7	0.7	0.0
82.5°	3.7	3.7	3.7	3.0	3.0	3.0	2.2	1.5	0.7	0.0	0.0
85°	3.0	3.0	3.0	3.0	3.0	3.0	2.2	1.5	0.7	0.0	0.0
87.5°	3.0	3.0	3.0	3.0	3.0	3.0	2.2	1.5	0.7	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)