

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: INVUE

Report Number: P677025

Luminaire Tested: **CCW-SA-2D-760-U-SL3-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P677025  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2D-760-U-SL3-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @800mA w/  
SL3 distribution lens and House Side Shield  
Light Source: (32) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

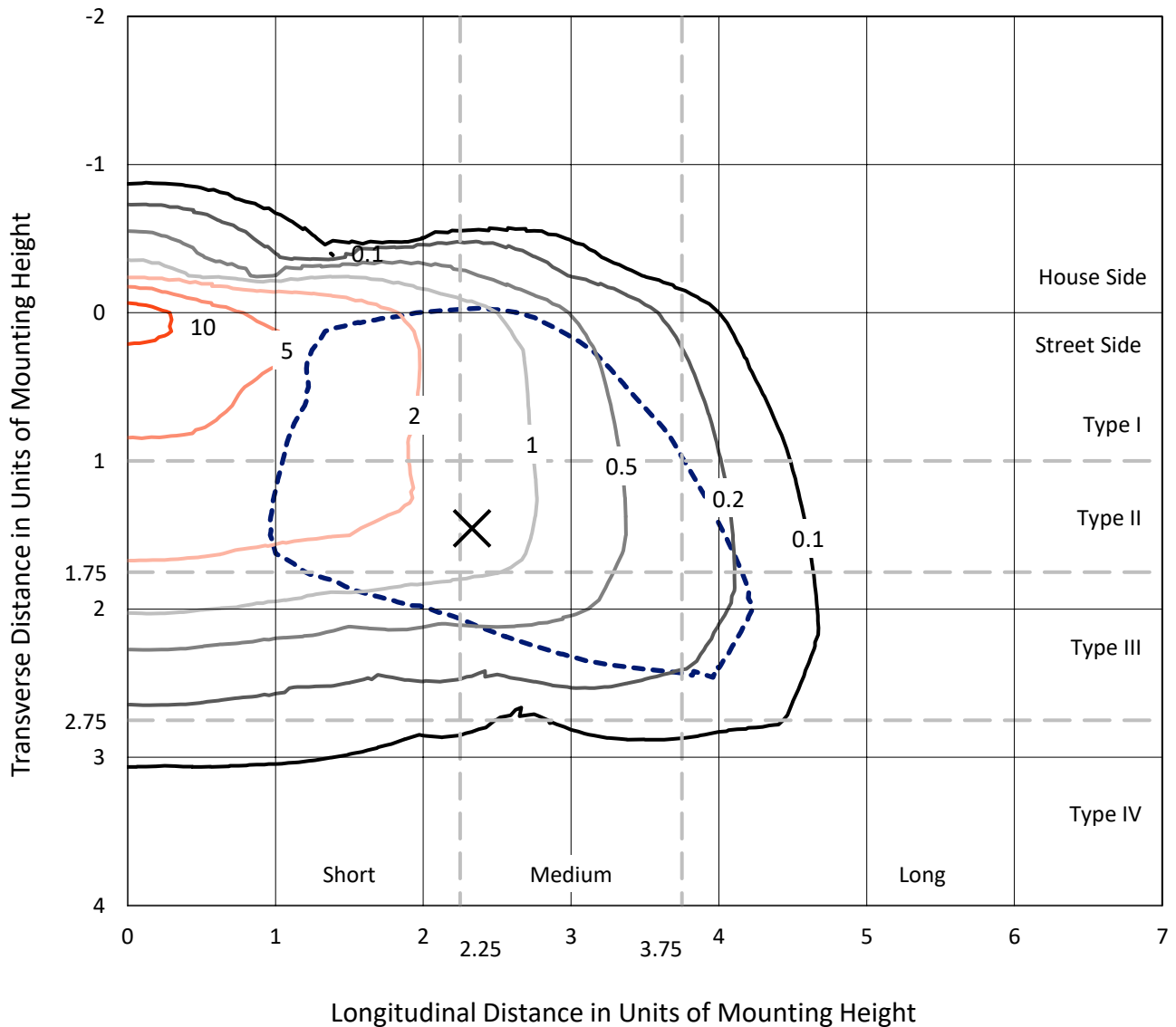
Lumens per Lamp: N/A  
Luminaire Lumens: 9427.1 lumens  
Efficiency: N/A  
Efficacy: 116.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 80.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Iso-Footcandle Lines of Horizontal Illumination

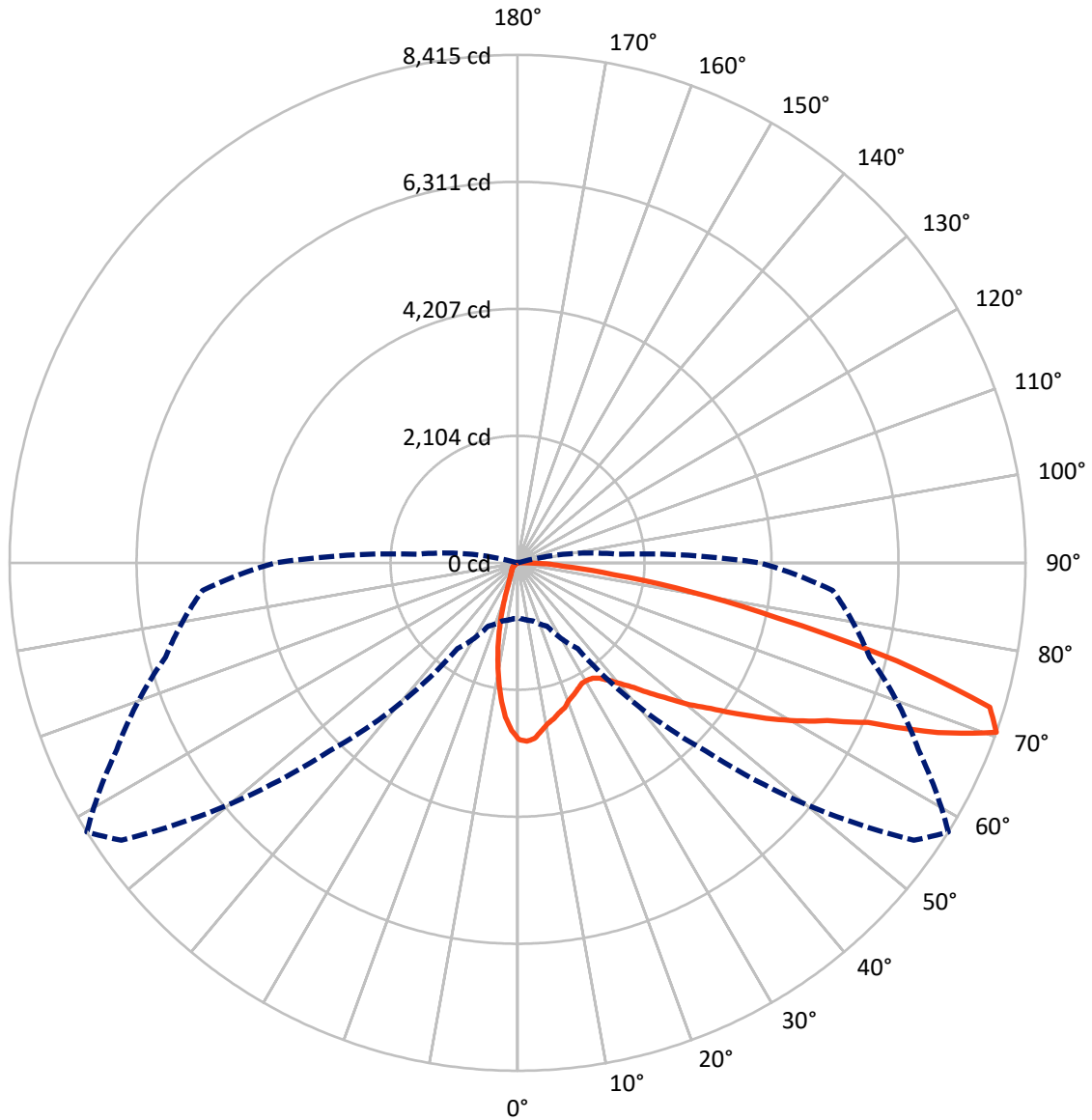
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 13 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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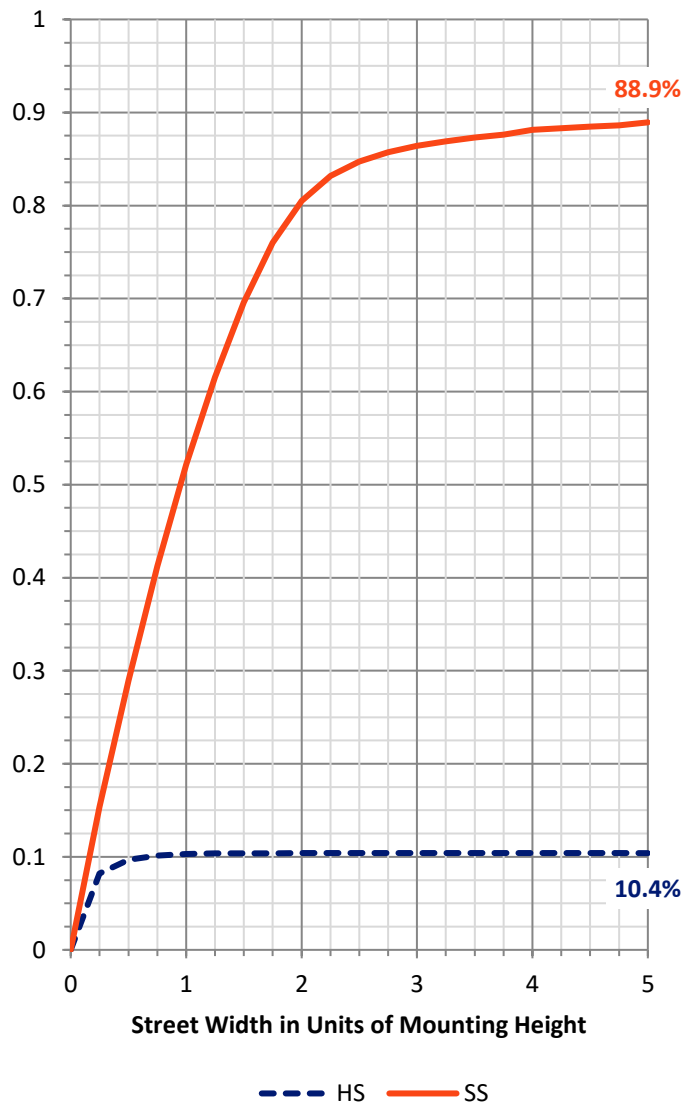
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	987.2	0.0	987.2
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	8439.9	0.0	8439.9
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	9427.1	0.0	9427.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	238.8	2.5
10°-20°	497.1	5.3
20°-30°	665.6	7.1
30°-40°	899.8	9.5
40°-50°	1291.4	13.7
50°-60°	1903.1	20.2
60°-70°	2321.3	24.6
70°-80°	1417.5	15.0
80°-90°	192.6	2.0
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°	9427.1	100.0
0°-180°	9427.1	100.0

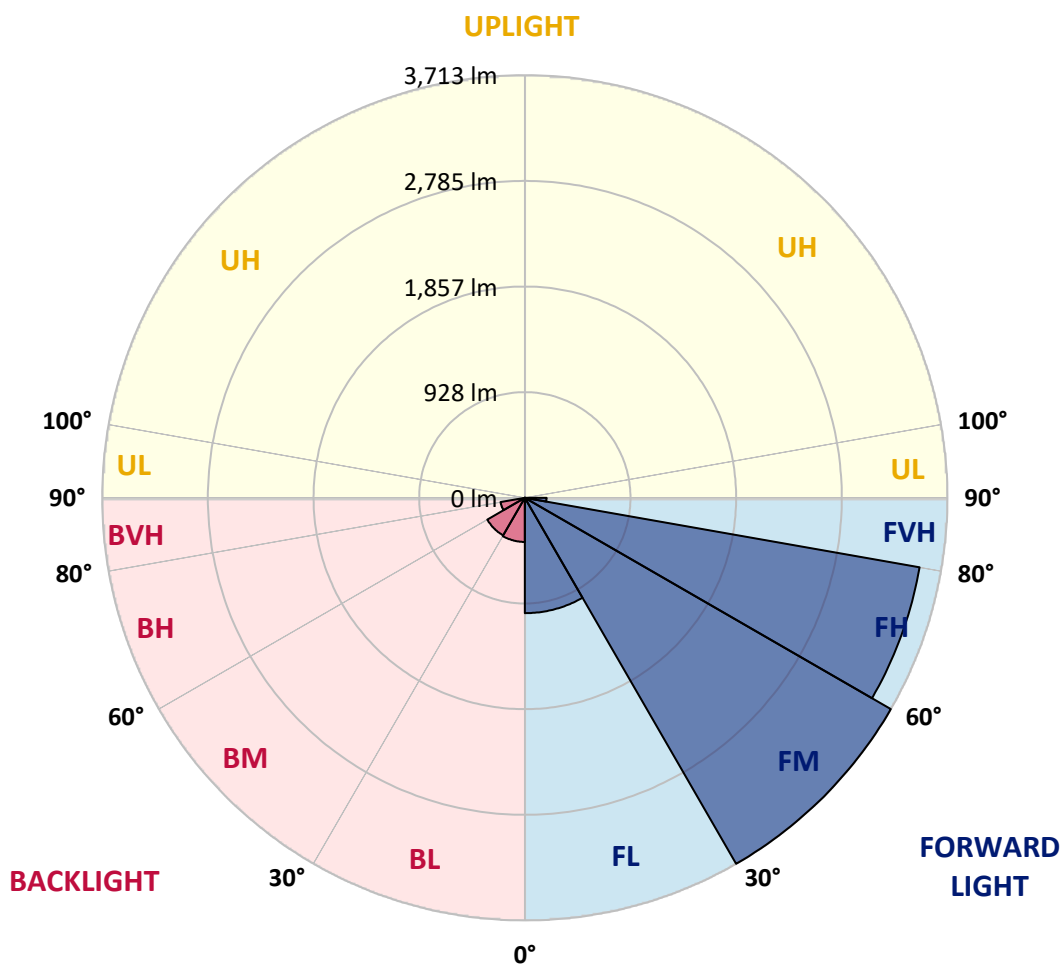


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1013.6	10.8			
FM (30°-60°)	3713.2	39.4			
FH (60°-80°)	3522.4	37.4			G2/5000
FVH (80°-90°)	190.7	2.0			G2/225
BL (0°-30°)	388.0	4.1	B1/500		
BM (30°-60°)	381.0	4.0	B1/1000		
BH (60°-80°)	216.3	2.3	B1/500		G1/500
BVH (80°-90°)	1.9	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-G2**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2926.5	2926.5	2926.5	2926.5	2926.5	2926.5	2926.5	2926.5	2926.5	2926.5	2926.5
2.5°	2979.5	2990.6	2964.0	2995.0	2966.2	2979.5	2964.0	2959.6	2961.8	2964.0	2946.4
5°	2840.3	2866.8	2877.8	2860.1	2902.1	2895.5	2922.0	2924.2	2913.2	2902.1	2904.4
7.5°	2656.8	2683.3	2694.4	2705.4	2747.4	2802.7	2838.0	2815.9	2833.6	2873.4	2813.7
10°	2524.2	2517.5	2515.3	2537.4	2617.0	2663.4	2723.1	2716.5	2760.7	2798.3	2749.6
12.5°	2360.6	2347.4	2387.1	2404.8	2475.6	2557.3	2603.8	2652.4	2696.6	2736.4	2681.1
15°	2239.0	2250.1	2265.6	2303.1	2354.0	2462.3	2530.8	2577.2	2656.8	2676.7	2654.6
17.5°	2141.8	2150.6	2172.7	2192.6	2256.7	2360.6	2468.9	2524.2	2608.2	2661.2	2592.7
20°	2144.0	2117.5	2117.5	2137.4	2172.7	2296.5	2411.5	2429.1	2544.1	2634.7	2588.3
22.5°	2146.2	2137.4	2117.5	2115.3	2130.7	2219.2	2336.3	2376.1	2499.9	2606.0	2550.7
25°	2177.2	2144.0	2146.2	2115.3	2121.9	2166.1	2258.9	2318.6	2460.1	2621.4	2530.8
27.5°	2203.7	2219.2	2188.2	2175.0	2137.4	2135.2	2212.5	2263.4	2440.2	2656.8	2544.1
30°	2263.4	2274.4	2274.4	2265.6	2230.2	2179.4	2197.1	2261.2	2400.4	2650.2	2522.0
32.5°	2362.8	2342.9	2369.5	2356.2	2309.8	2230.2	2245.7	2278.8	2424.7	2734.2	2557.3
35°	2396.0	2411.5	2446.8	2418.1	2402.6	2356.2	2325.3	2349.6	2460.1	2818.2	2610.4
37.5°	2497.7	2475.6	2499.9	2564.0	2579.4	2495.4	2435.8	2471.1	2592.7	2917.6	2659.0
40°	2506.5	2524.2	2568.4	2694.4	2709.8	2674.5	2625.9	2634.7	2725.3	3045.8	2780.6
42.5°	2550.7	2570.6	2661.2	2767.3	2851.3	2857.9	2822.6	2822.6	2899.9	3251.4	2915.4
45°	2636.9	2603.8	2720.9	2899.9	3021.5	3045.8	3092.2	3081.2	3143.1	3468.0	3167.4
47.5°	2670.1	2681.1	2809.3	3025.9	3165.2	3277.9	3355.3	3357.5	3388.4	3744.3	3494.5
50°	2778.4	2776.2	2930.9	3132.0	3337.6	3543.1	3693.4	3693.4	3691.2	4013.9	3775.2
52.5°	2922.0	2917.6	3037.0	3275.7	3543.1	3801.7	4000.7	4007.3	4058.1	4345.5	4097.9
55°	3156.3	3136.4	3251.4	3428.2	3748.7	4062.6	4407.4	4409.6	4369.8	4582.0	4330.0
57.5°	3353.0	3350.8	3445.9	3616.1	3978.6	4398.5	4798.6	4858.3	4732.3	4825.1	4515.7
60°	3302.2	3330.9	3527.7	3779.6	4221.7	4818.5	5220.8	5313.6	5112.5	4990.9	4654.9
62.5°	2986.1	3052.4	3266.8	3669.1	4427.3	5428.5	5802.1	5760.1	5311.4	5132.4	4825.1
65°	2148.4	2214.7	2480.0	3083.4	4188.5	5859.5	6566.8	6376.8	5665.0	5342.3	5052.8
67.5°	1264.3	1290.8	1456.6	1967.2	3132.0	5625.3	7495.2	7510.7	6361.3	5665.0	5446.2
70°	912.9	932.8	996.9	1160.4	1735.1	4409.6	8012.4	8414.7	7327.2	6036.4	5238.4
72.5°	700.7	700.7	809.0	965.9	1105.2	2641.3	7373.6	8180.4	7537.2	5680.5	4221.7
75°	504.0	517.2	634.4	831.1	1019.0	1326.2	5433.0	6491.7	6387.8	4604.1	2948.6
77.5°	289.6	296.2	446.5	696.2	957.1	910.6	3357.5	4400.7	4524.5	2882.3	1277.6
80°	148.1	152.5	249.8	550.4	866.4	793.5	2002.5	2897.7	2457.9	837.7	296.2
82.5°	72.9	72.9	112.7	351.4	736.0	702.9	1178.1	1600.3	870.9	192.3	123.8
85°	24.3	26.5	50.8	198.9	532.7	424.4	720.6	760.3	291.8	72.9	68.5
87.5°	6.6	8.8	13.3	72.9	232.1	278.5	428.8	486.3	119.4	28.7	33.2
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°	2926.5	2926.5	2926.5	2926.5	2926.5	2926.5	2926.5	2926.5	2926.5	2926.5	2926.5
2.5°	2880.0	2864.6	2846.9	2802.7	2767.3	2720.9	2690.0	2665.6	2619.2	2628.1	2608.2
5°	2851.3	2822.6	2720.9	2623.6	2535.2	2400.4	2307.6	2247.9	2199.3	2150.6	2186.0
7.5°	2800.5	2731.9	2572.8	2391.6	2203.7	2026.9	1850.0	1743.9	1666.6	1595.8	1593.6
10°	2714.3	2603.8	2354.0	2117.5	1827.9	1595.8	1370.4	1193.6	1078.6	994.6	992.4
12.5°	2617.0	2502.1	2188.2	1803.6	1469.9	1142.7	873.1	685.2	576.9	510.6	501.7
15°	2555.1	2387.1	1980.4	1525.1	1111.8	744.9	484.1	366.9	324.9	309.4	309.4
17.5°	2475.6	2283.3	1774.9	1235.6	771.4	431.0	313.9	282.9	280.7	276.3	271.9
20°	2442.4	2203.7	1591.4	985.8	488.5	305.0	269.7	263.0	263.0	258.6	254.2
22.5°	2354.0	2088.7	1396.9	722.8	324.9	267.4	254.2	245.3	240.9	236.5	240.9
25°	2314.2	2007.0	1213.5	499.5	265.2	238.7	232.1	223.2	216.6	214.4	214.4
27.5°	2287.7	1925.2	1034.4	347.0	234.3	218.8	205.6	198.9	190.1	181.2	181.2
30°	2267.8	1861.1	862.0	256.4	210.0	194.5	183.5	168.0	156.9	148.1	148.1
32.5°	2241.3	1785.9	689.6	218.8	190.1	174.6	154.7	141.5	126.0	119.4	119.4
35°	2250.1	1735.1	541.5	194.5	170.2	150.3	132.6	114.9	99.5	92.8	90.6
37.5°	2267.8	1697.5	411.1	174.6	152.5	130.4	110.5	90.6	81.8	72.9	72.9
40°	2342.9	1686.5	302.8	161.4	139.2	114.9	92.8	75.2	66.3	59.7	57.5
42.5°	2468.9	1701.9	234.3	145.9	126.0	97.3	77.4	61.9	53.0	46.4	44.2
45°	2630.3	1761.6	192.3	137.0	110.5	81.8	61.9	50.8	39.8	35.4	35.4
47.5°	2864.6	1854.5	168.0	126.0	97.3	68.5	53.0	39.8	30.9	26.5	26.5
50°	3129.8	1960.5	148.1	112.7	84.0	57.5	42.0	30.9	22.1	19.9	19.9
52.5°	3395.0	2095.4	137.0	103.9	72.9	46.4	33.2	22.1	15.5	13.3	13.3
55°	3673.5	2214.7	123.8	97.3	59.7	37.6	24.3	13.3	8.8	6.6	6.6
57.5°	3868.1	2261.2	108.3	84.0	46.4	28.7	17.7	8.8	4.4	2.2	2.2
60°	4007.3	2267.8	92.8	68.5	35.4	22.1	11.1	4.4	2.2	0.0	0.0
62.5°	4124.4	2281.0	79.6	53.0	26.5	15.5	6.6	2.2	0.0	0.0	0.0
65°	4356.5	2270.0	64.1	42.0	17.7	8.8	4.4	0.0	0.0	0.0	0.0
67.5°	4540.0	2159.5	50.8	28.7	11.1	4.4	2.2	0.0	0.0	0.0	0.0
70°	4016.1	1646.7	39.8	19.9	6.6	2.2	0.0	0.0	0.0	0.0	0.0
72.5°	3154.1	1098.5	26.5	11.1	4.4	2.2	0.0	0.0	0.0	0.0	0.0
75°	2068.9	545.9	19.9	6.6	2.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	804.6	143.7	13.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	194.5	48.6	6.6	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	84.0	17.7	4.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	50.8	8.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	26.5	4.4	2.2	2.2	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)