

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: P676992

Luminaire Tested: **CCW-SA-2D-735-U-SL3-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676992  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2D-735-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) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

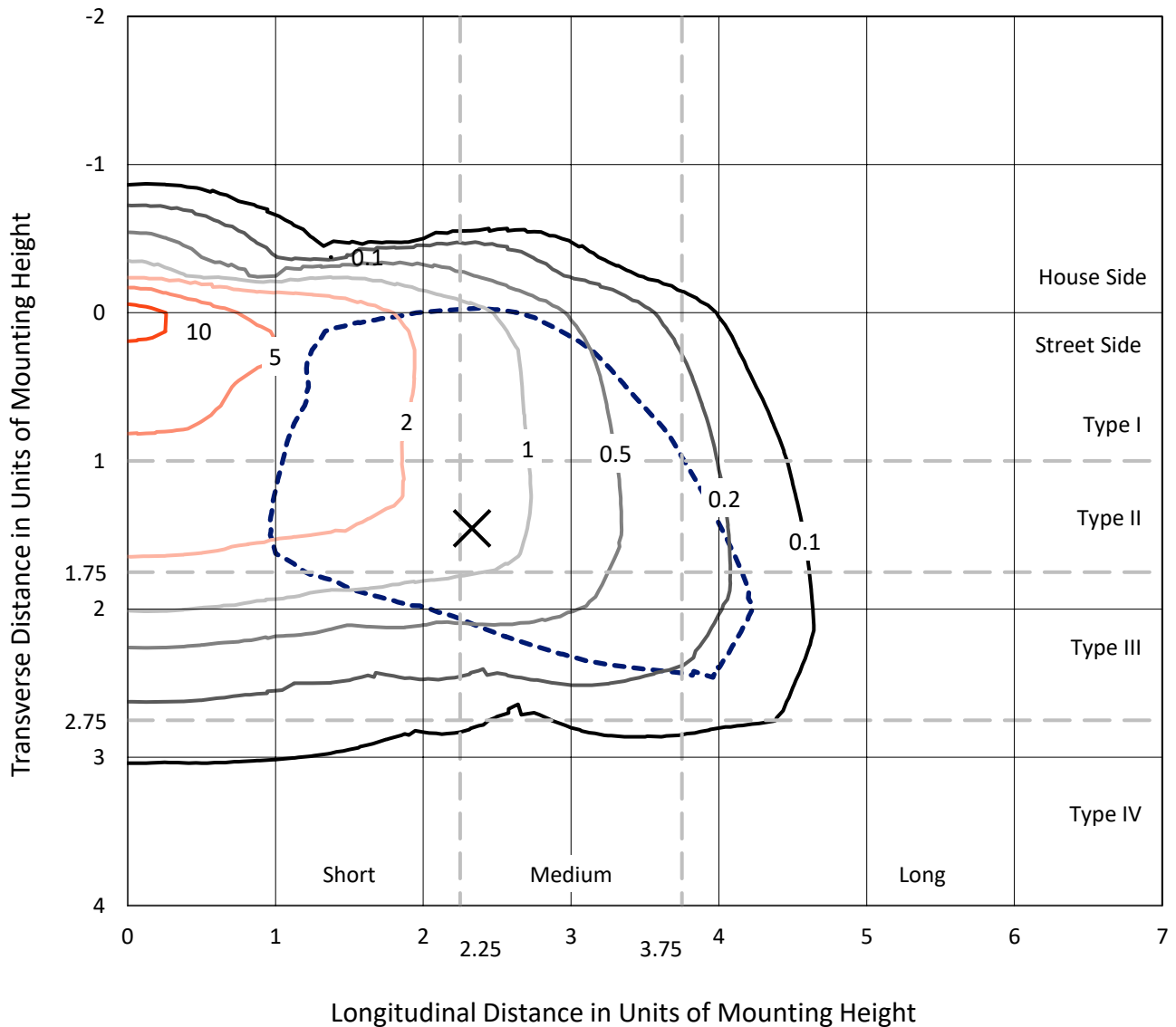
Lumens per Lamp: N/A  
Luminaire Lumens: 9089.8 lumens  
Efficiency: N/A  
Efficacy: 112.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

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

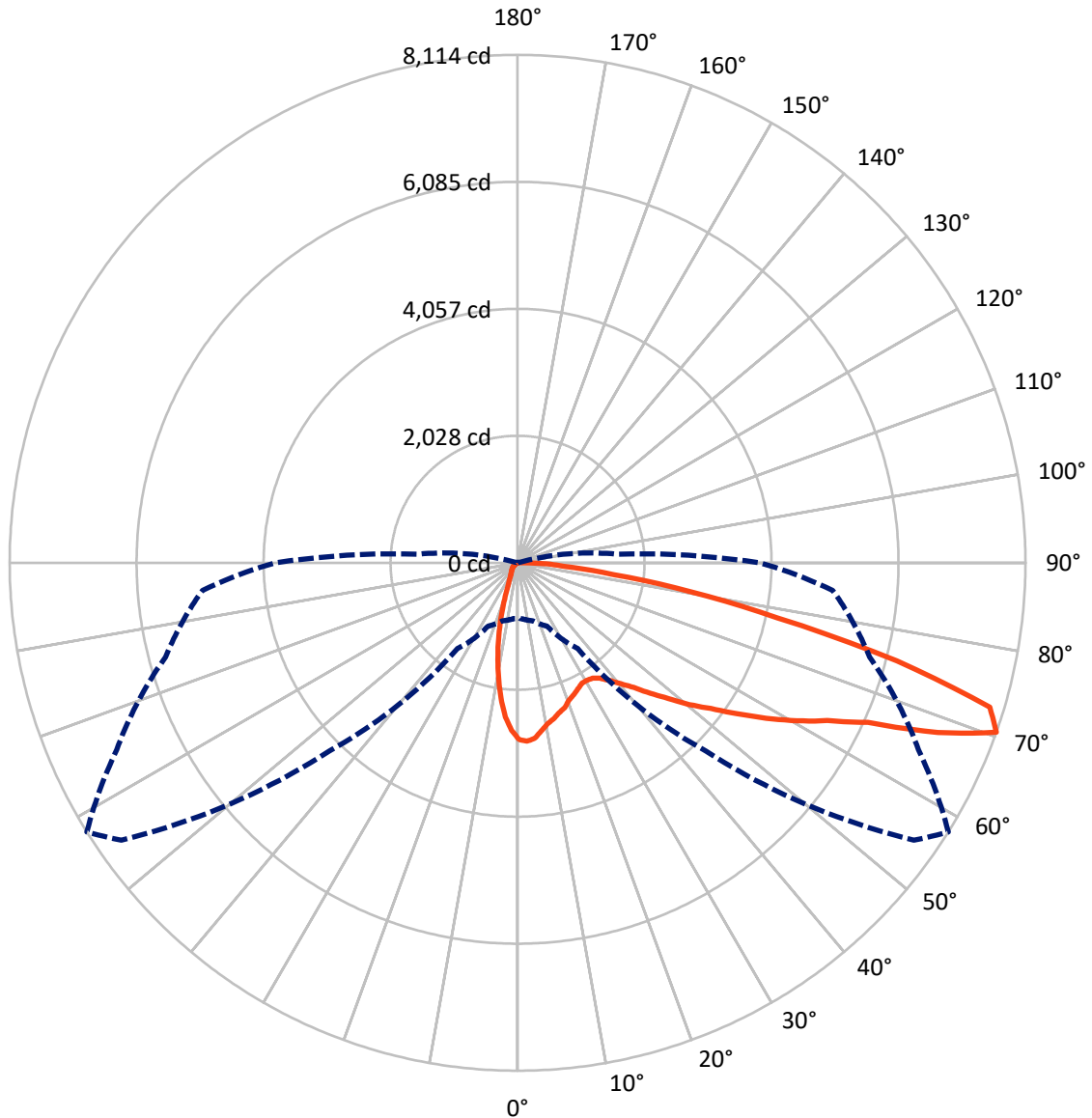
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 12.5 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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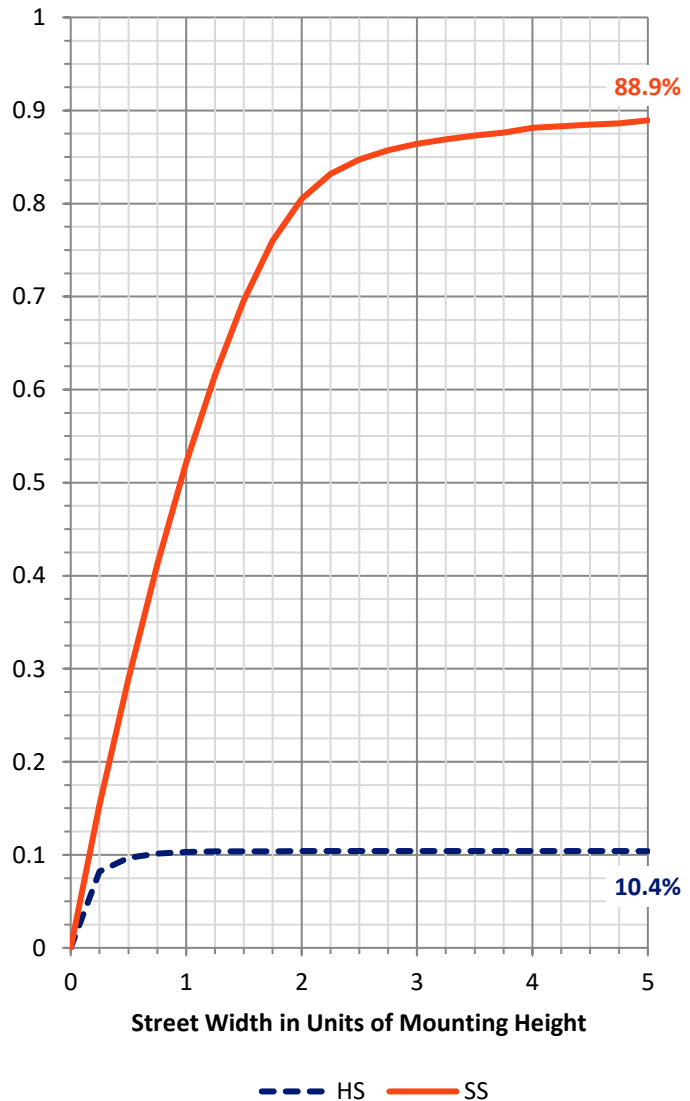
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	951.9	0.0	951.9
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	8137.9	0.0	8137.9
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	9089.8	0.0	9089.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.3	2.5
10°-20°	479.3	5.3
20°-30°	641.8	7.1
30°-40°	867.6	9.5
40°-50°	1245.2	13.7
50°-60°	1835.0	20.2
60°-70°	2238.2	24.6
70°-80°	1366.8	15.0
80°-90°	185.7	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°	9089.8	100.0
0°-180°	9089.8	100.0

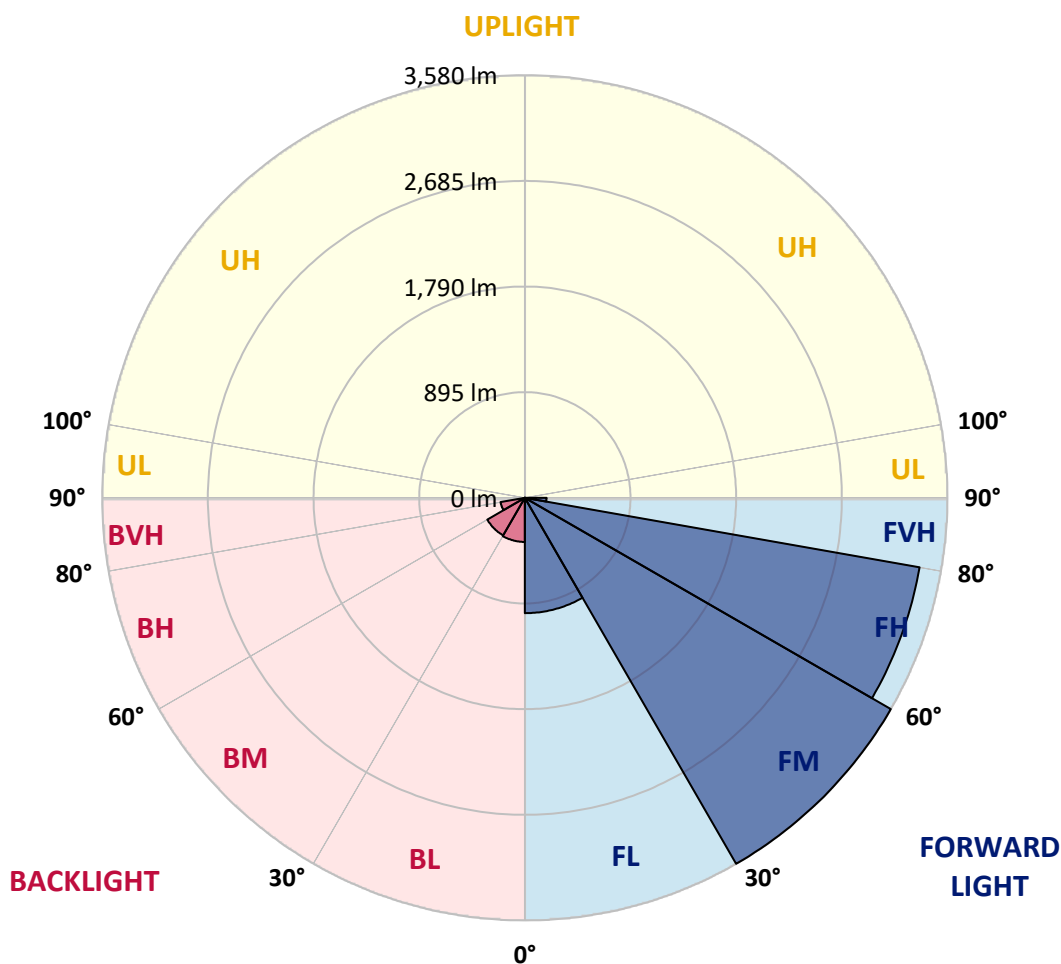


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	977.3	10.8			
FM (30°-60°)	3580.4	39.4			
FH (60°-80°)	3396.4	37.4			G2/5000
FVH (80°-90°)	183.9	2.0			G2/225
BL (0°-30°)	374.1	4.1	B1/500		
BM (30°-60°)	367.4	4.0	B1/1000		
BH (60°-80°)	208.6	2.3	B1/500		G1/500
BVH (80°-90°)	1.8	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°	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7
2.5°	2872.9	2883.6	2858.0	2887.8	2860.1	2872.9	2858.0	2853.7	2855.8	2858.0	2840.9
5°	2738.6	2764.2	2774.9	2757.8	2798.3	2791.9	2817.5	2819.6	2809.0	2798.3	2800.4
7.5°	2561.7	2587.3	2598.0	2608.6	2649.1	2702.4	2736.5	2715.2	2732.2	2770.6	2713.1
10°	2433.9	2427.5	2425.3	2446.7	2523.4	2568.1	2625.7	2619.3	2661.9	2698.1	2651.2
12.5°	2276.2	2263.4	2301.7	2318.8	2387.0	2465.8	2510.6	2557.5	2600.1	2638.5	2585.2
15°	2158.9	2169.6	2184.5	2220.7	2269.8	2374.2	2440.3	2485.0	2561.7	2580.9	2559.6
17.5°	2065.2	2073.7	2095.0	2114.2	2176.0	2276.2	2380.6	2433.9	2514.9	2566.0	2499.9
20°	2067.3	2041.7	2041.7	2060.9	2095.0	2214.3	2325.2	2342.2	2453.0	2540.4	2495.7
22.5°	2069.4	2060.9	2041.7	2039.6	2054.5	2139.8	2252.7	2291.1	2410.4	2512.7	2459.4
25°	2099.3	2067.3	2069.4	2039.6	2046.0	2088.6	2178.1	2235.7	2372.1	2527.6	2440.3
27.5°	2124.8	2139.8	2109.9	2097.1	2060.9	2058.8	2133.4	2182.4	2352.9	2561.7	2453.0
30°	2182.4	2193.0	2193.0	2184.5	2150.4	2101.4	2118.4	2180.2	2314.5	2555.3	2431.7
32.5°	2278.3	2259.1	2284.7	2271.9	2227.1	2150.4	2165.3	2197.3	2338.0	2636.3	2465.8
35°	2310.3	2325.2	2359.3	2331.6	2316.6	2271.9	2242.1	2265.5	2372.1	2717.3	2517.0
37.5°	2408.3	2387.0	2410.4	2472.2	2487.1	2406.2	2348.6	2382.7	2499.9	2813.2	2563.9
40°	2416.8	2433.9	2476.5	2598.0	2612.9	2578.8	2531.9	2540.4	2627.8	2936.8	2681.1
42.5°	2459.4	2478.6	2566.0	2668.3	2749.3	2755.7	2721.6	2721.6	2796.2	3135.0	2811.1
45°	2542.6	2510.6	2623.5	2796.2	2913.4	2936.8	2981.6	2970.9	3030.6	3343.9	3054.1
47.5°	2574.5	2585.2	2708.8	2917.7	3051.9	3160.6	3235.2	3237.3	3267.2	3610.3	3369.5
50°	2679.0	2676.8	2826.0	3020.0	3218.2	3416.4	3561.3	3561.3	3559.2	3870.3	3640.1
52.5°	2817.5	2813.2	2928.3	3158.5	3416.4	3665.7	3857.5	3863.9	3912.9	4190.0	3951.3
55°	3043.4	3024.2	3135.0	3305.5	3614.6	3917.2	4249.7	4251.8	4213.4	4418.0	4175.1
57.5°	3233.1	3230.9	3322.6	3486.7	3836.2	4241.1	4626.9	4684.4	4563.0	4652.5	4354.1
60°	3184.1	3211.8	3401.4	3644.4	4070.6	4646.1	5034.0	5123.5	4929.5	4812.3	4488.4
62.5°	2879.3	2943.2	3150.0	3537.8	4268.9	5234.3	5594.5	5554.0	5121.3	4948.7	4652.5
65°	2071.6	2135.5	2391.2	2973.1	4038.7	5649.9	6331.9	6148.6	5462.3	5151.2	4872.0
67.5°	1219.1	1244.6	1404.5	1896.8	3020.0	5424.0	7227.0	7241.9	6133.7	5462.3	5251.3
70°	880.2	899.4	961.2	1118.9	1673.0	4251.8	7725.7	8113.6	7065.0	5820.4	5051.0
72.5°	675.6	675.6	780.0	931.3	1065.6	2546.8	7109.8	7887.7	7267.5	5477.3	4070.6
75°	485.9	498.7	611.7	801.3	982.5	1278.7	5238.6	6259.4	6159.3	4439.3	2843.1
77.5°	279.2	285.6	430.5	671.3	922.8	878.1	3237.3	4243.3	4362.6	2779.1	1231.9
80°	142.8	147.1	240.8	530.7	835.4	765.1	1930.9	2794.0	2369.9	807.7	285.6
82.5°	70.3	70.3	108.7	338.9	709.7	677.7	1135.9	1543.0	839.7	185.4	119.3
85°	23.4	25.6	49.0	191.8	513.6	409.2	694.8	733.1	281.3	70.3	66.1
87.5°	6.4	8.5	12.8	70.3	223.8	268.5	413.5	468.9	115.1	27.7	32.0
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°	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7
2.5°	2777.0	2762.1	2745.0	2702.4	2668.3	2623.5	2593.7	2570.3	2525.5	2534.0	2514.9
5°	2749.3	2721.6	2623.5	2529.8	2444.5	2314.5	2225.0	2167.5	2120.6	2073.7	2107.8
7.5°	2700.3	2634.2	2480.8	2306.0	2124.8	1954.3	1783.8	1681.5	1606.9	1538.7	1536.6
10°	2617.1	2510.6	2269.8	2041.7	1762.5	1538.7	1321.4	1150.9	1040.0	959.1	956.9
12.5°	2523.4	2412.6	2109.9	1739.1	1417.3	1101.8	841.8	660.7	556.3	492.3	483.8
15°	2463.7	2301.7	1909.6	1470.5	1072.0	718.2	466.7	353.8	313.3	298.4	298.4
17.5°	2387.0	2201.6	1711.4	1191.4	743.8	415.6	302.6	272.8	270.7	266.4	262.1
20°	2355.0	2124.8	1534.5	950.5	471.0	294.1	260.0	253.6	253.6	249.4	245.1
22.5°	2269.8	2014.0	1346.9	696.9	313.3	257.9	245.1	236.6	232.3	228.0	232.3
25°	2231.4	1935.2	1170.0	481.7	255.7	230.2	223.8	215.3	208.9	206.7	206.7
27.5°	2205.8	1856.3	997.4	334.6	225.9	211.0	198.2	191.8	183.3	174.8	174.8
30°	2186.6	1794.5	831.2	247.2	202.5	187.5	176.9	162.0	151.3	142.8	142.8
32.5°	2161.1	1722.0	664.9	211.0	183.3	168.4	149.2	136.4	121.5	115.1	115.1
35°	2169.6	1673.0	522.2	187.5	164.1	144.9	127.9	110.8	95.9	89.5	87.4
37.5°	2186.6	1636.8	396.4	168.4	147.1	125.7	106.6	87.4	78.9	70.3	70.3
40°	2259.1	1626.1	292.0	155.6	134.3	110.8	89.5	72.5	63.9	57.5	55.4
42.5°	2380.6	1641.0	225.9	140.7	121.5	93.8	74.6	59.7	51.1	44.8	42.6
45°	2536.2	1698.6	185.4	132.1	106.6	78.9	59.7	49.0	38.4	34.1	34.1
47.5°	2762.1	1788.1	162.0	121.5	93.8	66.1	51.1	38.4	29.8	25.6	25.6
50°	3017.8	1890.4	142.8	108.7	81.0	55.4	40.5	29.8	21.3	19.2	19.2
52.5°	3273.6	2020.4	132.1	100.2	70.3	44.8	32.0	21.3	14.9	12.8	12.8
55°	3542.1	2135.5	119.3	93.8	57.5	36.2	23.4	12.8	8.5	6.4	6.4
57.5°	3729.7	2180.2	104.4	81.0	44.8	27.7	17.0	8.5	4.3	2.1	2.1
60°	3863.9	2186.6	89.5	66.1	34.1	21.3	10.7	4.3	2.1	0.0	0.0
62.5°	3976.9	2199.4	76.7	51.1	25.6	14.9	6.4	2.1	0.0	0.0	0.0
65°	4200.7	2188.8	61.8	40.5	17.0	8.5	4.3	0.0	0.0	0.0	0.0
67.5°	4377.5	2082.2	49.0	27.7	10.7	4.3	2.1	0.0	0.0	0.0	0.0
70°	3872.4	1587.8	38.4	19.2	6.4	2.1	0.0	0.0	0.0	0.0	0.0
72.5°	3041.3	1059.2	25.6	10.7	4.3	2.1	0.0	0.0	0.0	0.0	0.0
75°	1994.8	526.4	19.2	6.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	775.8	138.5	12.8	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	187.5	46.9	6.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	81.0	17.0	4.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	49.0	8.5	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	25.6	4.3	2.1	2.1	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)