

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: P671433

Luminaire Tested: **CCP-SA-2E-827-U-SL3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671433
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-827-U-SL3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ SL3 distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

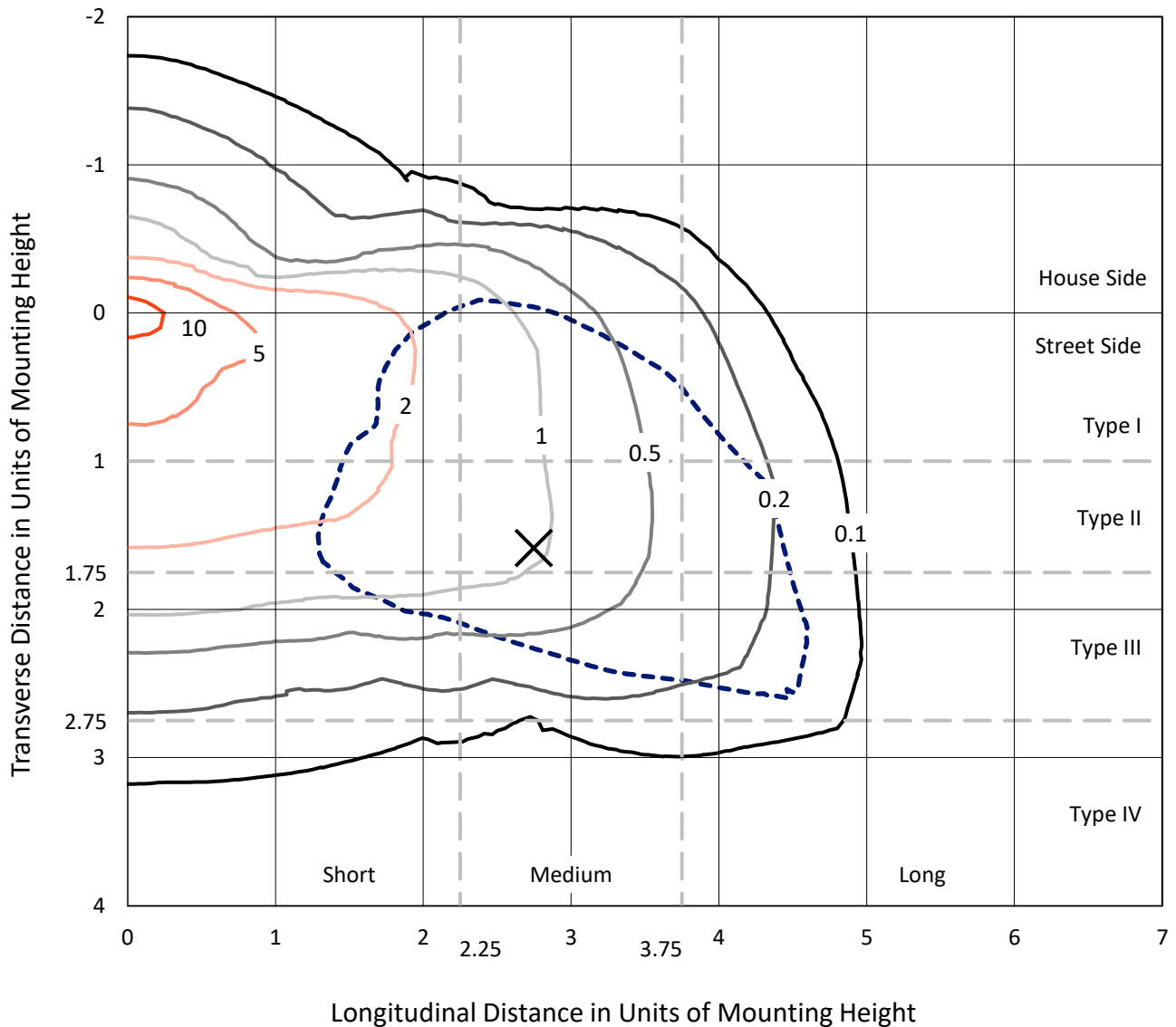
Lumens per Lamp: N/A
Luminaire Lumens: 9937.9 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 106.6
Input Voltage (V): 120
Input Current (Ain): 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

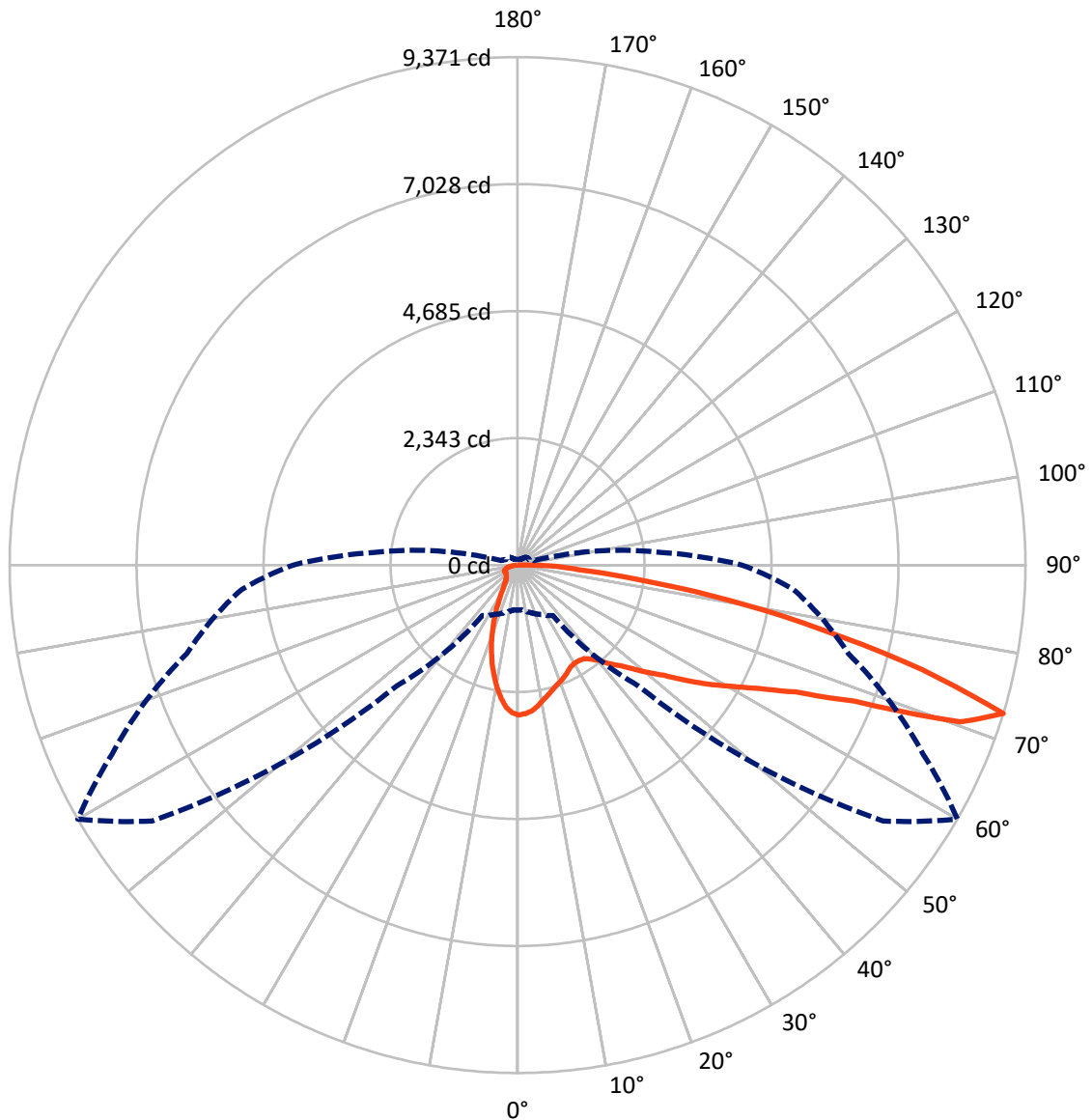
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 12.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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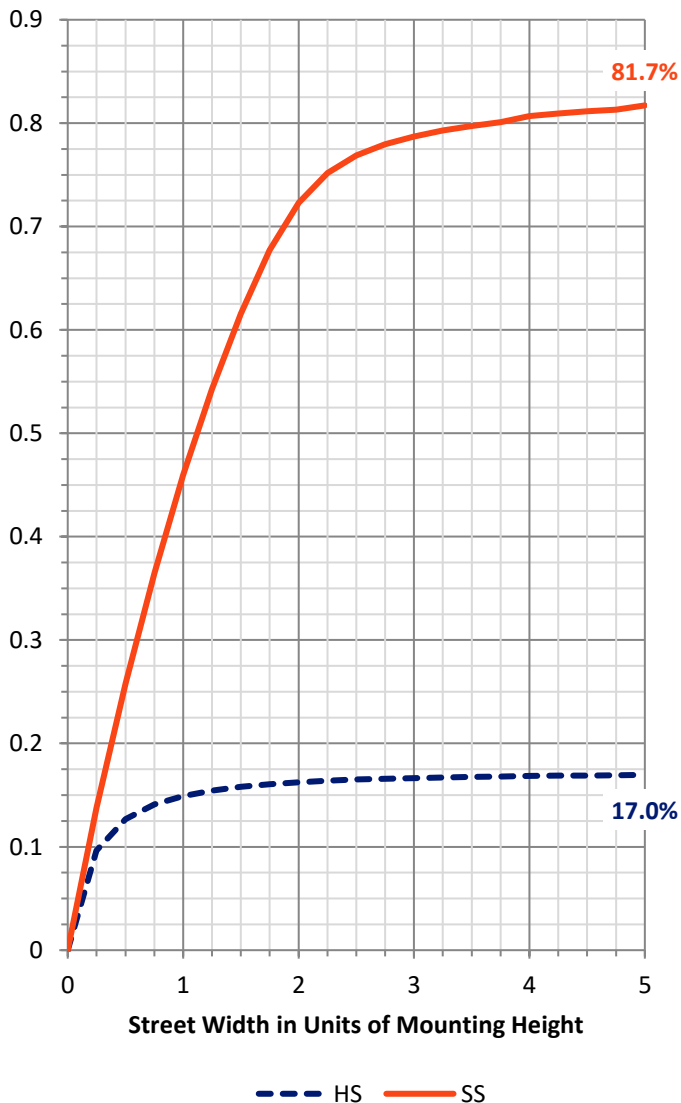
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1707.2	0.0	1707.2
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	8230.7	0.0	8230.7
	% Fixture	82.8	0.0	82.8
Total	Lumens	9937.9	0.0	9937.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.9	2.4
10°-20°	543.9	5.5
20°-30°	696.1	7.0
30°-40°	890.5	9.0
40°-50°	1221.3	12.3
50°-60°	1766.5	17.8
60°-70°	2423.3	24.4
70°-80°	1818.5	18.3
80°-90°	338.0	3.4
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°	9937.9	100.0
0°-180°	9937.9	100.0



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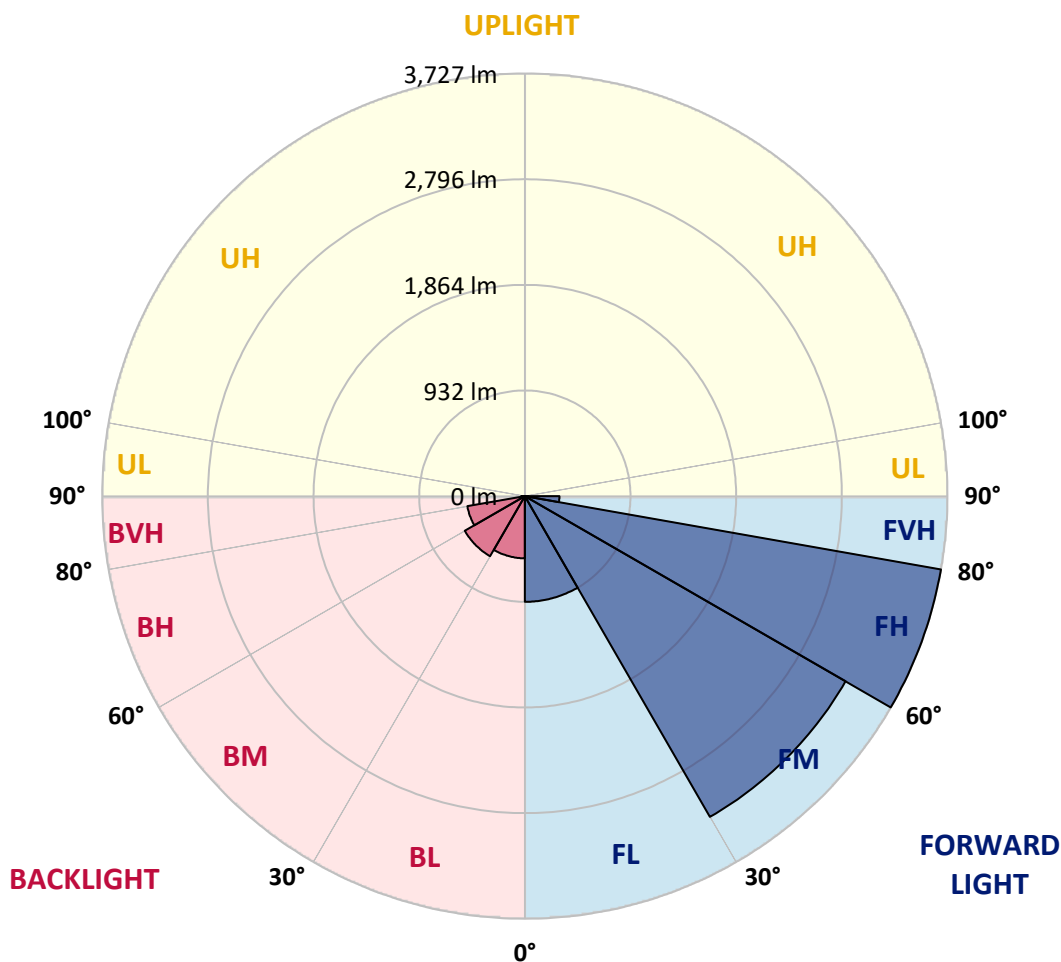
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	931.8	9.4			
FM (30°-60°)	3266.5	32.9			
FH (60°-80°)	3727.3	37.5			G2/5000
FVH (80°-90°)	305.1	3.1			G3/500
BL (0°-30°)	548.0	5.5	B2/1000		
BM (30°-60°)	611.8	6.2	B1/1000		
BH (60°-80°)	514.5	5.2	B2/1000		G2/1000
BVH (80°-90°)	32.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2767.2	2767.2	2767.2	2767.2	2767.2	2767.2	2767.2	2767.2	2767.2	2767.2	2767.2
2.5°	2708.0	2733.9	2741.3	2741.3	2763.5	2737.6	2774.6	2745.0	2752.4	2763.5	2756.1
5°	2578.5	2622.9	2597.0	2645.1	2626.6	2659.9	2704.3	2704.3	2693.2	2715.4	2696.9
7.5°	2452.8	2438.0	2482.3	2482.3	2511.9	2556.3	2593.3	2630.3	2634.0	2641.4	2637.7
10°	2282.6	2301.1	2323.3	2352.9	2389.9	2434.3	2511.9	2541.5	2548.9	2593.3	2582.2
12.5°	2142.0	2167.9	2182.7	2241.9	2275.2	2338.1	2426.9	2467.6	2471.3	2534.1	2534.1
15°	2038.4	2053.2	2086.5	2108.7	2182.7	2271.5	2356.6	2393.6	2434.3	2500.8	2482.3
17.5°	1968.1	1986.6	2001.4	2031.0	2101.3	2175.3	2308.5	2330.7	2378.8	2475.0	2452.8
20°	1927.4	1931.1	1953.3	1971.8	2034.7	2105.0	2223.4	2282.6	2345.5	2430.6	2408.4
22.5°	1934.8	1920.0	1916.3	1942.2	1953.3	2019.9	2164.2	2227.1	2315.9	2415.8	2378.8
25°	1949.6	1953.3	1945.9	1923.7	1927.4	1986.6	2082.8	2164.2	2264.1	2412.1	2338.1
27.5°	1986.6	2005.1	1975.5	1953.3	1931.1	1953.3	2053.2	2112.4	2223.4	2430.6	2334.4
30°	2023.6	2042.1	2034.7	2001.4	1957.0	1949.6	2019.9	2093.9	2201.2	2445.4	2334.4
32.5°	2079.1	2105.0	2079.1	2090.2	2038.4	2005.1	2031.0	2097.6	2223.4	2497.1	2338.1
35°	2142.0	2164.2	2171.6	2145.7	2134.6	2071.7	2086.5	2119.8	2245.6	2556.3	2375.1
37.5°	2212.3	2238.2	2260.4	2264.1	2227.1	2190.1	2182.7	2201.2	2301.1	2659.9	2415.8
40°	2260.4	2275.2	2319.6	2356.6	2367.7	2315.9	2312.2	2312.2	2401.0	2752.4	2489.7
42.5°	2341.8	2334.4	2397.3	2463.9	2482.3	2452.8	2460.2	2489.7	2541.5	2885.6	2608.1
45°	2382.5	2375.1	2449.1	2560.0	2645.1	2630.3	2637.7	2648.8	2696.9	3096.5	2807.9
47.5°	2438.0	2445.4	2552.6	2678.4	2767.2	2819.0	2859.7	2856.0	2893.0	3311.0	3029.9
50°	2493.4	2508.2	2637.7	2770.9	2926.3	3015.1	3074.3	3115.0	3152.0	3536.7	3285.1
52.5°	2600.7	2615.5	2759.8	2904.1	3103.9	3233.3	3381.3	3377.6	3381.3	3762.4	3540.4
55°	2756.1	2759.8	2844.9	3011.4	3281.4	3518.2	3721.7	3743.9	3681.0	4043.5	3832.7
57.5°	2933.7	2948.5	3022.5	3148.3	3422.0	3792.0	4102.7	4147.1	3976.9	4272.9	4099.0
60°	3100.2	3111.3	3225.9	3370.2	3666.2	4136.0	4487.5	4539.3	4354.3	4554.1	4376.5
62.5°	2911.5	2967.0	3170.5	3499.7	4095.3	4657.6	4975.8	5009.1	4720.5	4838.9	4672.4
65°	2330.7	2367.7	2659.9	3192.6	4124.9	5604.7	5730.5	5641.7	5223.7	5205.2	5120.1
67.5°	1298.5	1328.1	1527.9	2086.5	3473.8	5959.9	7354.6	6703.5	6004.3	5756.4	5726.8
70°	1024.8	1032.2	1058.1	1172.7	1927.4	5253.3	8634.6	8664.2	7280.6	6514.8	5856.3
72.5°	832.4	828.7	906.4	1006.3	1139.4	3152.0	8231.3	9370.8	8257.2	6315.0	5101.6
75°	636.3	647.4	747.3	891.6	1043.3	1483.5	6141.1	7709.7	7735.6	5885.9	4302.5
77.5°	484.6	488.3	599.3	788.0	1021.1	1047.0	4006.5	5745.3	5771.2	4557.8	2371.4
80°	362.5	362.5	455.0	665.9	995.2	965.6	2467.6	3984.3	3607.0	1601.9	517.9
82.5°	207.2	222.0	303.4	506.8	902.7	928.6	1391.0	2282.6	1524.2	436.5	240.5
85°	111.0	114.7	185.0	340.4	743.6	887.9	1061.8	1135.7	606.7	233.1	111.0
87.5°	40.7	40.7	85.1	173.9	469.8	658.5	843.5	725.1	347.8	107.3	55.5
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°	2767.2	2767.2	2767.2	2767.2	2767.2	2767.2	2767.2	2767.2	2767.2	2767.2	2767.2
2.5°	2763.5	2748.7	2737.6	2748.7	2708.0	2689.5	2711.7	2700.6	2678.4	2667.3	2659.9
5°	2708.0	2689.5	2671.0	2659.9	2615.5	2571.1	2548.9	2504.5	2467.6	2478.7	2456.5
7.5°	2648.8	2630.3	2574.8	2523.0	2434.3	2345.5	2304.8	2241.9	2219.7	2201.2	2190.1
10°	2574.8	2541.5	2456.5	2352.9	2223.4	2123.5	2019.9	1945.9	1868.2	1834.9	1846.0
12.5°	2482.3	2463.9	2330.7	2171.6	1990.3	1823.8	1701.8	1583.4	1479.8	1424.3	1409.5
15°	2441.7	2386.2	2193.8	1982.9	1753.6	1546.4	1365.1	1157.9	1035.9	976.7	976.7
17.5°	2397.3	2293.7	2064.3	1775.7	1513.1	1246.7	991.5	802.8	706.6	673.3	673.3
20°	2327.0	2212.3	1912.6	1579.7	1261.5	939.7	710.3	606.7	577.1	554.9	558.6
22.5°	2275.2	2134.6	1772.0	1387.3	998.9	699.2	558.6	525.3	514.2	506.8	510.5
25°	2216.0	2042.1	1624.1	1180.1	784.3	551.2	484.6	469.8	477.2	480.9	480.9
27.5°	2167.9	1964.4	1472.4	958.2	591.9	466.1	436.5	432.8	447.6	455.0	458.7
30°	2134.6	1894.1	1324.4	754.7	473.5	414.3	399.5	399.5	418.0	425.4	429.1
32.5°	2101.3	1834.9	1165.3	577.1	403.2	369.9	366.2	369.9	381.0	381.0	384.7
35°	2112.4	1779.4	1013.7	466.1	362.5	340.4	340.4	340.4	344.1	347.8	347.8
37.5°	2134.6	1764.7	850.9	392.1	333.0	318.2	318.2	314.5	318.2	314.5	318.2
40°	2156.8	1742.5	702.9	347.8	314.5	303.4	299.7	292.3	288.6	288.6	292.3
42.5°	2249.3	1772.0	577.1	318.2	299.7	292.3	281.2	273.8	270.1	270.1	270.1
45°	2367.7	1827.5	477.2	303.4	288.6	270.1	262.7	259.0	251.6	255.3	259.0
47.5°	2545.2	1912.6	418.0	292.3	277.5	255.3	247.9	240.5	240.5	247.9	247.9
50°	2778.3	2053.2	381.0	281.2	266.4	244.2	233.1	229.4	229.4	240.5	240.5
52.5°	3029.9	2216.0	366.2	277.5	255.3	233.1	222.0	218.3	218.3	233.1	233.1
55°	3281.4	2415.8	377.3	277.5	247.9	222.0	210.9	203.5	207.2	218.3	218.3
57.5°	3558.9	2630.3	432.8	277.5	240.5	218.3	203.5	192.4	196.1	199.8	199.8
60°	3862.3	2911.5	529.0	277.5	236.8	210.9	192.4	177.6	177.6	181.3	181.3
62.5°	4169.3	3188.9	665.9	281.2	240.5	207.2	177.6	162.8	159.1	162.8	162.8
65°	4572.6	3632.9	802.8	281.2	251.6	199.8	166.5	148.0	144.3	144.3	148.0
67.5°	5138.6	3951.0	621.5	270.1	259.0	199.8	155.4	136.9	129.5	129.5	129.5
70°	4838.9	3333.2	395.8	251.6	247.9	207.2	148.0	125.8	118.4	114.7	114.7
72.5°	4143.4	2667.3	318.2	236.8	229.4	203.5	140.6	118.4	107.3	103.6	103.6
75°	3322.1	2105.0	277.5	214.6	199.8	170.2	129.5	107.3	99.9	92.5	92.5
77.5°	1627.8	880.5	210.9	188.7	170.2	129.5	114.7	99.9	88.8	81.4	81.4
80°	406.9	307.1	155.4	148.0	125.8	99.9	92.5	85.1	77.7	70.3	70.3
82.5°	218.3	181.3	111.0	99.9	85.1	70.3	70.3	66.6	62.9	55.5	51.8
85°	111.0	107.3	74.0	66.6	55.5	44.4	48.1	48.1	44.4	33.3	33.3
87.5°	59.2	59.2	37.0	29.6	25.9	22.2	22.2	22.2	18.5	14.8	14.8
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)