

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: P674400

Luminaire Tested: **CCP-SA-2C-730-U-AFL-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674400  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-730-U-AFL-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ AFL distribution lens and House Side Shield  
Light Source: (32) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

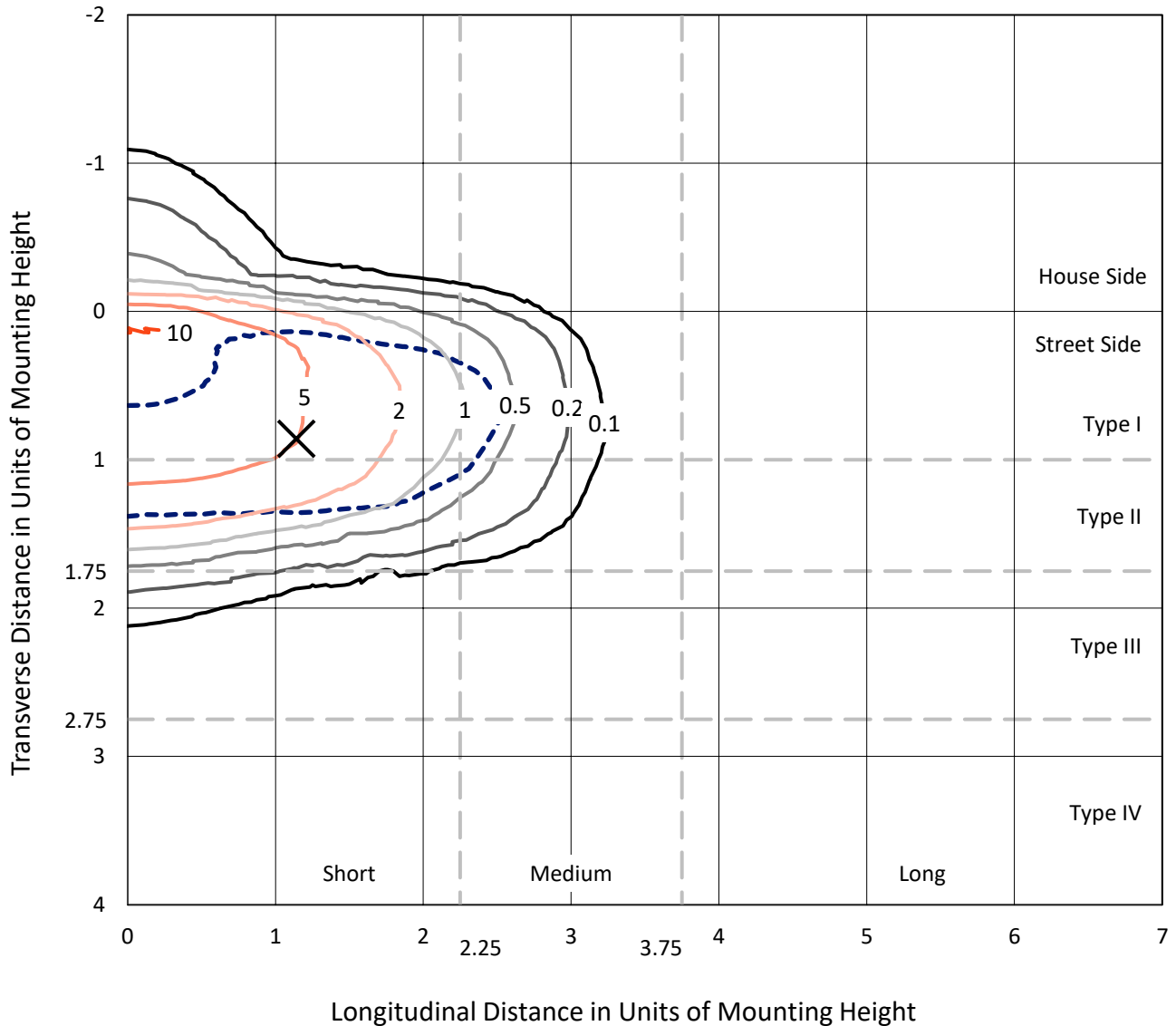
Lumens per Lamp: N/A  
Luminaire Lumens: 6827.5 lumens  
Efficiency: N/A  
Efficacy: 109.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 62.1  
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

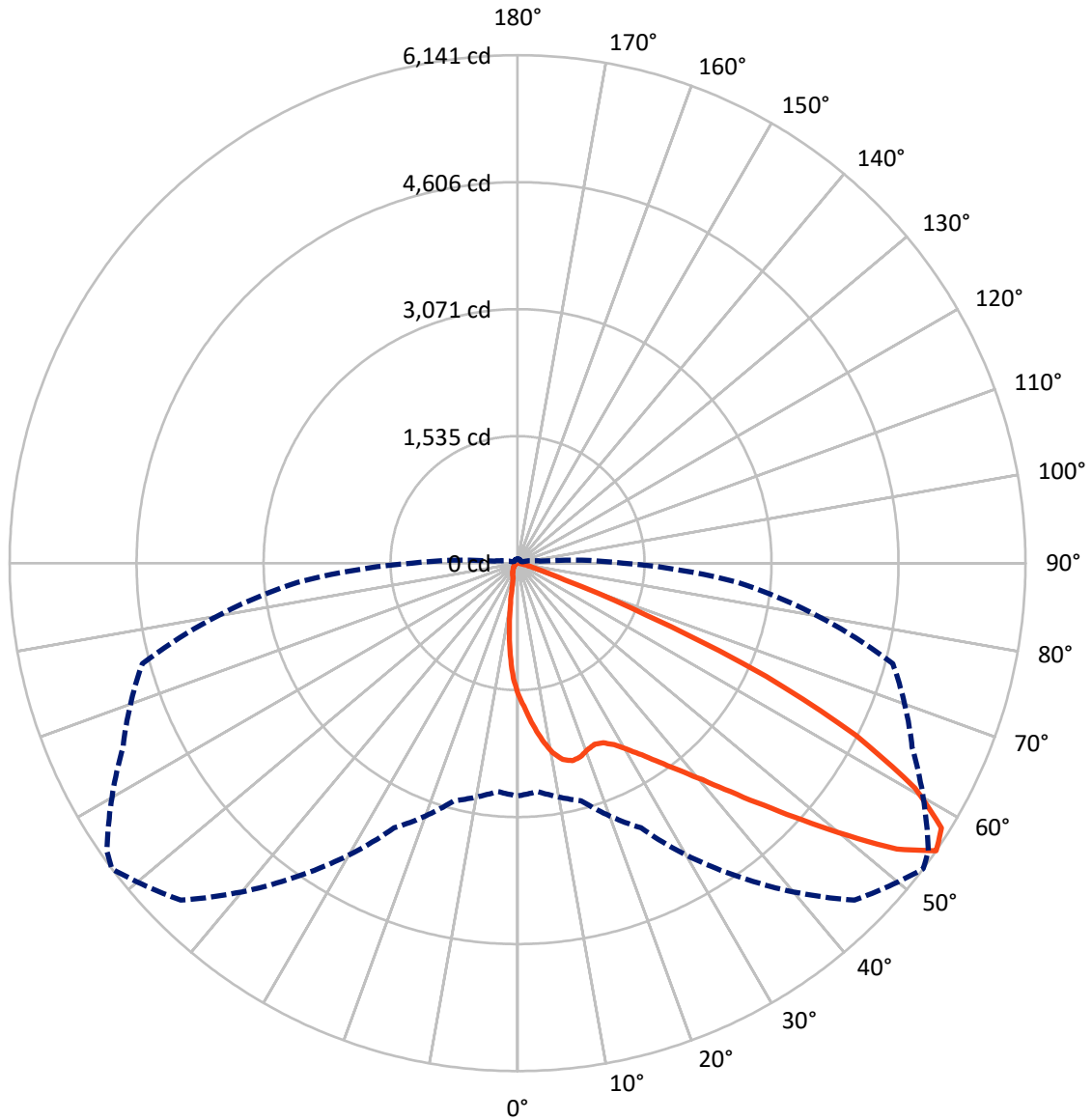
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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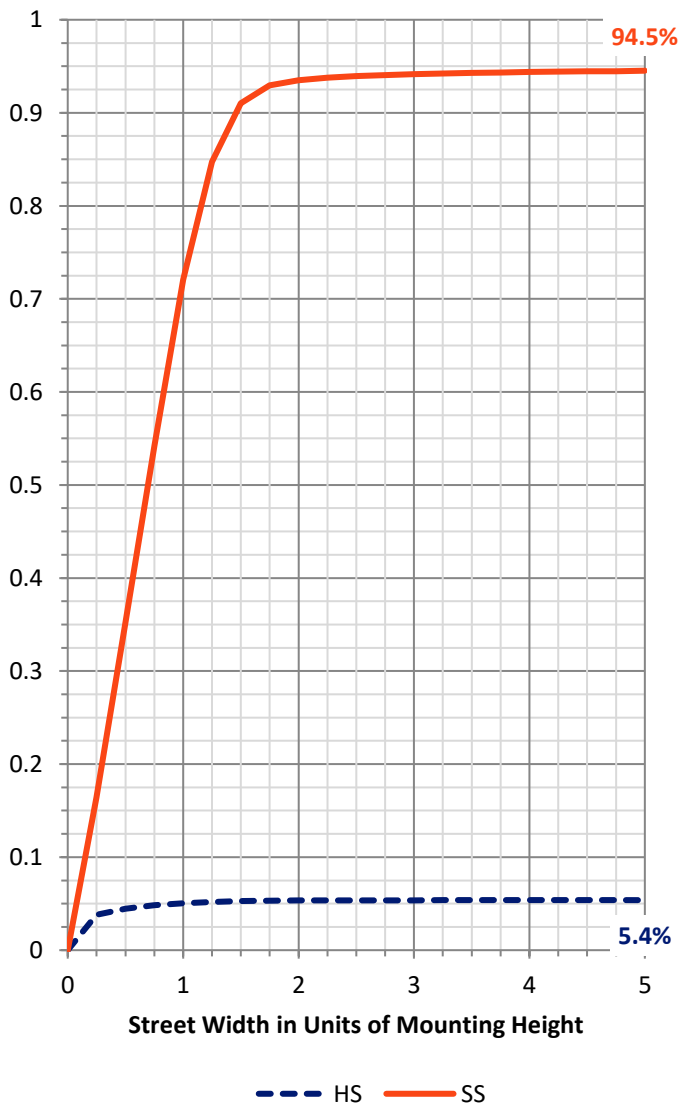
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	369.1	0.0	369.1
	% Fixture	5.4	0.0	5.4
<b>Street Side</b>	Lumens	6458.4	0.0	6458.4
	% Fixture	94.6	0.0	94.6
<b>Total</b>	Lumens	6827.5	0.0	6827.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.9	2.1
10°-20°	373.3	5.5
20°-30°	624.7	9.2
30°-40°	1022.1	15.0
40°-50°	1643.0	24.1
50°-60°	1855.0	27.2
60°-70°	989.4	14.5
70°-80°	162.6	2.4
80°-90°	14.6	0.2
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°	6827.5	100.0
0°-180°	6827.5	100.0



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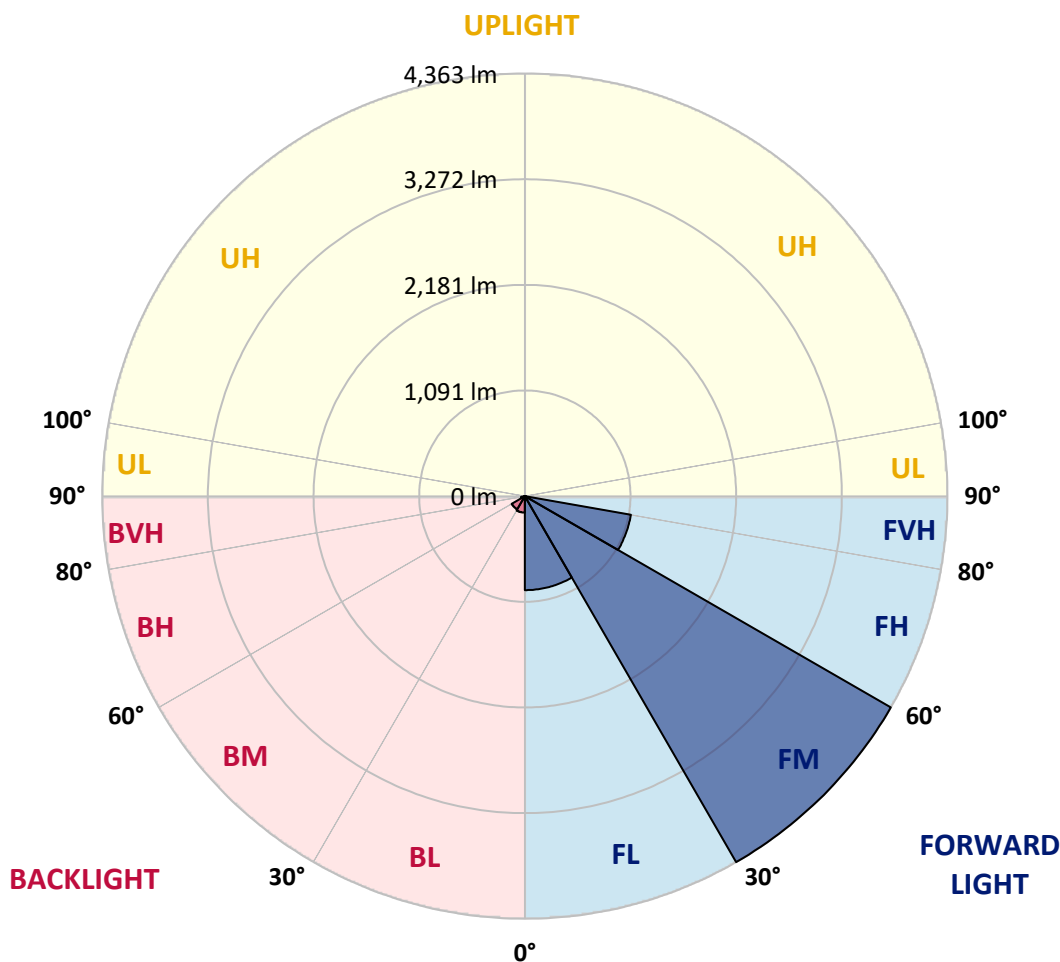
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	970.6	14.2			
FM (30°-60°)	4362.8	63.9			
FH (60°-80°)	1111.7	16.3			G1/1800
FVH (80°-90°)	13.4	0.2			G1/100
BL (0°-30°)	170.3	2.5	B1/500		
BM (30°-60°)	157.2	2.3	B0/220		
BH (60°-80°)	40.4	0.6	B0/110		G0/110
BVH (80°-90°)	1.2	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-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1597.8	1597.8	1597.8	1597.8	1597.8	1597.8	1597.8	1597.8	1597.8	1597.8	1597.8
2.5°	1916.0	1904.7	1911.2	1893.9	1862.2	1822.7	1763.5	1766.5	1719.8	1679.1	1622.9
5°	2232.5	2220.5	2216.9	2172.7	2128.4	2057.2	1969.3	1954.9	1869.4	1765.9	1648.0
7.5°	2399.4	2389.2	2397.0	2380.8	2337.2	2272.5	2161.3	2150.5	2018.3	1861.6	1688.1
10°	2322.8	2319.2	2352.1	2390.4	2425.7	2417.9	2328.8	2312.0	2163.7	1966.9	1729.4
12.5°	2117.0	2128.4	2170.3	2240.8	2349.7	2452.0	2437.7	2440.6	2312.0	2081.1	1774.8
15°	1996.2	2009.9	2033.9	2070.4	2204.4	2386.2	2478.9	2508.8	2454.4	2208.5	1828.7
17.5°	1986.0	1997.4	2001.0	2014.7	2093.1	2280.3	2462.2	2519.0	2581.2	2328.8	1889.1
20°	2064.4	2069.2	2066.2	2056.0	2084.1	2222.9	2409.5	2490.9	2685.9	2456.8	1942.3
22.5°	2212.1	2205.0	2196.0	2158.3	2156.5	2239.1	2380.8	2465.8	2748.1	2562.7	1977.6
25°	2395.2	2380.2	2367.7	2314.4	2289.3	2323.4	2406.5	2474.7	2804.3	2665.6	2002.8
27.5°	2595.0	2599.8	2568.7	2496.9	2457.4	2450.2	2486.1	2537.0	2858.8	2757.7	2016.5
30°	2808.5	2810.9	2770.2	2696.1	2660.2	2614.1	2611.7	2642.2	2917.4	2863.6	2029.7
32.5°	3052.0	3058.6	2992.2	2915.0	2852.2	2792.4	2763.1	2788.8	3022.7	3001.8	2056.6
35°	3403.7	3375.0	3285.3	3168.6	3079.5	3001.2	2956.3	2973.0	3162.7	3167.5	2110.4
37.5°	3766.2	3763.3	3664.0	3495.9	3349.9	3252.4	3175.8	3203.3	3359.5	3389.4	2196.6
40°	4104.2	4112.0	4025.9	3879.3	3691.5	3524.0	3442.0	3460.6	3620.9	3658.6	2301.3
42.5°	4325.0	4320.8	4327.4	4285.5	4097.0	3899.6	3776.4	3786.6	3924.8	3944.5	2432.3
45°	4426.7	4410.5	4466.7	4599.5	4524.8	4317.2	4176.6	4164.0	4240.0	4234.6	2551.3
47.5°	4338.7	4308.8	4438.0	4758.1	4902.8	4840.0	4639.0	4616.3	4551.7	4508.6	2675.1
50°	3901.4	3888.3	4164.6	4682.7	5140.3	5323.4	5175.6	5091.3	4829.8	4710.8	2740.3
52.5°	3485.7	3449.2	3635.8	4298.0	5034.4	5712.2	5742.7	5592.5	5060.7	4768.8	2718.2
55°	2815.7	2770.8	2974.2	3531.2	4615.1	5761.8	6141.1	6062.7	5262.9	4697.0	2673.3
57.5°	1710.2	1666.0	1965.1	2529.2	3690.9	5349.1	6043.0	6122.5	5418.5	4618.1	2644.0
60°	719.0	690.9	808.2	1207.2	2356.9	4396.1	5522.6	5721.2	5447.8	4509.8	2656.0
62.5°	373.9	361.3	367.9	483.3	952.9	2894.7	4596.5	4942.3	5152.3	4461.9	2668.0
65°	280.6	271.0	250.0	265.6	370.3	1251.4	3303.2	3766.2	4511.6	4340.5	2587.2
67.5°	230.3	221.3	206.4	201.6	218.3	434.3	1686.3	2288.1	3535.3	3823.1	2297.7
70°	183.6	180.7	175.9	166.9	163.9	210.6	604.8	932.6	2337.8	2696.1	1665.4
72.5°	153.1	153.7	148.4	140.6	129.8	135.8	241.1	318.8	1131.2	1292.7	697.5
75°	128.0	128.0	129.8	119.0	108.3	93.3	134.0	155.5	363.1	298.5	149.0
77.5°	100.5	101.7	109.5	100.5	86.7	58.6	73.0	83.1	107.7	86.1	54.4
80°	80.2	79.0	76.0	90.3	77.8	41.3	34.7	38.3	50.2	41.3	26.9
82.5°	56.2	55.6	53.2	61.0	60.4	30.5	22.7	23.3	30.5	26.3	16.7
85°	13.8	16.2	34.1	28.7	25.1	17.9	13.8	15.0	19.7	17.3	9.0
87.5°	6.0	6.0	15.6	18.5	12.0	7.8	6.0	6.6	10.2	10.2	5.4
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°	1597.8	1597.8	1597.8	1597.8	1597.8	1597.8	1597.8	1597.8	1597.8	1597.8	1597.8
2.5°	1603.2	1564.3	1515.2	1463.2	1409.9	1345.9	1305.3	1271.8	1245.4	1225.1	1217.9
5°	1609.1	1534.4	1423.1	1284.9	1144.4	1012.7	911.1	835.7	773.5	739.4	724.4
7.5°	1608.6	1509.3	1308.3	1076.8	848.2	658.6	524.0	440.9	385.2	362.5	348.7
10°	1608.0	1476.3	1177.3	845.9	567.1	381.6	281.2	234.5	214.2	206.4	205.2
12.5°	1625.3	1438.7	1030.7	622.7	355.9	237.5	195.6	184.8	180.1	177.7	177.1
15°	1634.9	1404.0	876.4	439.7	239.9	187.8	174.7	169.9	168.1	166.9	166.3
17.5°	1645.0	1350.1	729.8	318.2	192.0	170.5	162.7	159.7	158.5	158.5	158.5
20°	1646.8	1292.1	584.4	234.5	170.5	159.1	151.3	148.4	146.6	145.4	145.4
22.5°	1633.7	1223.3	459.4	190.2	157.9	148.4	140.0	135.2	132.2	131.6	131.6
25°	1600.8	1125.8	352.3	166.9	147.8	137.6	127.4	122.0	119.6	119.6	119.6
27.5°	1553.5	1011.0	272.2	148.4	134.6	124.4	115.5	110.7	110.1	109.5	110.1
30°	1499.7	900.3	208.2	131.6	119.0	110.7	103.5	101.1	102.3	102.3	102.9
32.5°	1445.8	789.6	162.7	118.4	105.3	98.1	94.5	94.5	96.3	96.3	96.3
35°	1399.8	681.3	136.4	107.7	95.7	89.7	87.9	89.7	90.9	91.5	91.5
37.5°	1374.1	588.0	120.2	98.1	87.9	83.1	82.6	84.3	86.7	88.5	89.1
40°	1364.5	516.2	110.7	90.9	80.8	77.8	77.2	79.6	83.7	86.7	87.3
42.5°	1365.1	452.8	102.3	83.7	76.0	71.8	71.8	75.4	79.6	82.6	82.6
45°	1369.3	398.4	93.9	76.6	71.8	64.6	65.2	70.0	73.0	76.0	76.0
47.5°	1372.9	354.7	84.9	68.8	62.2	58.6	59.8	63.4	67.6	72.4	72.4
50°	1351.9	323.6	76.0	60.4	54.4	53.2	55.6	58.6	64.6	69.4	70.0
52.5°	1301.7	295.5	68.2	53.8	49.1	49.7	52.6	54.4	59.2	59.8	60.4
55°	1279.5	281.2	62.2	49.1	44.9	46.7	48.5	49.1	47.9	44.9	44.9
57.5°	1274.8	271.6	56.2	44.3	41.3	43.7	43.1	39.5	35.9	32.3	31.7
60°	1279.5	258.4	51.4	38.3	37.7	38.3	36.5	29.9	25.1	22.7	21.5
62.5°	1252.0	239.3	47.3	32.9	32.9	32.3	27.5	20.3	16.2	14.4	13.8
65°	1161.1	201.6	43.1	27.5	26.9	25.7	18.5	13.8	10.8	9.0	8.4
67.5°	982.2	156.1	38.9	22.7	21.5	17.9	12.0	9.0	6.0	5.4	4.8
70°	670.0	96.9	32.9	17.9	16.2	11.4	7.2	5.4	3.6	3.0	2.4
72.5°	242.9	56.2	27.5	13.8	10.8	7.2	4.2	2.4	1.8	1.8	1.2
75°	57.4	39.5	20.9	10.2	7.2	4.2	2.4	1.8	1.2	1.2	0.6
77.5°	26.3	30.5	13.8	6.0	4.8	3.0	1.8	1.2	0.6	0.6	0.0
80°	15.0	21.5	6.6	4.2	3.6	2.4	1.2	0.6	0.6	0.0	0.0
82.5°	7.8	12.0	4.8	3.6	3.0	1.8	1.2	0.0	0.0	0.0	0.0
85°	5.4	6.0	3.6	3.0	2.4	1.8	1.2	0.0	0.0	0.0	0.0
87.5°	4.2	4.2	3.6	3.0	2.4	1.8	0.6	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)