

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: P674411

Luminaire Tested: **CCP-SA-2C-735-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674411
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-735-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ AFL distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

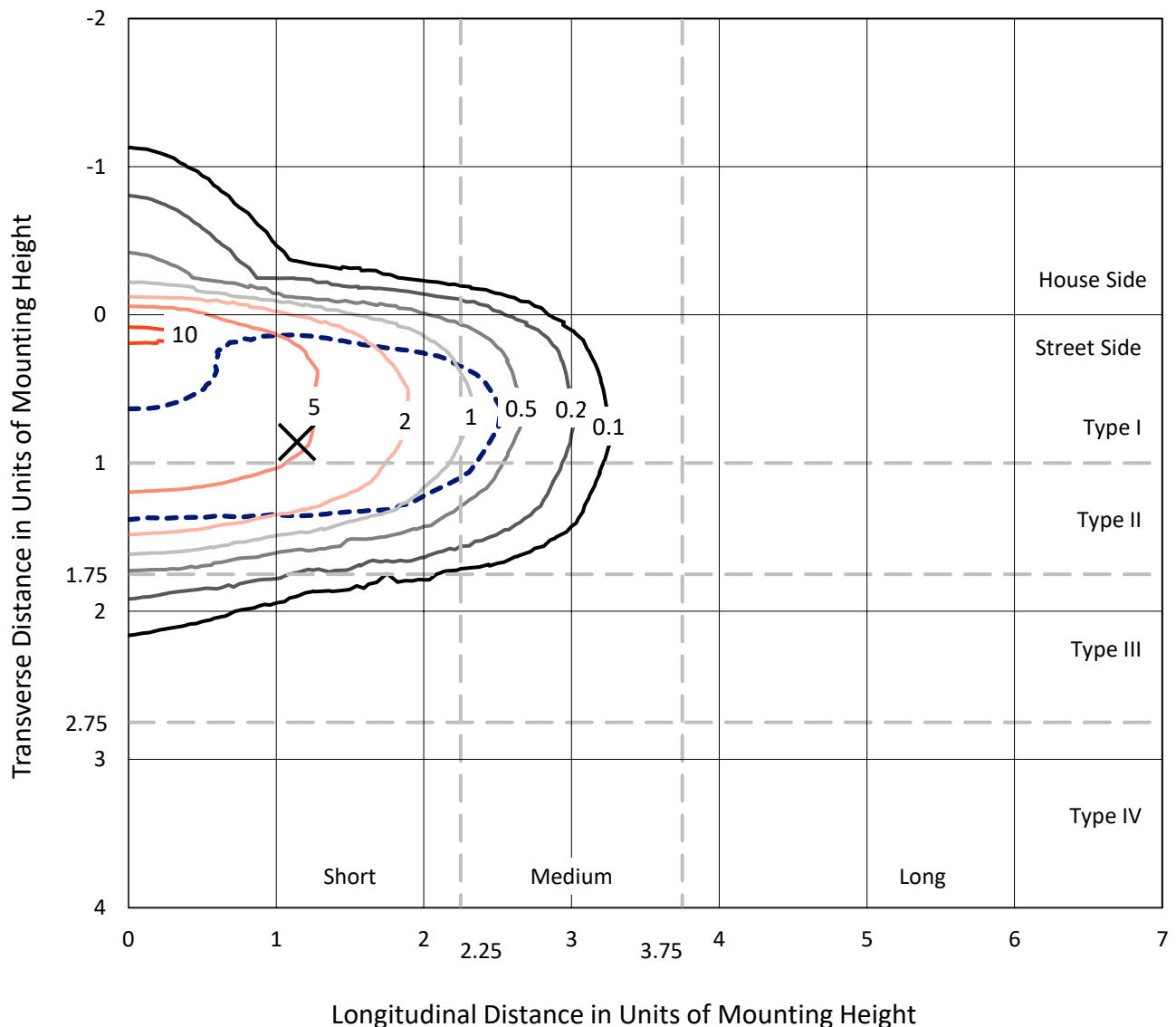
Lumens per Lamp: N/A
Luminaire Lumens: 7395 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (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

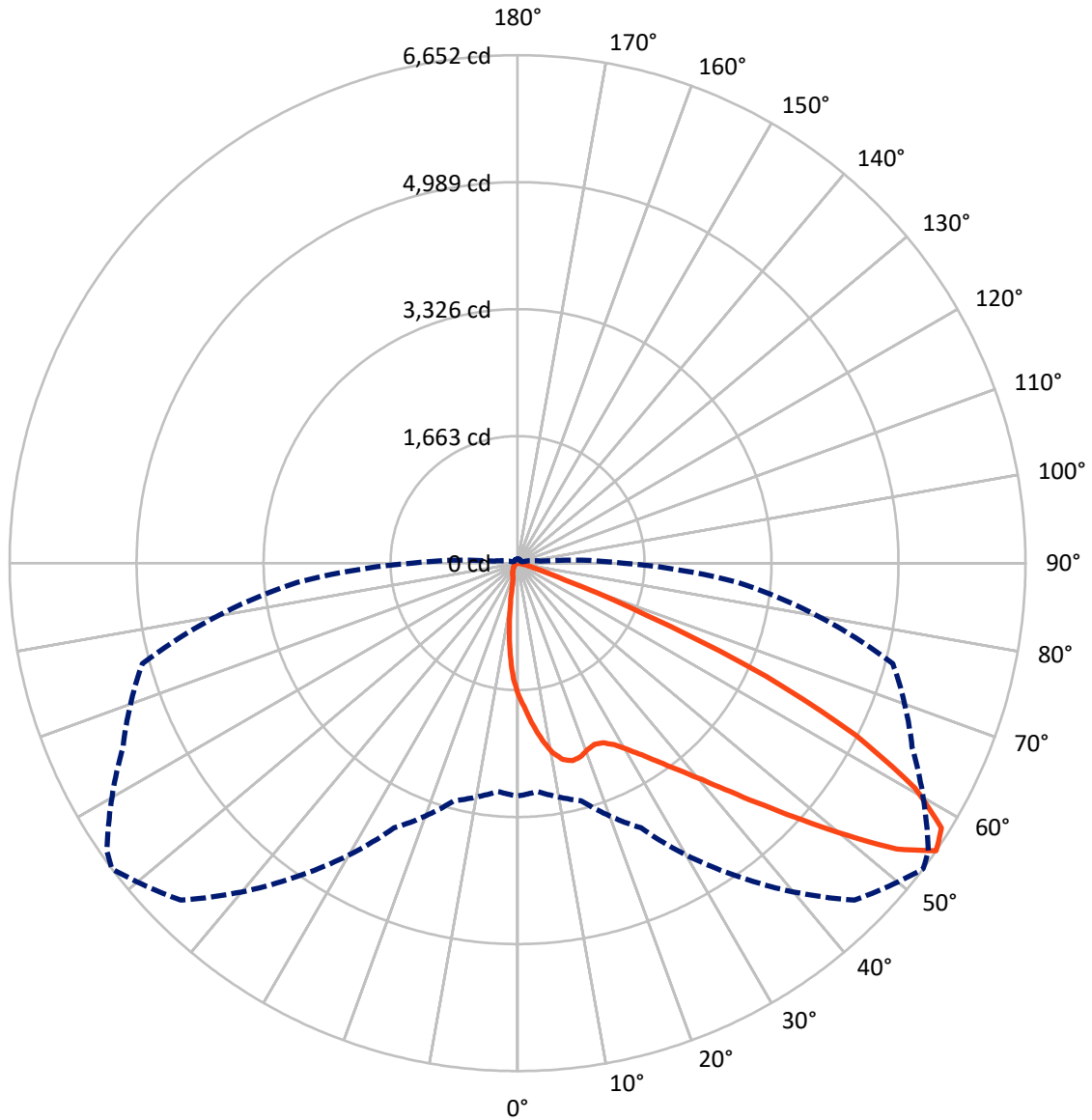
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 11.2 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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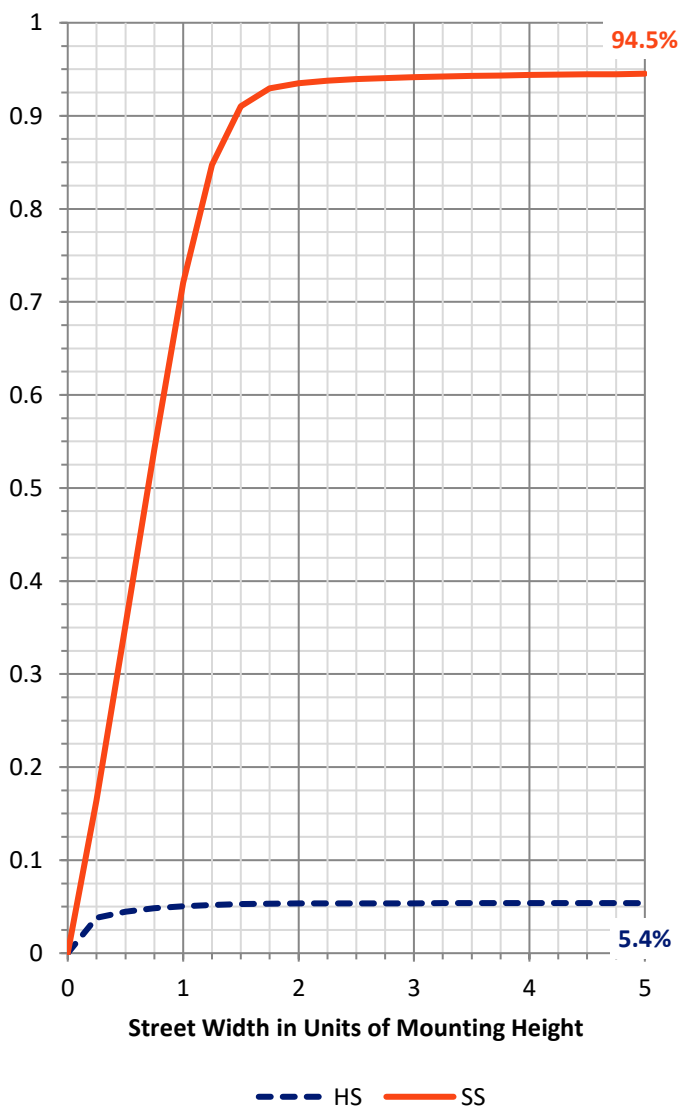
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	399.7	0.0	399.7
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	6995.3	0.0	6995.3
	% Fixture	94.6	0.0	94.6
Total	Lumens	7395.0	0.0	7395.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.7	2.1
10°-20°	404.3	5.5
20°-30°	676.7	9.2
30°-40°	1107.1	15.0
40°-50°	1779.6	24.1
50°-60°	2009.2	27.2
60°-70°	1071.7	14.5
70°-80°	176.1	2.4
80°-90°	15.8	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°	7395.0	100.0
0°-180°	7395.0	100.0



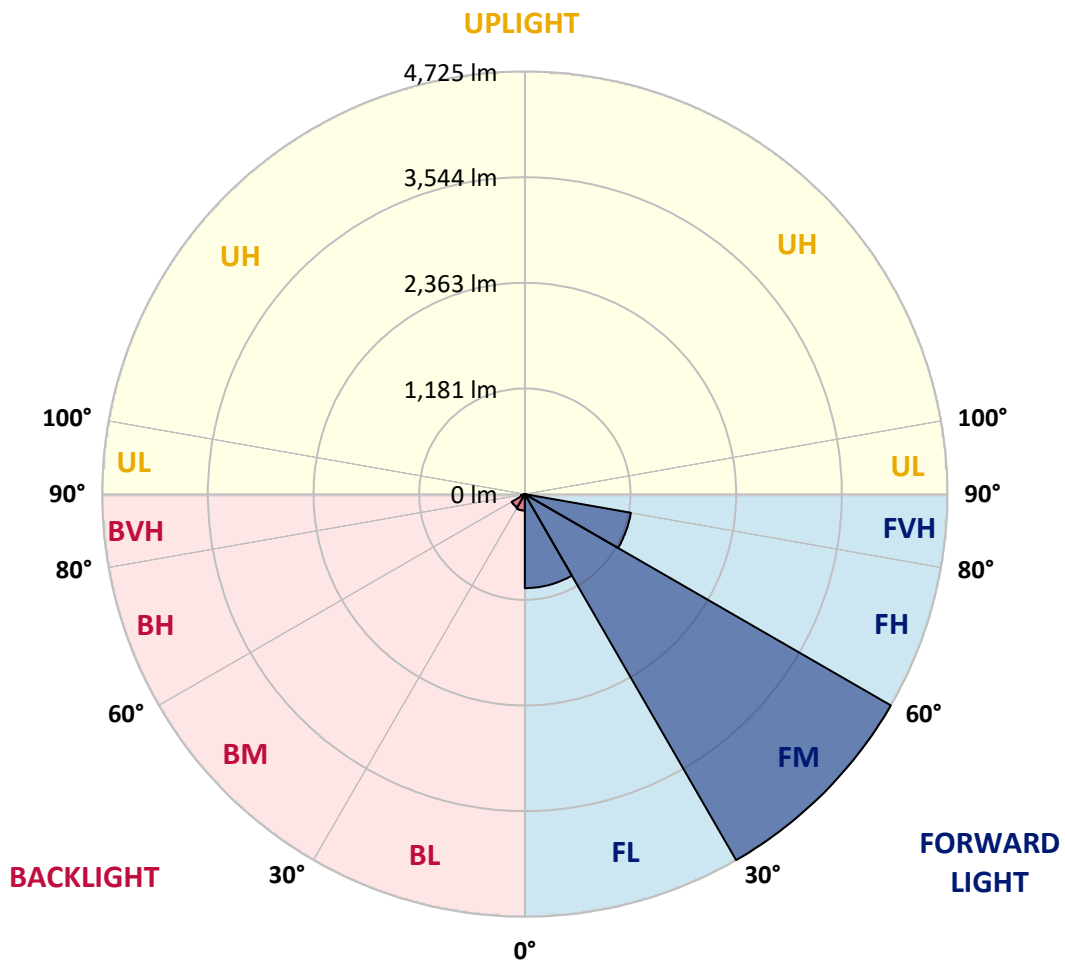
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1051.2	14.2			
FM (30°-60°)	4725.5	63.9			
FH (60°-80°)	1204.1	16.3			G1/1800
FVH (80°-90°)	14.5	0.2			G1/100
BL (0°-30°)	184.5	2.5	B1/500		
BM (30°-60°)	170.3	2.3	B0/220		
BH (60°-80°)	43.7	0.6	B0/110		G0/110
BVH (80°-90°)	1.3	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°	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6
2.5°	2075.3	2063.0	2070.1	2051.3	2017.0	1974.2	1910.1	1913.3	1862.8	1818.7	1757.8
5°	2418.1	2405.1	2401.2	2353.3	2305.3	2228.2	2133.0	2117.4	2024.8	1912.7	1785.0
7.5°	2598.8	2587.8	2596.2	2578.7	2531.4	2461.5	2341.0	2329.3	2186.1	2016.3	1828.4
10°	2515.9	2512.0	2547.6	2589.1	2627.3	2618.9	2522.4	2504.2	2343.5	2130.4	1873.2
12.5°	2293.0	2305.3	2350.7	2427.1	2545.1	2655.8	2640.3	2643.5	2504.2	2254.1	1922.4
15°	2162.1	2177.0	2202.9	2242.5	2387.6	2584.6	2685.0	2717.4	2658.4	2392.1	1980.7
17.5°	2151.1	2163.4	2167.3	2182.2	2267.1	2469.9	2666.9	2728.4	2795.8	2522.4	2046.2
20°	2236.0	2241.2	2237.9	2226.9	2257.4	2407.7	2609.8	2698.0	2909.2	2661.0	2103.8
22.5°	2396.0	2388.3	2378.5	2337.7	2335.8	2425.2	2578.7	2670.8	2976.6	2775.7	2142.0
25°	2594.3	2578.1	2564.5	2506.8	2479.6	2516.5	2606.6	2680.5	3037.5	2887.2	2169.3
27.5°	2810.7	2815.9	2782.2	2704.4	2661.7	2653.9	2692.8	2747.9	3096.4	2986.9	2184.2
30°	3042.0	3044.6	3000.5	2920.2	2881.3	2831.4	2828.8	2861.9	3159.9	3101.6	2198.4
32.5°	3305.7	3312.8	3240.9	3157.3	3089.3	3024.5	2992.8	3020.6	3274.0	3251.3	2227.6
35°	3686.7	3655.6	3558.4	3432.1	3335.5	3250.6	3202.1	3220.2	3425.6	3430.8	2285.9
37.5°	4079.3	4076.1	3968.5	3786.5	3628.4	3522.8	3439.8	3469.6	3638.8	3671.1	2379.2
40°	4445.4	4453.8	4360.5	4201.8	3998.4	3816.9	3728.2	3748.3	3921.9	3962.7	2492.6
42.5°	4684.5	4680.0	4687.1	4641.7	4437.6	4223.8	4090.4	4101.4	4251.0	4272.4	2634.5
45°	4794.7	4777.2	4838.1	4981.9	4900.9	4676.1	4523.8	4510.2	4592.5	4586.7	2763.4
47.5°	4699.4	4667.0	4807.0	5153.6	5310.4	5242.4	5024.7	5000.0	4930.1	4883.4	2897.5
50°	4225.8	4211.5	4510.9	5072.0	5567.6	5765.9	5605.9	5514.5	5231.4	5102.4	2968.1
52.5°	3775.5	3735.9	3938.1	4655.3	5452.9	6187.0	6220.1	6057.5	5481.5	5165.3	2944.2
55°	3049.8	3001.2	3221.5	3824.7	4998.7	6240.8	6651.6	6566.7	5700.5	5087.5	2895.6
57.5°	1852.4	1804.5	2128.4	2739.4	3997.7	5793.8	6545.3	6631.5	5868.9	5002.0	2863.8
60°	778.8	748.4	875.3	1307.5	2552.8	4761.6	5981.7	6196.8	5900.7	4884.7	2876.8
62.5°	405.0	391.3	398.5	523.5	1032.1	3135.3	4978.7	5353.2	5580.6	4832.9	2889.7
65°	303.9	293.5	270.8	287.7	401.1	1355.5	3577.8	4079.3	4886.7	4701.4	2802.3
67.5°	249.5	239.7	223.5	218.4	236.5	470.4	1826.5	2478.3	3829.2	4140.9	2488.7
70°	198.9	195.7	190.5	180.8	177.5	228.1	655.1	1010.1	2532.1	2920.2	1803.8
72.5°	165.9	166.5	160.7	152.3	140.6	147.1	261.1	345.3	1225.2	1400.2	755.5
75°	138.7	138.7	140.6	128.9	117.3	101.1	145.1	168.5	393.3	323.3	161.3
77.5°	108.9	110.1	118.6	108.9	93.9	63.5	79.0	90.1	116.6	93.3	59.0
80°	86.8	85.5	82.3	97.8	84.2	44.7	37.6	41.5	54.4	44.7	29.2
82.5°	60.9	60.3	57.7	66.1	65.4	33.0	24.6	25.3	33.0	28.5	18.1
85°	14.9	17.5	36.9	31.1	27.2	19.4	14.9	16.2	21.4	18.8	9.7
87.5°	6.5	6.5	16.8	20.1	13.0	8.4	6.5	7.1	11.0	11.0	5.8
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°	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6	1730.6
2.5°	1736.4	1694.3	1641.2	1584.8	1527.2	1457.8	1413.8	1377.5	1349.0	1327.0	1319.2
5°	1742.9	1661.9	1541.4	1391.7	1239.5	1096.9	986.8	905.2	837.8	800.8	784.6
7.5°	1742.3	1634.7	1417.0	1166.3	918.8	713.4	567.6	477.5	417.3	392.6	377.7
10°	1741.6	1599.1	1275.1	916.2	614.2	413.4	304.5	254.0	232.0	223.5	222.2
12.5°	1760.4	1558.3	1116.4	674.5	385.5	257.2	211.9	200.2	195.0	192.4	191.8
15°	1770.8	1520.7	949.2	476.2	259.8	203.4	189.2	184.0	182.1	180.8	180.1
17.5°	1781.8	1462.4	790.5	344.7	208.0	184.7	176.2	173.0	171.7	171.7	171.7
20°	1783.7	1399.5	633.0	254.0	184.7	172.3	163.9	160.7	158.7	157.4	157.4
22.5°	1769.5	1325.0	497.6	206.0	171.1	160.7	151.6	146.4	143.2	142.5	142.5
25°	1733.8	1219.4	381.6	180.8	160.0	149.0	138.0	132.2	129.6	129.6	129.6
27.5°	1682.7	1095.0	294.8	160.7	145.8	134.8	125.0	119.9	119.2	118.6	119.2
30°	1624.4	975.1	225.5	142.5	128.9	119.9	112.1	109.5	110.8	110.8	111.4
32.5°	1566.0	855.3	176.2	128.3	114.0	106.3	102.4	102.4	104.3	104.3	104.3
35°	1516.1	738.0	147.7	116.6	103.7	97.2	95.2	97.2	98.5	99.1	99.1
37.5°	1488.3	636.9	130.2	106.3	95.2	90.1	89.4	91.4	93.9	95.9	96.5
40°	1477.9	559.2	119.9	98.5	87.5	84.2	83.6	86.2	90.7	93.9	94.6
42.5°	1478.6	490.5	110.8	90.7	82.3	77.8	77.8	81.6	86.2	89.4	89.4
45°	1483.1	431.5	101.7	82.9	77.8	70.0	70.6	75.8	79.0	82.3	82.3
47.5°	1487.0	384.2	92.0	74.5	67.4	63.5	64.8	68.7	73.2	78.4	78.4
50°	1464.3	350.5	82.3	65.4	59.0	57.7	60.3	63.5	70.0	75.2	75.8
52.5°	1409.9	320.1	73.9	58.3	53.1	53.8	57.0	59.0	64.1	64.8	65.4
55°	1385.9	304.5	67.4	53.1	48.6	50.5	52.5	53.1	51.8	48.6	48.6
57.5°	1380.7	294.2	60.9	47.9	44.7	47.3	46.7	42.8	38.9	35.0	34.3
60°	1385.9	279.9	55.7	41.5	40.8	41.5	39.5	32.4	27.2	24.6	23.3
62.5°	1356.1	259.2	51.2	35.6	35.6	35.0	29.8	22.0	17.5	15.6	14.9
65°	1257.6	218.4	46.7	29.8	29.2	27.9	20.1	14.9	11.7	9.7	9.1
67.5°	1063.9	169.1	42.1	24.6	23.3	19.4	13.0	9.7	6.5	5.8	5.2
70°	725.7	105.0	35.6	19.4	17.5	12.3	7.8	5.8	3.9	3.2	2.6
72.5°	263.1	60.9	29.8	14.9	11.7	7.8	4.5	2.6	1.9	1.9	1.3
75°	62.2	42.8	22.7	11.0	7.8	4.5	2.6	1.9	1.3	1.3	0.6
77.5°	28.5	33.0	14.9	6.5	5.2	3.2	1.9	1.3	0.6	0.6	0.0
80°	16.2	23.3	7.1	4.5	3.9	2.6	1.3	0.6	0.6	0.0	0.0
82.5°	8.4	13.0	5.2	3.9	3.2	1.9	1.3	0.0	0.0	0.0	0.0
85°	5.8	6.5	3.9	3.2	2.6	1.9	1.3	0.0	0.0	0.0	0.0
87.5°	4.5	4.5	3.9	3.2	2.6	1.9	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)