

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: P674477

Luminaire Tested: **CCP-SA-2C-835-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674477
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-835-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, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

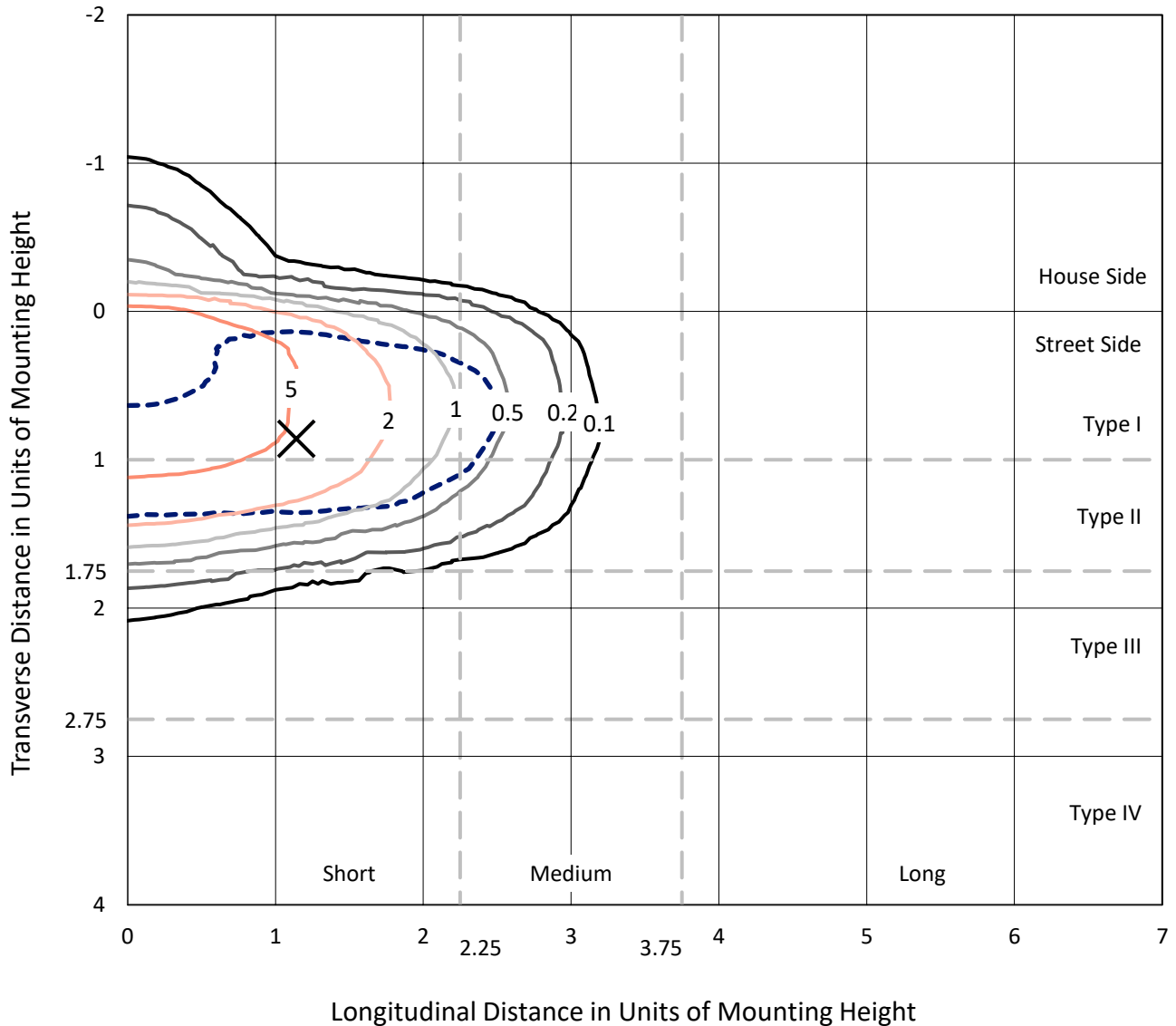
Lumens per Lamp: N/A
Luminaire Lumens: 6178.2 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

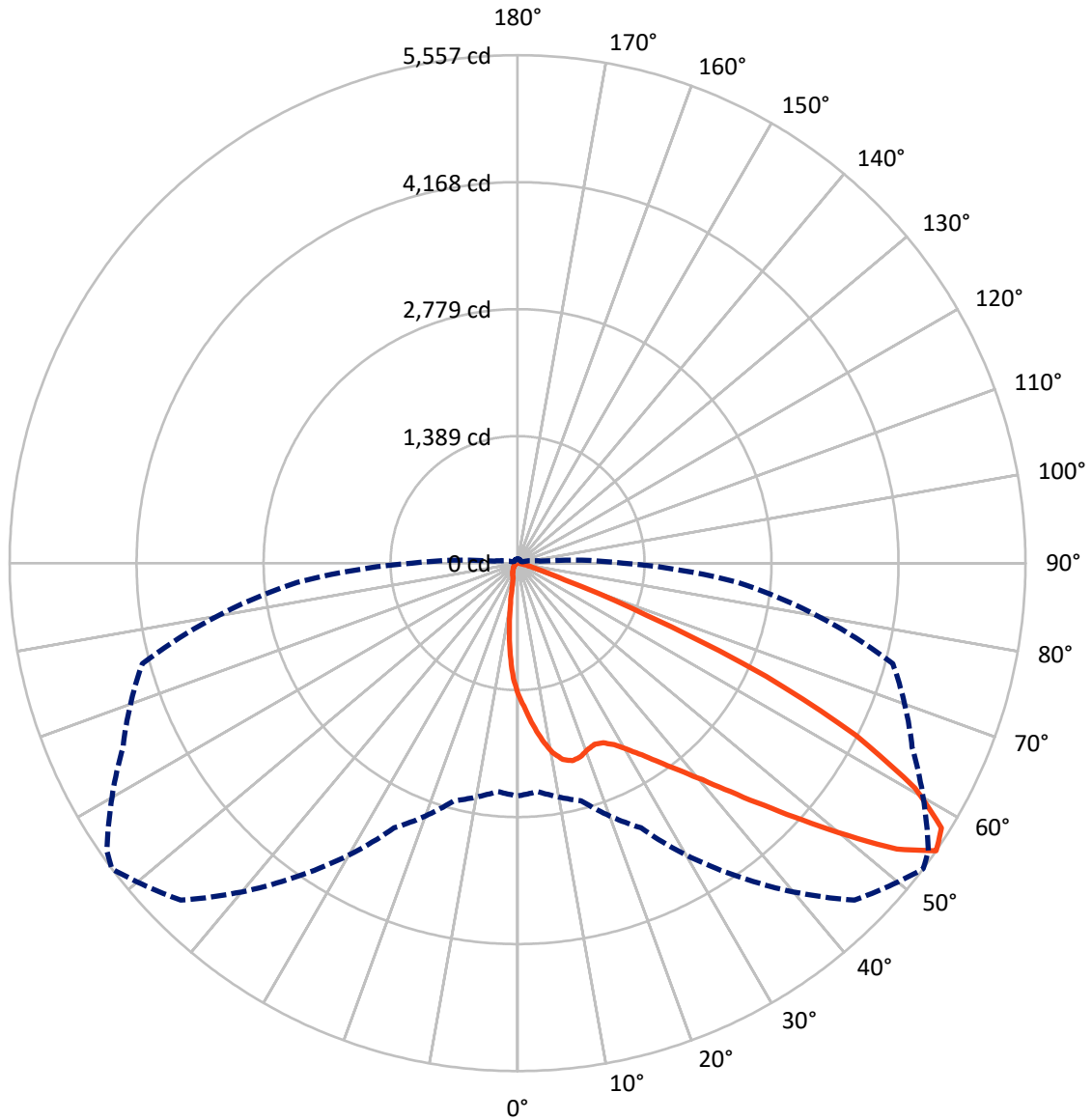
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.3 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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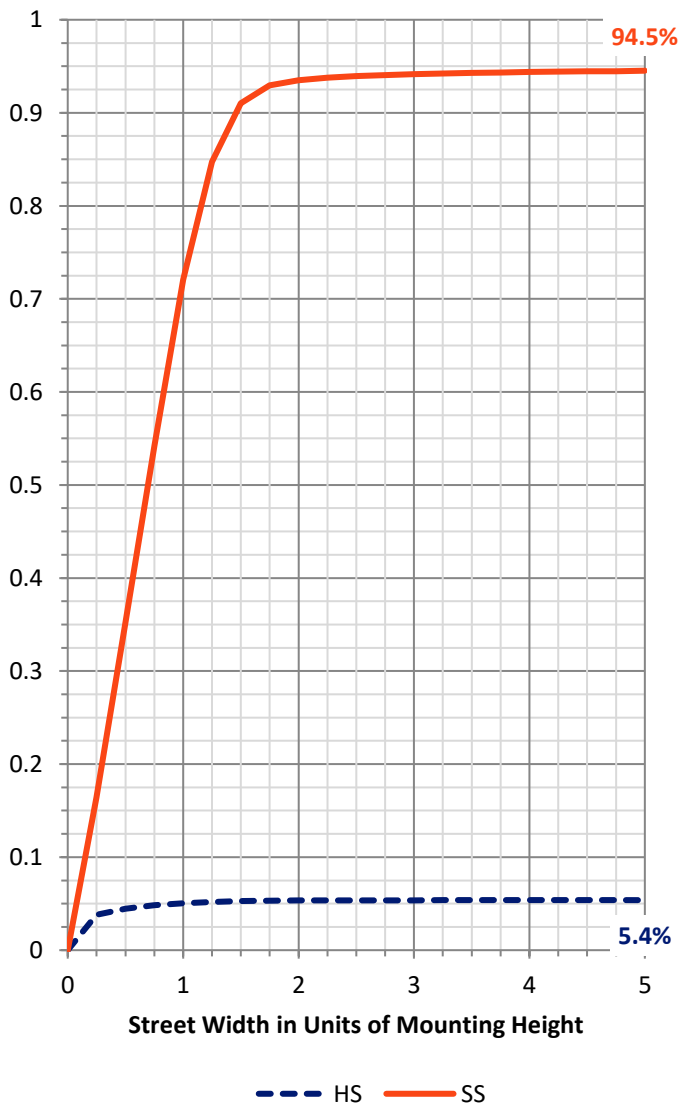
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	334.0	0.0	334.0
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	5844.2	0.0	5844.2
	% Fixture	94.6	0.0	94.6
Total	Lumens	6178.2	0.0	6178.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.3	2.1
10°-20°	337.8	5.5
20°-30°	565.3	9.2
30°-40°	924.9	15.0
40°-50°	1486.7	24.1
50°-60°	1678.5	27.2
60°-70°	895.3	14.5
70°-80°	147.1	2.4
80°-90°	13.2	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°	6178.2	100.0
0°-180°	6178.2	100.0



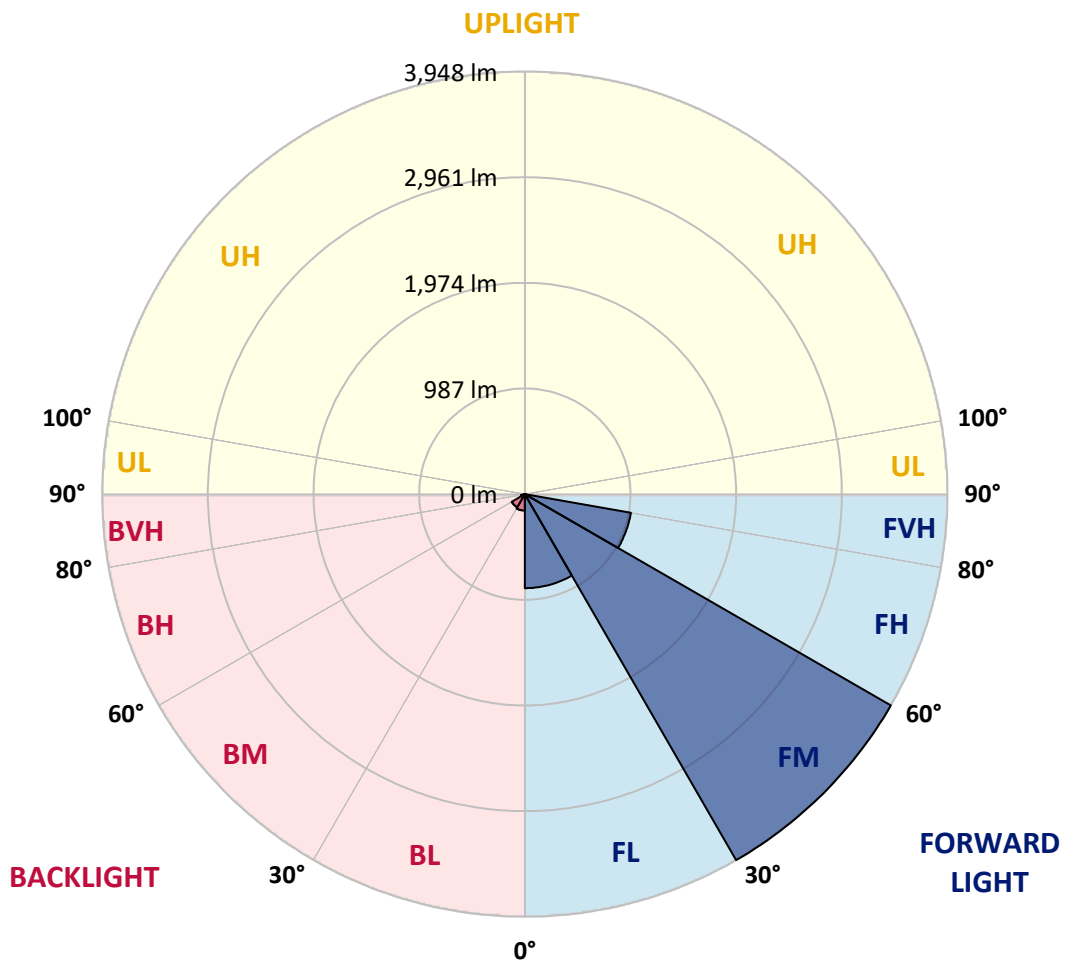
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	878.3	14.2			
FM (30°-60°)	3947.9	63.9			
FH (60°-80°)	1006.0	16.3			G1/1800
FVH (80°-90°)	12.1	0.2			G1/100
BL (0°-30°)	154.1	2.5	B1/500		
BM (30°-60°)	142.3	2.3	B0/220		
BH (60°-80°)	36.5	0.6	B0/110		G0/110
BVH (80°-90°)	1.1	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°	1445.8	1445.8	1445.8	1445.8	1445.8	1445.8	1445.8	1445.8	1445.8	1445.8	1445.8
2.5°	1733.8	1723.5	1729.5	1713.8	1685.1	1649.4	1595.8	1598.5	1556.3	1519.4	1468.6
5°	2020.2	2009.3	2006.1	1966.0	1926.0	1861.6	1782.0	1769.0	1691.6	1597.9	1491.3
7.5°	2171.2	2162.0	2169.0	2154.4	2114.9	2056.4	1955.7	1946.0	1826.4	1684.5	1527.6
10°	2101.9	2098.6	2128.4	2163.1	2195.0	2188.0	2107.3	2092.2	1957.9	1779.8	1564.9
12.5°	1915.7	1926.0	1963.9	2027.7	2126.3	2218.8	2205.8	2208.5	2092.2	1883.2	1606.1
15°	1806.3	1818.8	1840.4	1873.5	1994.7	2159.3	2243.2	2270.2	2221.0	1998.5	1654.8
17.5°	1797.1	1807.4	1810.7	1823.1	1894.0	2063.5	2228.0	2279.4	2335.7	2107.3	1709.4
20°	1868.1	1872.4	1869.7	1860.5	1885.9	2011.5	2180.4	2254.0	2430.5	2223.1	1757.6
22.5°	2001.8	1995.3	1987.1	1953.0	1951.4	2026.1	2154.4	2231.3	2486.8	2319.0	1789.6
25°	2167.4	2153.9	2142.5	2094.3	2071.6	2102.4	2177.7	2239.4	2537.6	2412.1	1812.3
27.5°	2348.2	2352.5	2324.4	2259.4	2223.7	2217.2	2249.7	2295.7	2586.9	2495.4	1824.7
30°	2541.4	2543.6	2506.8	2439.7	2407.2	2365.5	2363.3	2391.0	2640.0	2591.2	1836.7
32.5°	2761.7	2767.7	2707.6	2637.8	2581.0	2526.8	2500.3	2523.6	2735.2	2716.3	1861.0
35°	3080.0	3054.1	2972.9	2867.3	2786.6	2715.7	2675.1	2690.3	2861.9	2866.2	1909.7
37.5°	3408.1	3405.4	3315.5	3163.4	3031.3	2943.1	2873.8	2898.7	3040.0	3067.0	1987.7
40°	3713.9	3720.9	3643.0	3510.4	3340.4	3188.8	3114.7	3131.5	3276.5	3310.6	2082.4
42.5°	3913.6	3909.9	3915.8	3877.9	3707.4	3528.8	3417.3	3426.5	3551.5	3569.4	2201.0
45°	4005.7	3991.1	4041.9	4162.1	4094.4	3906.6	3779.4	3768.0	3836.8	3831.9	2308.7
47.5°	3926.1	3899.0	4016.0	4305.6	4436.6	4379.7	4197.8	4177.3	4118.8	4079.8	2420.7
50°	3530.4	3518.5	3768.6	4237.4	4651.5	4817.1	4683.4	4607.1	4370.5	4262.8	2479.7
52.5°	3154.2	3121.2	3290.1	3889.3	4555.6	5168.9	5196.5	5060.7	4579.5	4315.3	2459.7
55°	2547.9	2507.3	2691.4	3195.3	4176.2	5213.9	5557.1	5486.1	4762.4	4250.3	2419.1
57.5°	1547.6	1507.5	1778.2	2288.6	3339.9	4840.4	5468.3	5540.3	4903.2	4178.9	2392.6
60°	650.7	625.2	731.3	1092.4	2132.7	3978.1	4997.3	5177.1	4929.7	4080.9	2403.4
62.5°	338.3	326.9	332.9	437.4	862.3	2619.4	4159.4	4472.3	4662.3	4037.6	2414.2
65°	253.9	245.2	226.3	240.3	335.1	1132.4	2989.1	3408.1	4082.5	3927.7	2341.2
67.5°	208.4	200.3	186.8	182.4	197.6	393.0	1525.9	2070.5	3199.1	3459.5	2079.2
70°	166.2	163.5	159.1	151.0	148.3	190.5	547.3	843.9	2115.4	2439.7	1507.0
72.5°	138.6	139.1	134.2	127.2	117.5	122.9	218.1	288.5	1023.6	1169.8	631.2
75°	115.8	115.8	117.5	107.7	98.0	84.4	121.3	140.7	328.6	270.1	134.8
77.5°	90.9	92.0	99.1	90.9	78.5	53.0	66.0	75.2	97.4	77.9	49.3
80°	72.5	71.5	68.7	81.7	70.4	37.4	31.4	34.6	45.5	37.4	24.4
82.5°	50.9	50.3	48.2	55.2	54.7	27.6	20.6	21.1	27.6	23.8	15.2
85°	12.5	14.6	30.9	26.0	22.7	16.2	12.5	13.5	17.9	15.7	8.1
87.5°	5.4	5.4	14.1	16.8	10.8	7.0	5.4	6.0	9.2	9.2	4.9
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°	1445.8	1445.8	1445.8	1445.8	1445.8	1445.8	1445.8	1445.8	1445.8	1445.8	1445.8
2.5°	1450.7	1415.5	1371.1	1324.0	1275.9	1217.9	1181.1	1150.8	1127.0	1108.6	1102.1
5°	1456.1	1388.5	1287.8	1162.7	1035.5	916.4	824.4	756.2	699.9	669.1	655.5
7.5°	1455.6	1365.7	1183.8	974.4	767.6	596.0	474.2	398.9	348.6	328.0	315.6
10°	1455.0	1335.9	1065.3	765.4	513.2	345.4	254.4	212.2	193.8	186.8	185.7
12.5°	1470.7	1301.8	932.7	563.5	322.1	214.9	177.0	167.3	162.9	160.8	160.2
15°	1479.4	1270.4	793.0	397.9	217.1	170.0	158.1	153.7	152.1	151.0	150.5
17.5°	1488.6	1221.7	660.4	288.0	173.8	154.3	147.2	144.5	143.4	143.4	143.4
20°	1490.2	1169.2	528.9	212.2	154.3	144.0	137.0	134.2	132.6	131.5	131.5
22.5°	1478.3	1107.0	415.7	172.1	142.9	134.2	126.7	122.3	119.6	119.1	119.1
25°	1448.5	1018.7	318.8	151.0	133.7	124.5	115.3	110.4	108.3	108.3	108.3
27.5°	1405.8	914.8	246.3	134.2	121.8	112.6	104.5	100.1	99.6	99.1	99.6
30°	1357.1	814.7	188.4	119.1	107.7	100.1	93.6	91.5	92.6	92.6	93.1
32.5°	1308.3	714.5	147.2	107.2	95.3	88.8	85.5	85.5	87.2	87.2	87.2
35°	1266.7	616.5	123.4	97.4	86.6	81.2	79.6	81.2	82.3	82.8	82.8
37.5°	1243.4	532.1	108.8	88.8	79.6	75.2	74.7	76.3	78.5	80.1	80.7
40°	1234.7	467.1	100.1	82.3	73.1	70.4	69.8	72.0	75.8	78.5	79.0
42.5°	1235.3	409.8	92.6	75.8	68.7	65.0	65.0	68.2	72.0	74.7	74.7
45°	1239.1	360.5	85.0	69.3	65.0	58.5	59.0	63.3	66.0	68.7	68.7
47.5°	1242.3	321.0	76.9	62.3	56.3	53.0	54.1	57.4	61.2	65.5	65.5
50°	1223.4	292.8	68.7	54.7	49.3	48.2	50.3	53.0	58.5	62.8	63.3
52.5°	1177.9	267.4	61.7	48.7	44.4	44.9	47.6	49.3	53.6	54.1	54.7
55°	1157.9	254.4	56.3	44.4	40.6	42.2	43.8	44.4	43.3	40.6	40.6
57.5°	1153.5	245.8	50.9	40.1	37.4	39.5	39.0	35.7	32.5	29.2	28.7
60°	1157.9	233.8	46.6	34.6	34.1	34.6	33.0	27.1	22.7	20.6	19.5
62.5°	1133.0	216.5	42.8	29.8	29.8	29.2	24.9	18.4	14.6	13.0	12.5
65°	1050.7	182.4	39.0	24.9	24.4	23.3	16.8	12.5	9.7	8.1	7.6
67.5°	888.8	141.3	35.2	20.6	19.5	16.2	10.8	8.1	5.4	4.9	4.3
70°	606.3	87.7	29.8	16.2	14.6	10.3	6.5	4.9	3.2	2.7	2.2
72.5°	219.8	50.9	24.9	12.5	9.7	6.5	3.8	2.2	1.6	1.6	1.1
75°	52.0	35.7	18.9	9.2	6.5	3.8	2.2	1.6	1.1	1.1	0.5
77.5°	23.8	27.6	12.5	5.4	4.3	2.7	1.6	1.1	0.5	0.5	0.0
80°	13.5	19.5	6.0	3.8	3.2	2.2	1.1	0.5	0.5	0.0	0.0
82.5°	7.0	10.8	4.3	3.2	2.7	1.6	1.1	0.0	0.0	0.0	0.0
85°	4.9	5.4	3.2	2.7	2.2	1.6	1.1	0.0	0.0	0.0	0.0
87.5°	3.8	3.8	3.2	2.7	2.2	1.6	0.5	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)