

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: P674397

Luminaire Tested: **CCP-SA-1F-730-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674397
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-730-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

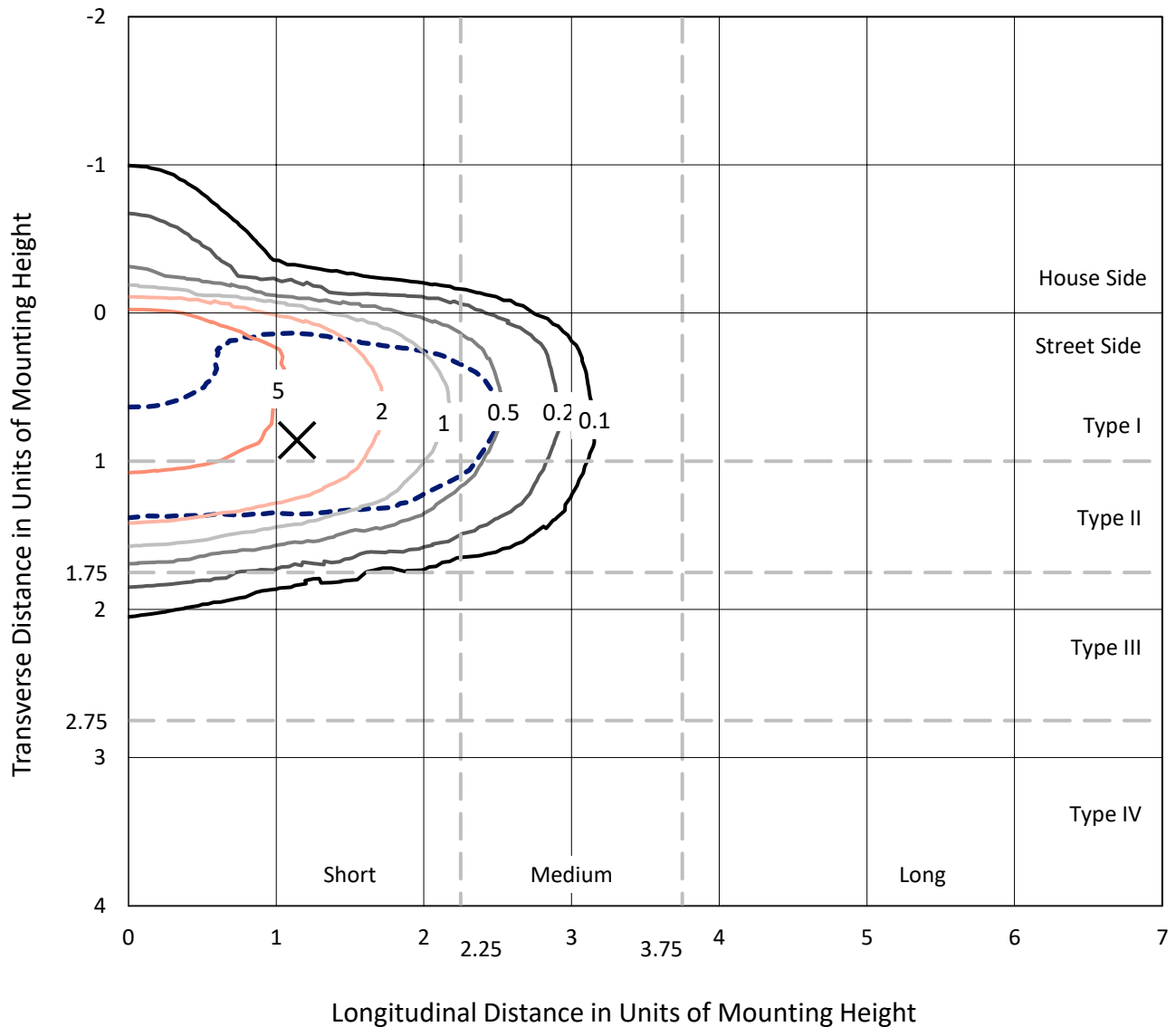
Lumens per Lamp: N/A
Luminaire Lumens: 5661.7 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 67
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

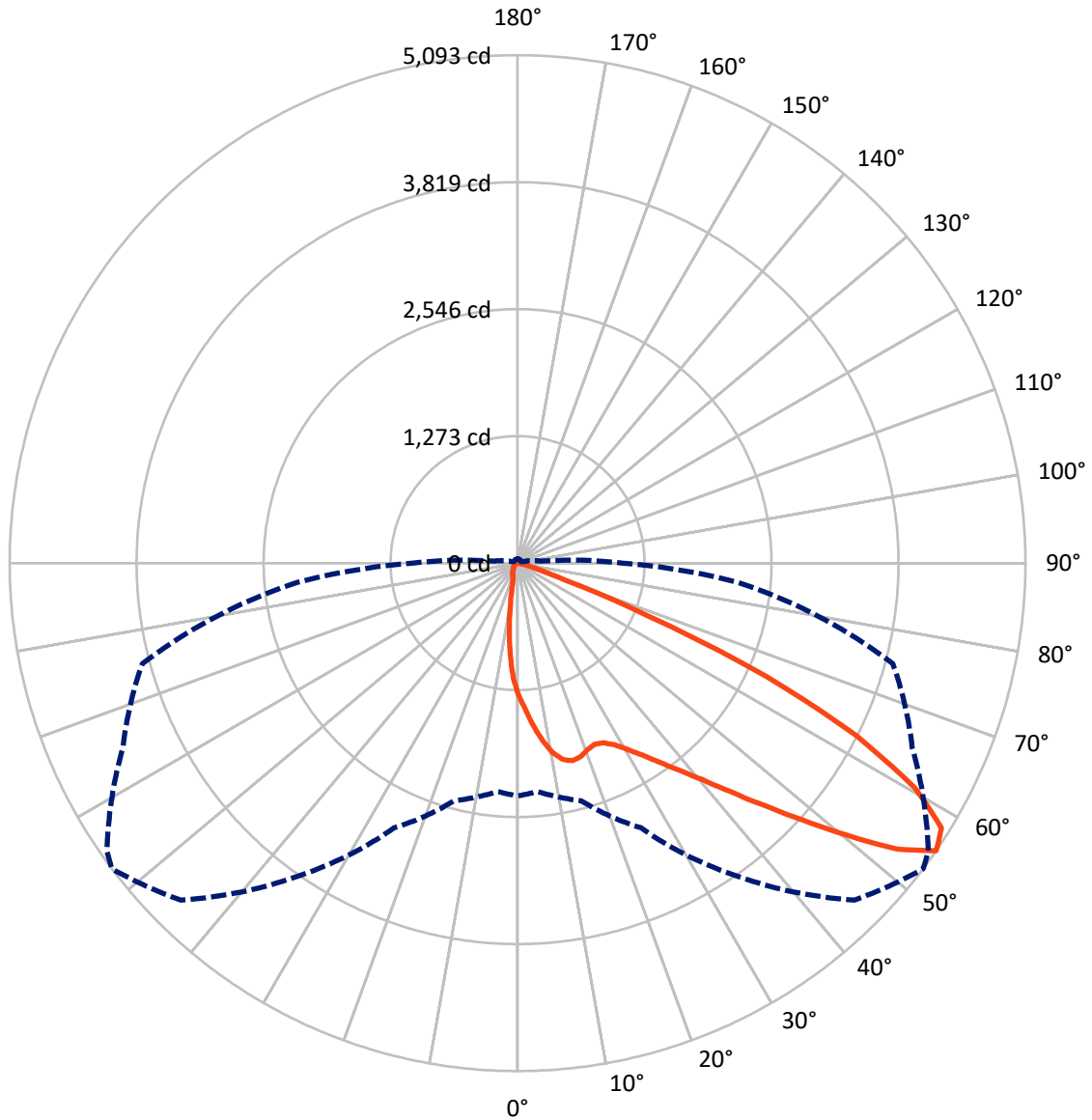
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.5 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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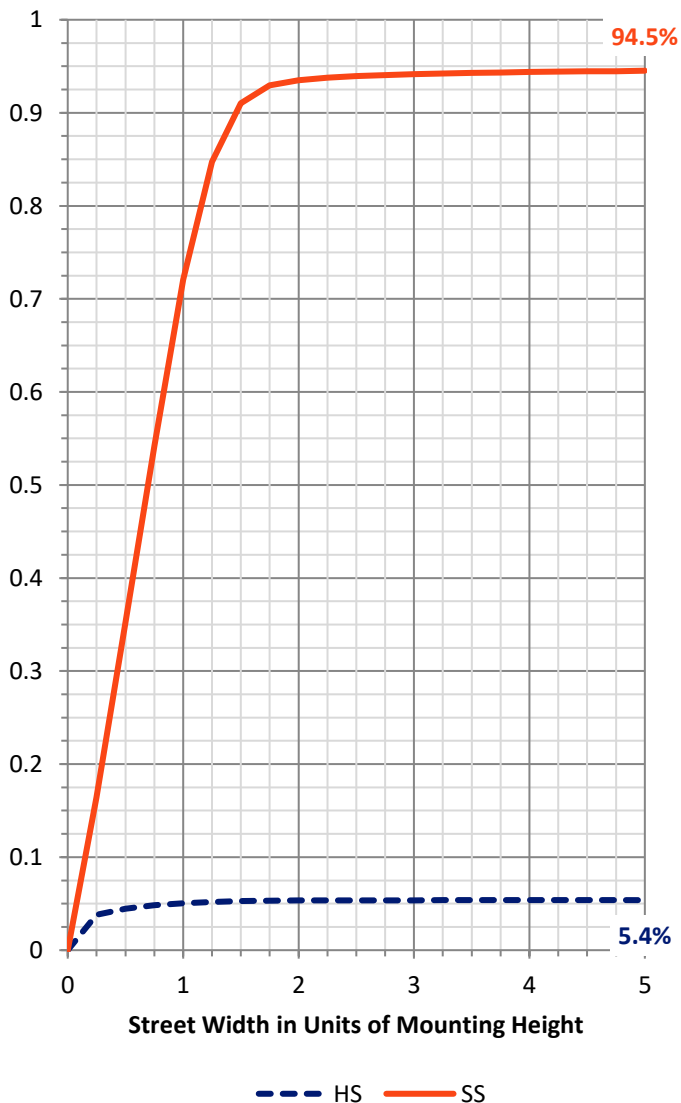
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	306.1	0.0	306.1
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	5355.6	0.0	5355.6
	% Fixture	94.6	0.0	94.6
Total	Lumens	5661.7	0.0	5661.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.5	2.1
10°-20°	309.5	5.5
20°-30°	518.1	9.2
30°-40°	847.6	15.0
40°-50°	1362.4	24.1
50°-60°	1538.2	27.2
60°-70°	820.5	14.5
70°-80°	134.8	2.4
80°-90°	12.1	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°	5661.7	100.0
0°-180°	5661.7	100.0

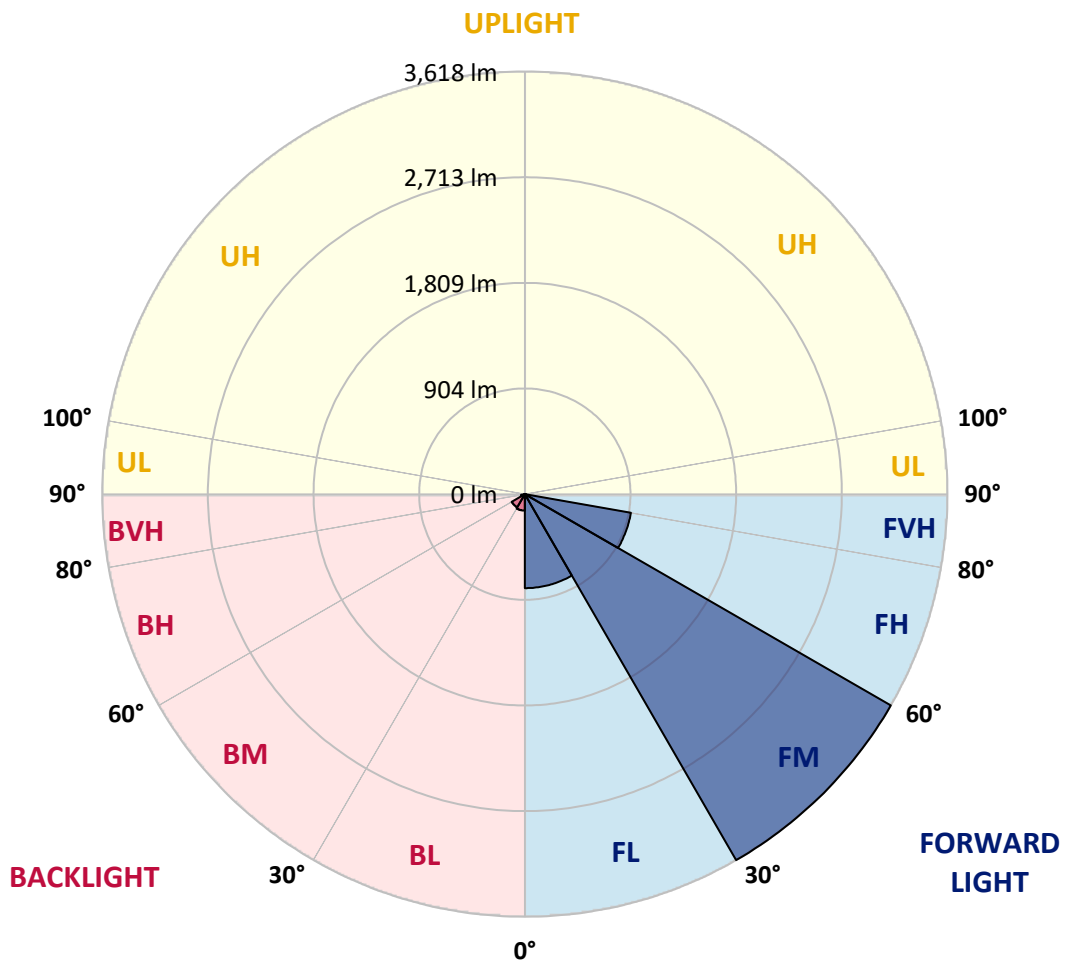


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	804.8	14.2			
FM (30°-60°)	3617.8	63.9			
FH (60°-80°)	921.9	16.3			G1/1800
FVH (80°-90°)	11.1	0.2			G1/100
BL (0°-30°)	141.2	2.5	B1/500		
BM (30°-60°)	130.4	2.3	B0/220		
BH (60°-80°)	33.5	0.6	B0/110		G0/110
BVH (80°-90°)	1.0	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°	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0
2.5°	1588.9	1579.4	1584.9	1570.5	1544.2	1511.5	1462.4	1464.8	1426.2	1392.4	1345.8
5°	1851.3	1841.4	1838.4	1801.7	1765.0	1705.9	1633.0	1621.1	1550.2	1464.4	1366.6
7.5°	1989.7	1981.2	1987.7	1974.3	1938.1	1884.5	1792.2	1783.3	1673.7	1543.7	1399.9
10°	1926.2	1923.2	1950.5	1982.2	2011.5	2005.1	1931.1	1917.2	1794.2	1631.0	1434.1
12.5°	1755.5	1765.0	1799.7	1858.2	1948.5	2033.3	2021.4	2023.9	1917.2	1725.8	1471.8
15°	1655.3	1666.7	1686.6	1716.8	1828.0	1978.8	2055.6	2080.5	2035.3	1831.4	1516.4
17.5°	1646.9	1656.3	1659.3	1670.7	1735.7	1891.0	2041.8	2088.9	2140.5	1931.1	1566.5
20°	1711.9	1715.9	1713.4	1704.9	1728.3	1843.3	1998.1	2065.6	2227.3	2037.3	1610.7
22.5°	1834.4	1828.5	1821.0	1789.8	1788.3	1856.7	1974.3	2044.7	2278.9	2125.1	1640.0
25°	1986.2	1973.8	1963.4	1919.2	1898.4	1926.7	1995.6	2052.2	2325.5	2210.4	1660.8
27.5°	2151.9	2155.9	2130.1	2070.5	2037.8	2031.8	2061.6	2103.8	2370.6	2286.8	1672.2
30°	2329.0	2331.0	2297.2	2235.7	2206.0	2167.8	2165.8	2191.1	2419.3	2374.6	1683.1
32.5°	2530.9	2536.3	2481.3	2417.3	2365.2	2315.6	2291.3	2312.6	2506.6	2489.2	1705.4
35°	2822.5	2798.7	2724.3	2627.6	2553.7	2488.7	2451.5	2465.4	2622.6	2626.6	1750.1
37.5°	3123.2	3120.7	3038.3	2898.9	2777.9	2697.0	2633.6	2656.4	2785.8	2810.6	1821.5
40°	3403.4	3409.9	3338.4	3216.9	3061.2	2922.3	2854.3	2869.7	3002.6	3033.9	1908.3
42.5°	3586.5	3583.0	3588.5	3553.7	3397.5	3233.8	3131.6	3140.0	3254.6	3271.0	2017.0
45°	3670.8	3657.4	3704.0	3814.2	3752.2	3580.0	3463.5	3453.0	3516.0	3511.6	2115.7
47.5°	3597.9	3573.1	3680.2	3945.6	4065.7	4013.6	3846.9	3828.1	3774.5	3738.8	2218.4
50°	3235.3	3224.4	3453.5	3883.1	4262.6	4414.4	4291.9	4221.9	4005.1	3906.4	2272.4
52.5°	2890.5	2860.2	3015.0	3564.1	4174.8	4736.8	4762.1	4637.6	4196.6	3954.5	2254.1
55°	2334.9	2297.7	2466.4	2928.2	3827.1	4778.0	5092.5	5027.5	4364.3	3895.0	2216.9
57.5°	1418.2	1381.5	1629.5	2097.3	3060.7	4435.7	5011.1	5077.1	4493.3	3829.5	2192.6
60°	596.3	572.9	670.2	1001.0	1954.5	3645.5	4579.6	4744.3	4517.6	3739.8	2202.5
62.5°	310.0	299.6	305.1	400.8	790.2	2400.4	3811.7	4098.4	4272.5	3700.1	2212.4
65°	232.6	224.7	207.4	220.2	307.1	1037.7	2739.2	3123.2	3741.2	3599.4	2145.4
67.5°	191.0	183.5	171.1	167.2	181.1	360.1	1398.4	1897.4	2931.7	3170.3	1905.3
70°	152.3	149.8	145.8	138.4	135.9	174.6	501.5	773.3	1938.6	2235.7	1381.0
72.5°	127.0	127.5	123.0	116.6	107.6	112.6	199.9	264.4	938.0	1072.0	578.4
75°	106.2	106.2	107.6	98.7	89.8	77.4	111.1	129.0	301.1	247.5	123.5
77.5°	83.3	84.3	90.8	83.3	71.9	48.6	60.5	69.0	89.3	71.4	45.1
80°	66.5	65.5	63.0	74.9	64.5	34.2	28.8	31.7	41.7	34.2	22.3
82.5°	46.6	46.1	44.1	50.6	50.1	25.3	18.9	19.3	25.3	21.8	13.9
85°	11.4	13.4	28.3	23.8	20.8	14.9	11.4	12.4	16.4	14.4	7.4
87.5°	5.0	5.0	12.9	15.4	9.9	6.4	5.0	5.5	8.4	8.4	4.5
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°	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0
2.5°	1329.4	1297.2	1256.5	1213.3	1169.2	1116.1	1082.4	1054.6	1032.8	1015.9	1010.0
5°	1334.4	1272.4	1180.1	1065.5	949.0	839.8	755.5	693.0	641.4	613.1	600.7
7.5°	1333.9	1251.5	1084.9	892.9	703.4	546.2	434.5	365.6	319.5	300.6	289.2
10°	1333.4	1224.3	976.2	701.4	470.3	316.5	233.1	194.5	177.6	171.1	170.1
12.5°	1347.8	1193.0	854.7	516.4	295.2	196.9	162.2	153.3	149.3	147.3	146.8
15°	1355.7	1164.2	726.7	364.6	198.9	155.8	144.8	140.9	139.4	138.4	137.9
17.5°	1364.1	1119.6	605.2	263.9	159.2	141.4	134.9	132.4	131.5	131.5	131.5
20°	1365.6	1071.5	484.6	194.5	141.4	132.0	125.5	123.0	121.5	120.5	120.5
22.5°	1354.7	1014.4	381.0	157.7	131.0	123.0	116.1	112.1	109.6	109.1	109.1
25°	1327.4	933.6	292.2	138.4	122.5	114.1	105.7	101.2	99.2	99.2	99.2
27.5°	1288.3	838.3	225.7	123.0	111.6	103.2	95.7	91.8	91.3	90.8	91.3
30°	1243.6	746.6	172.6	109.1	98.7	91.8	85.8	83.8	84.8	84.8	85.3
32.5°	1199.0	654.8	134.9	98.2	87.3	81.4	78.4	78.4	79.9	79.9	79.9
35°	1160.8	565.0	113.1	89.3	79.4	74.4	72.9	74.4	75.4	75.9	75.9
37.5°	1139.4	487.6	99.7	81.4	72.9	69.0	68.5	69.9	71.9	73.4	73.9
40°	1131.5	428.1	91.8	75.4	67.0	64.5	64.0	66.0	69.4	71.9	72.4
42.5°	1132.0	375.5	84.8	69.4	63.0	59.5	59.5	62.5	66.0	68.5	68.5
45°	1135.5	330.4	77.9	63.5	59.5	53.6	54.1	58.0	60.5	63.0	63.0
47.5°	1138.4	294.2	70.4	57.0	51.6	48.6	49.6	52.6	56.1	60.0	60.0
50°	1121.1	268.4	63.0	50.1	45.1	44.1	46.1	48.6	53.6	57.5	58.0
52.5°	1079.4	245.1	56.6	44.6	40.7	41.2	43.7	45.1	49.1	49.6	50.1
55°	1061.1	233.1	51.6	40.7	37.2	38.7	40.2	40.7	39.7	37.2	37.2
57.5°	1057.1	225.2	46.6	36.7	34.2	36.2	35.7	32.7	29.8	26.8	26.3
60°	1061.1	214.3	42.7	31.7	31.3	31.7	30.3	24.8	20.8	18.9	17.9
62.5°	1038.2	198.4	39.2	27.3	27.3	26.8	22.8	16.9	13.4	11.9	11.4
65°	962.8	167.2	35.7	22.8	22.3	21.3	15.4	11.4	8.9	7.4	6.9
67.5°	814.5	129.5	32.2	18.9	17.9	14.9	9.9	7.4	5.0	4.5	4.0
70°	555.6	80.4	27.3	14.9	13.4	9.4	6.0	4.5	3.0	2.5	2.0
72.5°	201.4	46.6	22.8	11.4	8.9	6.0	3.5	2.0	1.5	1.5	1.0
75°	47.6	32.7	17.4	8.4	6.0	3.5	2.0	1.5	1.0	1.0	0.5
77.5°	21.8	25.3	11.4	5.0	4.0	2.5	1.5	1.0	0.5	0.5	0.0
80°	12.4	17.9	5.5	3.5	3.0	2.0	1.0	0.5	0.5	0.0	0.0
82.5°	6.4	9.9	4.0	3.0	2.5	1.5	1.0	0.0	0.0	0.0	0.0
85°	4.5	5.0	3.0	2.5	2.0	1.5	1.0	0.0	0.0	0.0	0.0
87.5°	3.5	3.5	3.0	2.5	2.0	1.5	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)