

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: P672046

Luminaire Tested: **CCP-SA-1D-850-U-AFL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672046
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-850-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ AFL distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

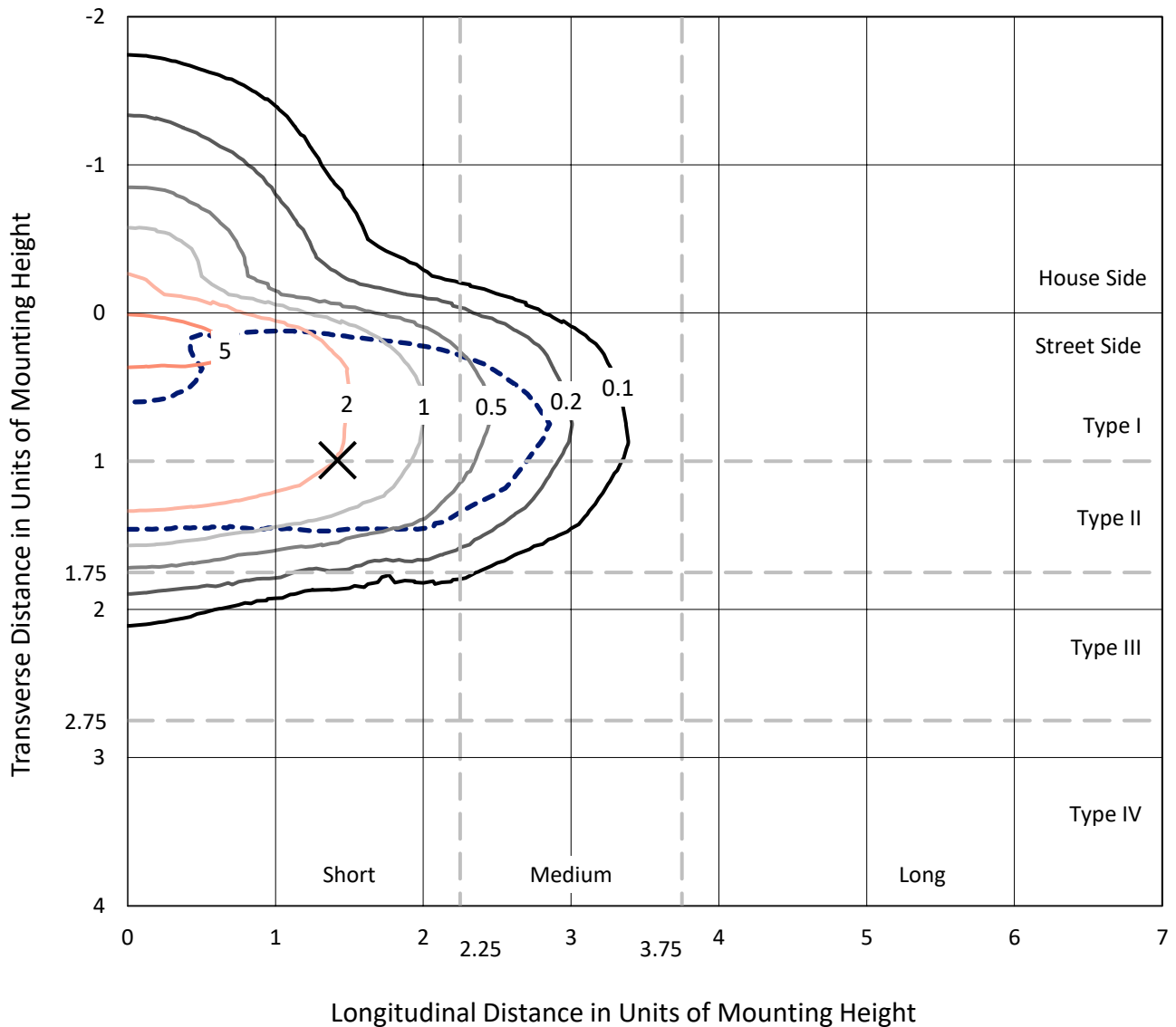
Lumens per Lamp: N/A
Luminaire Lumens: 4910.9 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 44
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

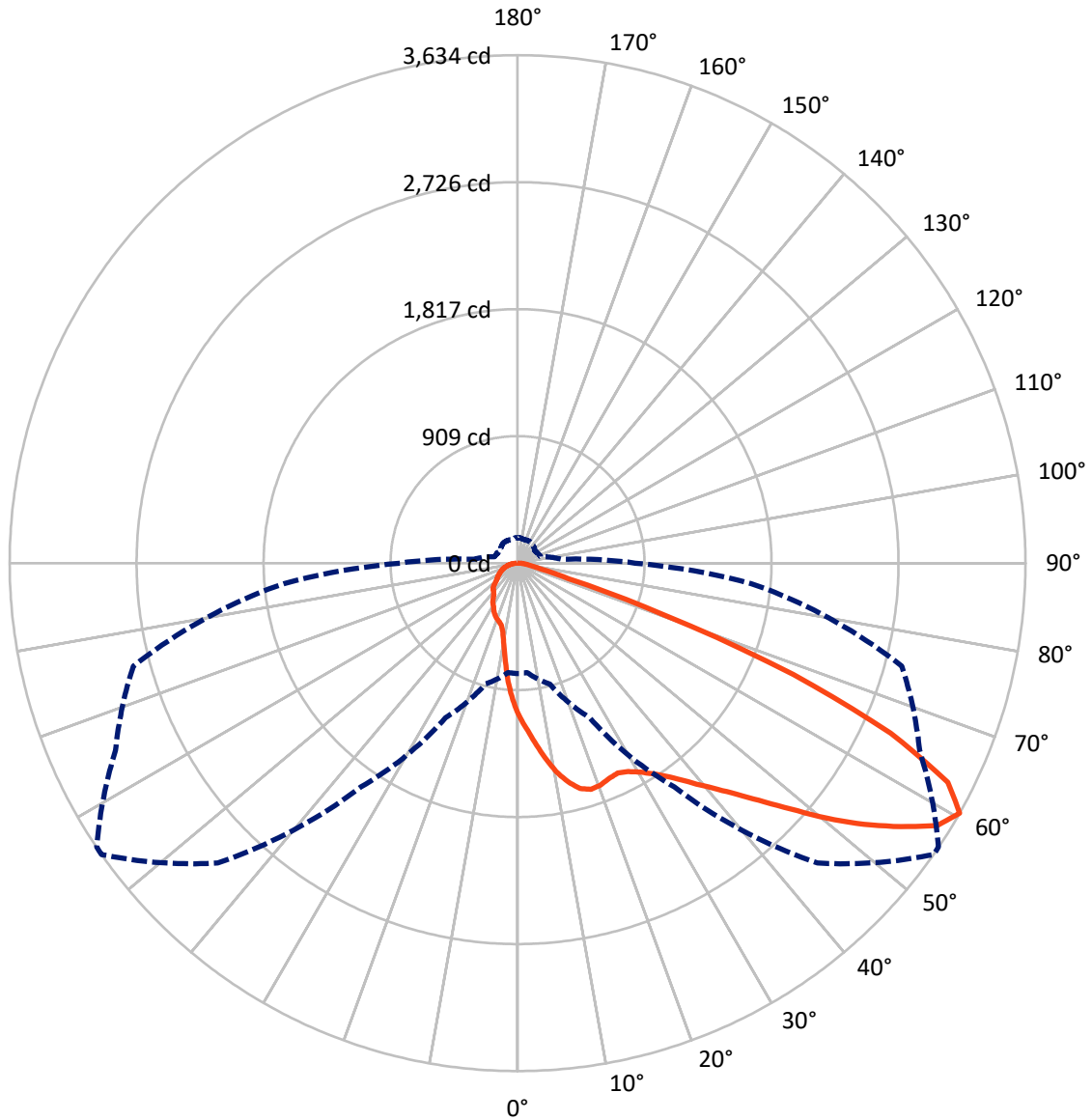
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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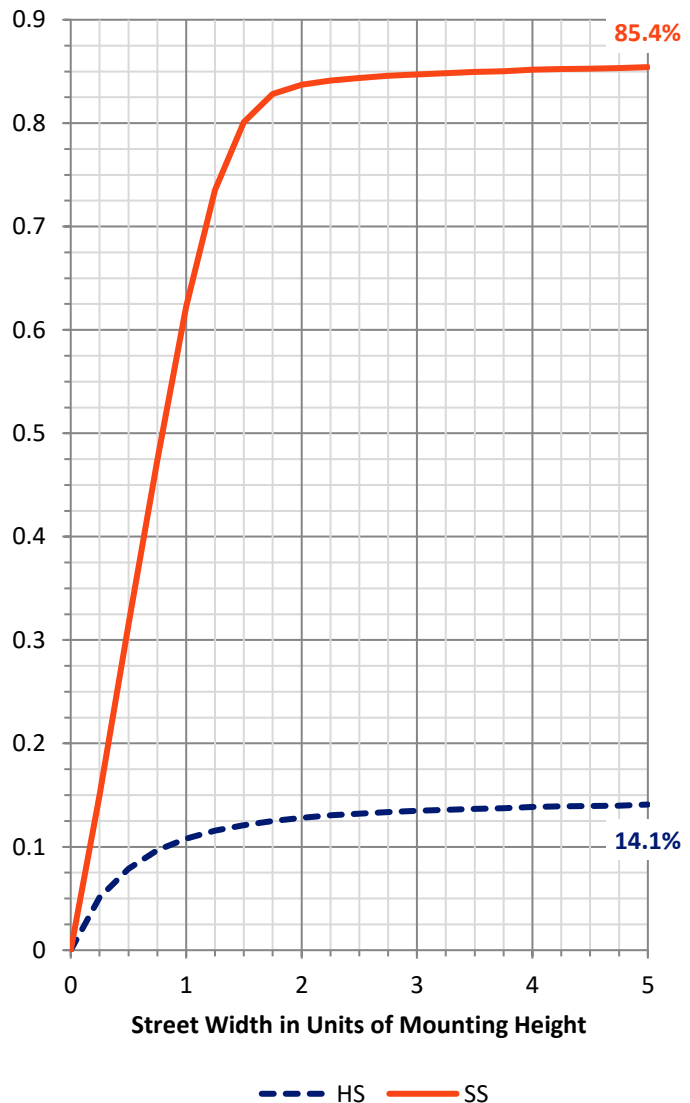
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	706.0	0.0	706.0
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	4205.0	0.0	4205.0
	% Fixture	85.6	0.0	85.6
Total	Lumens	4910.9	0.0	4910.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.9	2.1
10°-20°	288.8	5.9
20°-30°	470.2	9.6
30°-40°	702.7	14.3
40°-50°	1032.8	21.0
50°-60°	1210.5	24.6
60°-70°	798.2	16.3
70°-80°	254.2	5.2
80°-90°	51.7	1.1
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°	4910.9	100.0
0°-180°	4910.9	100.0



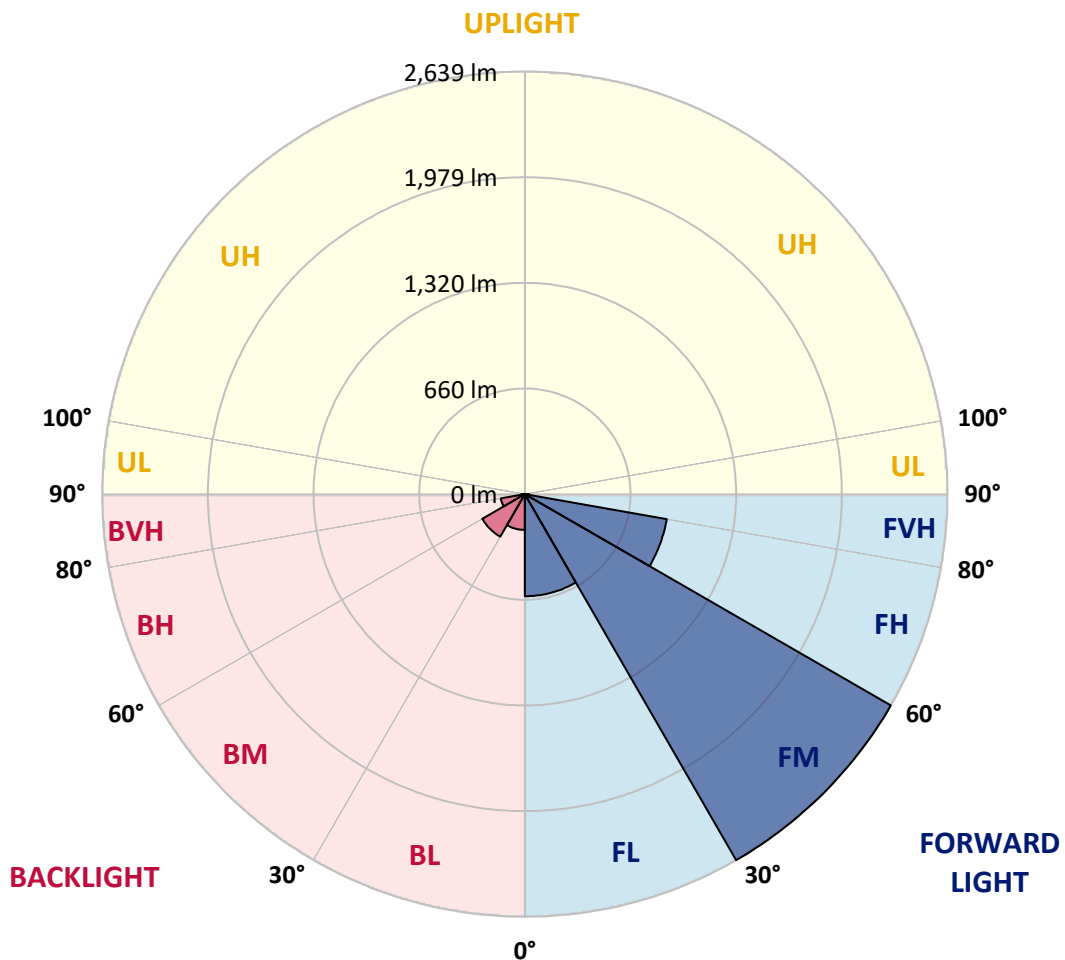
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	637.4	13.0			
FM (30°-60°)	2639.3	53.7			
FH (60°-80°)	900.0	18.3			G1/1800
FVH (80°-90°)	28.3	0.6			G1/100
BL (0°-30°)	223.5	4.6	B1/500		
BM (30°-60°)	306.8	6.2	B1/1000		
BH (60°-80°)	152.3	3.1	B1/500		G1/500
BVH (80°-90°)	23.3	0.5			G1/100
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°	55°	56°	65°	75°	85°
0°	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1
2.5°	1267.5	1262.8	1262.8	1251.1	1233.6	1209.4	1180.6	1173.5	1162.5	1134.3	1098.0
5°	1460.7	1455.7	1449.0	1428.3	1395.9	1347.5	1286.7	1275.6	1236.1	1178.1	1112.6
7.5°	1588.5	1585.7	1583.5	1565.7	1533.7	1486.0	1404.5	1392.0	1325.1	1229.0	1126.5
10°	1575.3	1583.9	1598.8	1611.3	1617.7	1593.1	1516.6	1502.0	1419.1	1288.1	1147.1
12.5°	1451.8	1463.9	1491.7	1542.6	1601.3	1648.6	1605.2	1597.0	1519.4	1350.7	1173.1
15°	1360.0	1365.0	1378.5	1416.2	1503.8	1630.1	1673.9	1666.4	1613.1	1431.2	1203.0
17.5°	1331.5	1333.7	1336.9	1349.3	1409.1	1557.9	1702.0	1709.2	1703.8	1514.8	1236.8
20°	1345.8	1347.2	1347.5	1349.7	1378.1	1497.4	1694.6	1706.7	1783.5	1598.5	1270.3
22.5°	1400.6	1398.8	1396.3	1388.1	1404.1	1486.7	1674.6	1693.9	1845.1	1674.6	1301.3
25°	1496.3	1493.8	1476.4	1459.3	1466.1	1525.1	1664.0	1684.6	1893.2	1746.5	1324.0
27.5°	1610.2	1607.7	1589.9	1557.5	1550.4	1589.2	1688.9	1701.7	1928.4	1810.2	1334.0
30°	1728.4	1728.4	1706.3	1668.9	1646.2	1662.5	1734.8	1745.1	1955.1	1871.8	1340.4
32.5°	1857.2	1860.8	1826.6	1783.9	1758.6	1749.0	1799.2	1808.1	1993.9	1944.4	1353.9
35°	2022.7	2014.9	1973.3	1917.0	1876.4	1854.7	1878.9	1889.3	2050.8	2034.8	1375.7
37.5°	2208.9	2195.0	2143.7	2076.5	2005.6	1969.3	1985.4	1987.8	2135.2	2152.6	1415.2
40°	2362.6	2360.1	2316.7	2253.0	2163.7	2114.9	2107.1	2108.5	2252.3	2292.2	1475.0
42.5°	2492.2	2482.9	2475.1	2452.7	2358.0	2277.9	2245.9	2246.2	2379.4	2436.3	1535.1
45°	2549.5	2547.7	2570.9	2628.5	2560.5	2466.2	2420.7	2427.1	2524.9	2584.4	1593.1
47.5°	2524.9	2526.4	2588.3	2739.6	2779.8	2707.5	2626.7	2622.8	2665.9	2697.9	1644.4
50°	2305.7	2328.8	2496.5	2749.9	2923.6	2959.5	2868.4	2853.8	2789.4	2788.3	1675.7
52.5°	2140.2	2139.1	2242.0	2644.9	2974.5	3187.0	3105.1	3072.4	2891.5	2839.2	1678.2
55°	1916.7	1915.2	1991.8	2337.7	2873.4	3345.7	3328.3	3287.3	2985.2	2856.0	1661.1
57.5°	1451.5	1478.5	1554.7	1871.5	2553.1	3320.4	3541.5	3507.3	3076.6	2848.5	1657.9
60°	789.8	786.6	896.9	1219.8	1954.7	3033.6	3634.4	3632.6	3173.8	2845.6	1677.5
62.5°	364.1	360.6	382.6	543.1	1120.8	2430.3	3455.0	3480.6	3263.8	2819.6	1675.7
65°	272.3	263.0	233.1	252.7	428.9	1450.8	2934.6	3002.9	3125.0	2712.9	1598.1
67.5°	242.7	233.8	199.0	186.5	215.3	511.8	2128.8	2191.8	2613.2	2512.8	1472.5
70°	222.5	214.6	179.7	160.2	161.6	226.7	1114.4	1238.3	1915.2	2097.1	1255.0
72.5°	202.9	196.1	164.4	140.9	136.0	149.8	379.8	458.1	1191.3	1528.3	935.7
75°	182.2	175.8	148.1	126.4	116.7	111.0	180.8	194.7	630.0	843.9	502.2
77.5°	158.4	154.8	132.0	111.4	103.2	84.0	120.3	126.4	269.8	331.4	239.2
80°	137.7	134.9	117.8	101.1	92.5	64.8	82.9	87.2	133.1	165.5	133.8
82.5°	89.7	96.8	97.5	86.8	81.5	52.0	54.8	58.0	88.3	97.5	58.4
85°	37.0	44.8	67.3	59.8	56.6	44.1	36.3	37.0	54.1	56.9	21.0
87.5°	16.7	18.5	33.1	33.5	29.2	16.7	18.2	19.9	27.8	27.4	9.3
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°	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1	1089.1
2.5°	1088.1	1071.7	1042.5	1005.1	978.4	958.9	937.5	921.8	904.4	889.1	891.6
5°	1085.6	1053.9	988.4	919.0	851.4	795.9	749.6	715.4	680.2	666.3	664.5
7.5°	1087.7	1034.0	926.5	812.9	710.1	639.2	585.5	553.1	532.8	521.1	521.8
10°	1087.0	1015.1	859.6	703.0	590.5	525.7	493.0	482.3	480.5	481.9	484.1
12.5°	1088.1	989.5	784.5	604.0	504.7	471.6	473.0	482.6	488.7	492.6	495.1
15°	1092.7	968.5	707.6	526.1	459.9	460.9	476.2	491.2	500.1	504.3	506.5
17.5°	1099.5	942.1	639.2	467.0	441.0	457.4	477.3	493.3	500.1	502.6	504.3
20°	1100.2	911.9	570.2	426.4	428.5	449.9	467.3	480.1	488.7	491.5	493.0
22.5°	1097.0	871.0	499.4	396.9	414.3	435.7	450.6	465.2	453.8	444.6	442.1
25°	1083.4	819.3	438.9	372.7	396.5	416.4	433.5	417.5	412.2	405.0	405.8
27.5°	1054.3	754.9	381.9	349.9	375.5	404.0	391.5	389.4	382.6	375.5	375.5
30°	1015.8	686.9	334.2	326.0	350.2	364.5	367.3	364.1	360.2	350.9	351.7
32.5°	981.3	615.0	300.4	306.1	334.2	334.2	346.7	346.7	332.4	306.5	306.5
35°	947.1	547.4	275.5	289.4	307.9	313.9	331.0	308.6	288.3	276.6	275.8
37.5°	920.4	489.8	259.1	275.1	282.2	297.6	297.9	281.5	274.8	264.1	263.0
40°	904.8	441.3	249.1	268.0	268.7	283.0	259.5	264.1	262.7	254.5	253.4
42.5°	896.2	404.0	241.7	262.0	258.4	244.5	240.3	248.1	250.6	246.3	244.5
45°	889.5	374.8	235.6	241.0	250.2	224.9	223.2	229.2	234.6	234.2	232.8
47.5°	885.9	354.5	230.3	227.8	229.6	213.2	209.6	212.5	219.3	223.5	223.2
50°	872.0	338.8	222.5	214.3	202.9	202.9	201.1	201.1	209.3	217.8	218.5
52.5°	847.5	320.3	211.1	201.5	188.3	194.0	194.7	193.3	201.8	211.1	211.8
55°	820.4	306.5	195.8	189.7	176.2	185.8	189.0	187.6	193.3	199.7	199.3
57.5°	820.8	306.1	182.6	178.0	164.8	175.5	183.3	183.7	183.3	187.9	187.9
60°	841.4	313.2	172.3	162.3	151.6	164.4	177.3	177.3	174.8	181.5	182.2
62.5°	847.5	312.5	165.9	147.4	139.9	154.5	168.4	170.5	168.7	178.3	179.4
65°	794.1	295.8	159.5	133.8	129.2	143.4	157.3	163.4	161.6	174.0	175.5
67.5°	720.0	274.1	149.5	121.7	118.2	132.8	145.9	152.3	152.0	168.4	169.1
70°	620.7	247.4	137.0	109.3	107.5	120.3	132.0	138.8	142.0	160.9	160.5
72.5°	480.9	212.1	118.2	96.1	95.7	107.5	117.8	125.3	131.3	149.5	149.5
75°	310.0	166.9	96.5	83.3	81.9	92.9	103.6	112.1	130.6	159.5	159.1
77.5°	189.4	127.4	77.6	69.4	69.0	79.0	89.7	104.3	142.7	142.0	138.1
80°	113.5	91.5	61.9	55.5	55.5	64.8	76.5	111.8	118.5	135.3	127.8
82.5°	59.1	56.2	46.3	40.9	42.7	50.9	69.8	89.3	96.8	82.2	75.5
85°	24.2	29.9	28.5	26.0	27.1	35.2	67.3	71.5	57.3	60.2	60.5
87.5°	8.2	13.2	13.2	10.3	11.4	24.9	39.9	23.8	28.8	17.1	12.8
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)