

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: P672036

Luminaire Tested: **CCP-SA-1E-840-U-AFL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672036
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-840-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ AFL distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

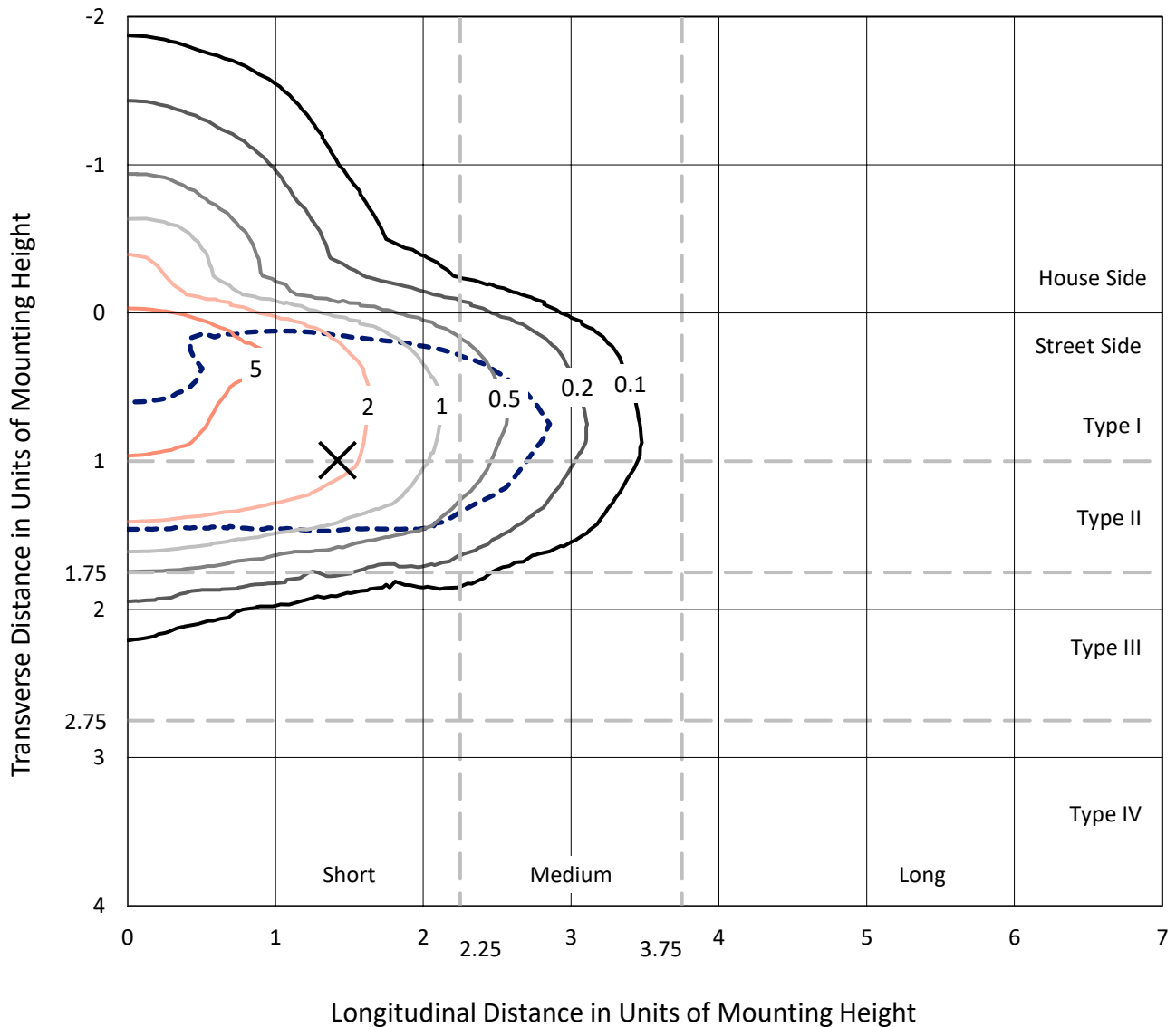
Lumens per Lamp: N/A
Luminaire Lumens: 5882.6 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (A_{in}): 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

REPORT NUMBER: P672036
 CATALOG NUMBER: CCP-SA-1E-840-U-AFL

Iso-Footcandle Lines of Horizontal Illumination

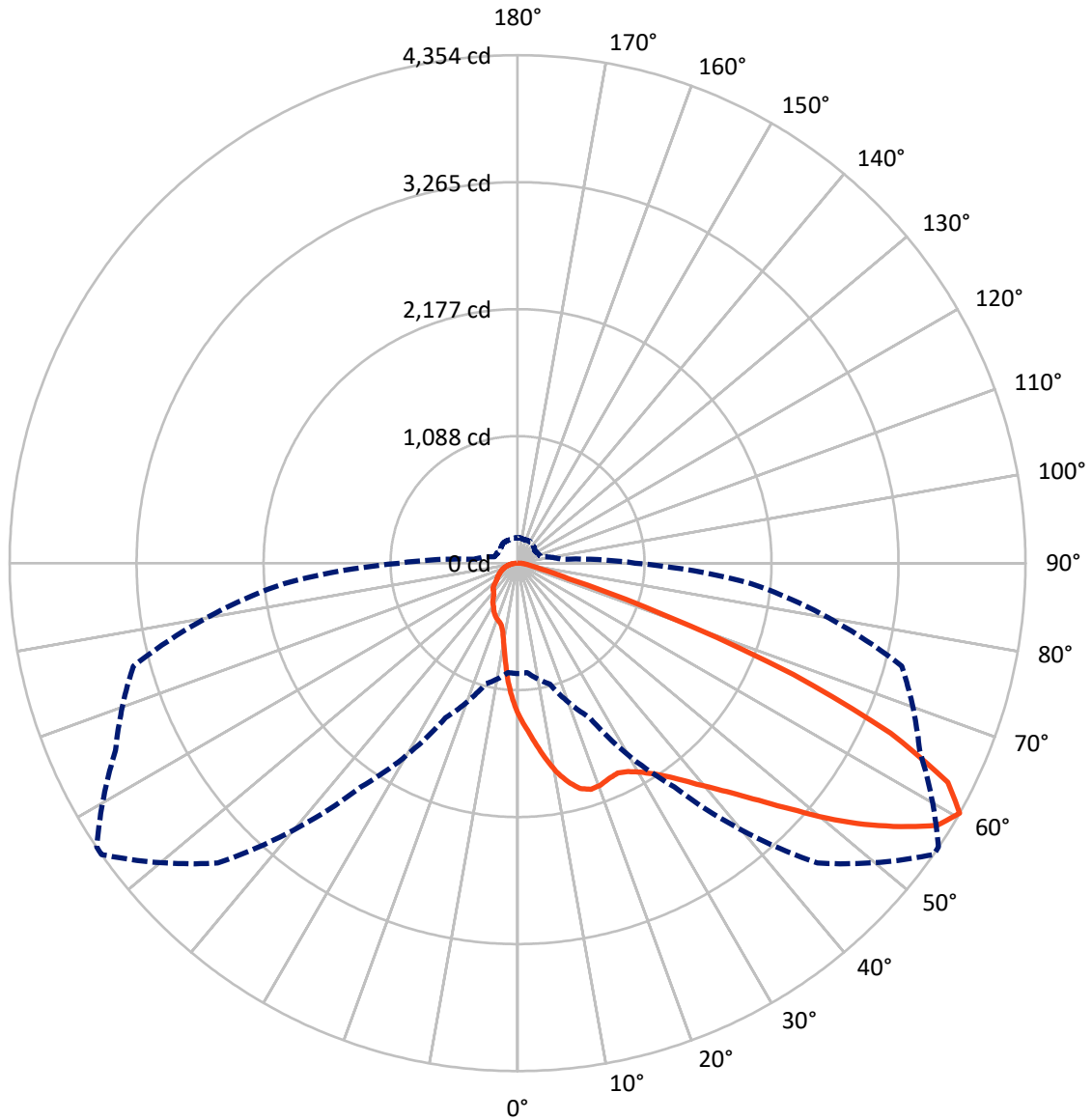
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.2 fc
 Type II - Short - N/A

REPORT NUMBER: P672036
CATALOG NUMBER: CCP-SA-1E-840-U-AFL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P672036
 CATALOG NUMBER: CCP-SA-1E-840-U-AFL

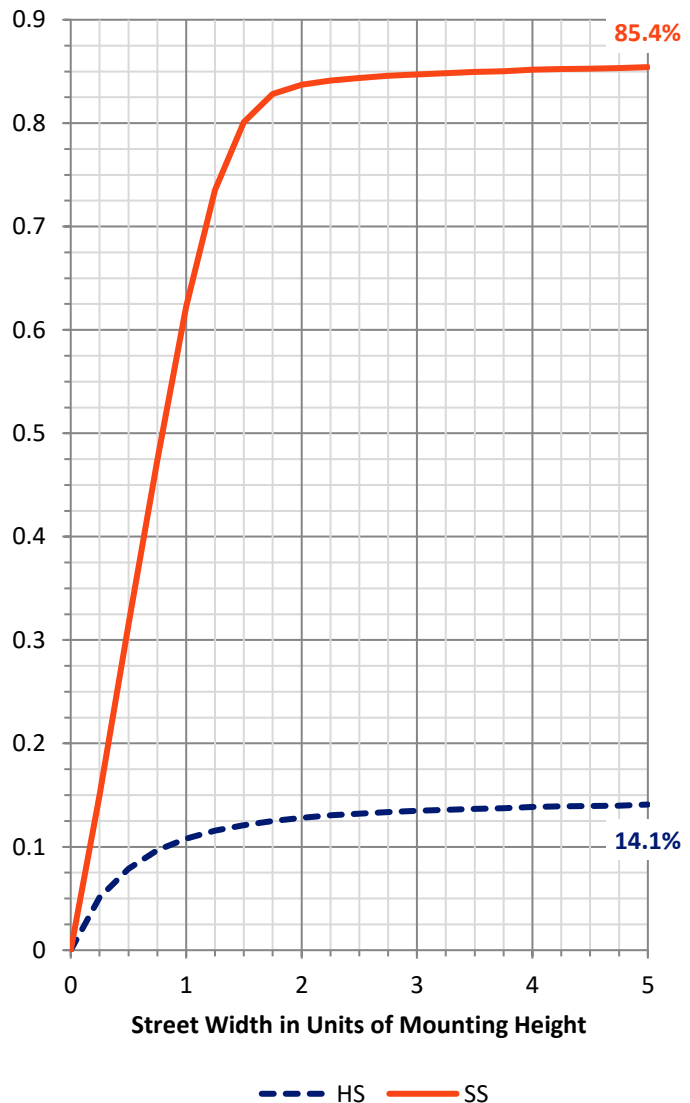
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	845.6	0.0	845.6
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	5037.0	0.0	5037.0
	% Fixture	85.6	0.0	85.6
Total	Lumens	5882.6	0.0	5882.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.1	2.1
10°-20°	345.9	5.9
20°-30°	563.2	9.6
30°-40°	841.8	14.3
40°-50°	1237.2	21.0
50°-60°	1450.0	24.6
60°-70°	956.1	16.3
70°-80°	304.4	5.2
80°-90°	61.9	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°	5882.6	100.0
0°-180°	5882.6	100.0



REPORT NUMBER: P672036

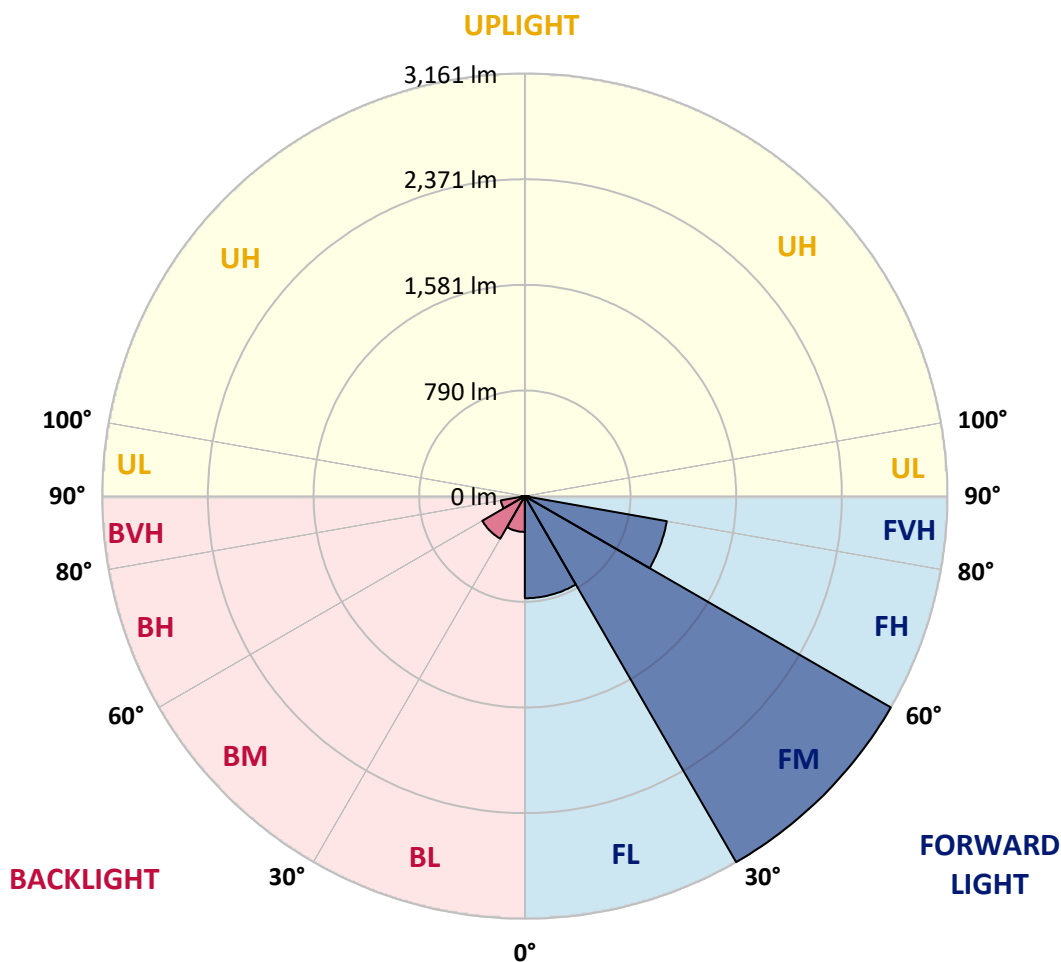
CATALOG NUMBER: CCP-SA-1E-840-U-AFL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	763.5	13.0			
FM (30°-60°)	3161.5	53.7			
FH (60°-80°)	1078.1	18.3			G1/1800
FVH (80°-90°)	34.0	0.6			G1/100
BL (0°-30°)	267.7	4.6	B1/500		
BM (30°-60°)	367.5	6.2	B1/1000		
BH (60°-80°)	182.5	3.1	B1/500		G1/500
BVH (80°-90°)	28.0	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





REPORT NUMBER: P672036

CATALOG NUMBER: CCP-SA-1E-840-U-AFL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1304.6	1304.6	1304.6	1304.6	1304.6	1304.6	1304.6	1304.6	1304.6	1304.6	1304.6
2.5°	1518.2	1512.7	1512.7	1498.6	1477.7	1448.7	1414.2	1405.7	1392.5	1358.8	1315.3
5°	1749.7	1743.8	1735.7	1710.9	1672.1	1614.2	1541.3	1528.0	1480.7	1411.2	1332.8
7.5°	1902.8	1899.4	1896.8	1875.5	1837.1	1780.0	1682.4	1667.5	1587.3	1472.2	1349.4
10°	1887.0	1897.3	1915.2	1930.1	1937.8	1908.3	1816.7	1799.2	1699.9	1543.0	1374.1
12.5°	1739.1	1753.6	1786.8	1847.8	1918.1	1974.8	1922.8	1913.0	1820.1	1618.0	1405.2
15°	1629.1	1635.0	1651.2	1696.4	1801.3	1952.7	2005.1	1996.2	1932.2	1714.3	1441.1
17.5°	1595.0	1597.5	1601.4	1616.3	1687.9	1866.1	2038.8	2047.3	2040.9	1814.5	1481.6
20°	1612.0	1613.7	1614.2	1616.7	1650.8	1793.7	2029.8	2044.3	2136.4	1914.7	1521.6
22.5°	1677.7	1675.6	1672.6	1662.8	1681.9	1780.9	2006.0	2029.0	2210.2	2006.0	1558.7
25°	1792.4	1789.4	1768.5	1748.0	1756.1	1826.9	1993.2	2017.9	2267.8	2092.1	1586.0
27.5°	1928.8	1925.8	1904.5	1865.7	1857.2	1903.6	2023.0	2038.4	2310.0	2168.4	1598.0
30°	2070.4	2070.4	2043.9	1999.2	1971.9	1991.5	2078.0	2090.4	2341.9	2242.2	1605.6
32.5°	2224.7	2229.0	2188.0	2136.9	2106.6	2095.1	2155.2	2165.9	2388.4	2329.1	1621.8
35°	2422.9	2413.6	2363.7	2296.3	2247.7	2221.7	2250.7	2263.1	2456.6	2437.4	1647.8
37.5°	2645.9	2629.3	2567.9	2487.3	2402.5	2359.0	2378.2	2381.2	2557.7	2578.6	1695.2
40°	2830.1	2827.1	2775.1	2698.8	2591.8	2533.4	2524.0	2525.7	2697.9	2745.7	1766.8
42.5°	2985.3	2974.2	2964.8	2938.0	2824.6	2728.6	2690.3	2690.7	2850.1	2918.4	1838.8
45°	3053.9	3051.8	3079.5	3148.6	3067.2	2954.2	2899.6	2907.3	3024.5	3095.7	1908.3
47.5°	3024.5	3026.2	3100.4	3281.6	3329.8	3243.2	3146.5	3141.8	3193.4	3231.7	1969.7
50°	2761.9	2789.6	2990.4	3294.0	3502.0	3545.1	3435.9	3418.5	3341.3	3340.0	2007.3
52.5°	2563.6	2562.4	2685.6	3168.2	3563.0	3817.5	3719.5	3680.2	3463.7	3401.0	2010.2
55°	2295.9	2294.2	2385.8	2800.3	3441.9	4007.7	3986.8	3937.8	3575.8	3421.0	1989.8
57.5°	1738.7	1771.1	1862.3	2241.7	3058.2	3977.4	4242.2	4201.2	3685.4	3412.1	1985.9
60°	946.1	942.2	1074.4	1461.1	2341.5	3633.8	4353.5	4351.3	3801.8	3408.7	2009.4
62.5°	436.2	431.9	458.3	650.6	1342.6	2911.1	4138.6	4169.3	3909.6	3377.5	2007.3
65°	326.2	315.1	279.3	302.7	513.8	1737.8	3515.2	3597.1	3743.3	3249.6	1914.3
67.5°	290.8	280.1	238.3	223.4	257.9	613.1	2550.0	2625.5	3130.3	3010.0	1763.8
70°	266.5	257.1	215.3	191.9	193.6	271.6	1334.9	1483.3	2294.2	2512.0	1503.3
72.5°	243.0	234.9	197.0	168.8	162.9	179.5	454.9	548.7	1427.0	1830.7	1120.9
75°	218.3	210.6	177.4	151.4	139.8	133.0	216.6	233.2	754.6	1010.9	601.6
77.5°	189.7	185.5	158.2	133.4	123.6	100.6	144.1	151.4	323.2	396.9	286.5
80°	165.0	161.6	141.1	121.1	110.9	77.6	99.3	104.5	159.5	198.3	160.3
82.5°	107.4	116.0	116.8	104.0	97.6	62.2	65.7	69.5	105.7	116.8	69.9
85°	44.3	53.7	80.6	71.6	67.8	52.9	43.5	44.3	64.8	68.2	25.2
87.5°	20.0	22.2	39.7	40.1	35.0	20.0	21.7	23.9	33.3	32.8	11.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P672036
 CATALOG NUMBER: CCP-SA-1E-840-U-AFL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1304.6	1304.6	1304.6	1304.6	1304.6	1304.6	1304.6	1304.6	1304.6	1304.6	1304.6
2.5°	1303.3	1283.7	1248.8	1204.0	1172.0	1148.6	1123.0	1104.2	1083.4	1065.0	1068.0
5°	1300.4	1262.4	1184.0	1100.8	1019.8	953.3	897.9	857.0	814.8	798.1	796.0
7.5°	1302.9	1238.5	1109.8	973.8	850.6	765.7	701.3	662.5	638.2	624.2	625.0
10°	1302.1	1215.9	1029.6	842.0	707.3	629.7	590.5	577.7	575.6	577.3	579.8
12.5°	1303.3	1185.3	939.7	723.5	604.6	564.9	566.6	578.1	585.4	590.1	593.1
15°	1308.9	1160.1	847.6	630.1	550.8	552.1	570.5	588.4	599.0	604.1	606.7
17.5°	1317.0	1128.5	765.7	559.4	528.2	547.9	571.7	590.9	599.0	602.0	604.1
20°	1317.8	1092.3	683.0	510.8	513.3	538.9	559.8	575.1	585.4	588.8	590.5
22.5°	1314.0	1043.3	598.2	475.4	496.3	521.9	539.8	557.2	543.6	532.5	529.5
25°	1297.8	981.5	525.7	446.4	475.0	498.8	519.3	500.1	493.7	485.2	486.0
27.5°	1262.8	904.3	457.5	419.1	449.8	483.9	469.0	466.4	458.3	449.8	449.8
30°	1216.8	822.9	400.3	390.5	419.5	436.6	440.0	436.2	431.5	420.4	421.2
32.5°	1175.4	736.7	359.8	366.7	400.3	400.3	415.3	415.3	398.2	367.1	367.1
35°	1134.5	655.7	330.0	346.6	368.8	376.0	396.5	369.6	345.3	331.3	330.4
37.5°	1102.5	586.7	310.4	329.6	338.1	356.4	356.9	337.2	329.1	316.4	315.1
40°	1083.8	528.7	298.4	321.0	321.9	338.9	310.8	316.4	314.6	304.8	303.6
42.5°	1073.5	483.9	289.5	313.8	309.5	292.9	287.8	297.2	300.1	295.0	292.9
45°	1065.4	448.9	282.2	288.6	299.7	269.5	267.3	274.6	281.0	280.5	278.8
47.5°	1061.2	424.6	275.8	272.9	275.0	255.4	251.1	254.5	262.6	267.7	267.3
50°	1044.6	405.9	266.5	256.7	243.0	243.0	240.9	240.9	250.7	260.9	261.8
52.5°	1015.1	383.7	252.8	241.3	225.5	232.4	233.2	231.5	241.7	252.8	253.7
55°	982.7	367.1	234.5	227.2	211.0	222.6	226.4	224.7	231.5	239.2	238.8
57.5°	983.2	366.7	218.7	213.2	197.4	210.2	219.6	220.0	219.6	225.1	225.1
60°	1007.9	375.2	206.4	194.4	181.6	197.0	212.3	212.3	209.3	217.4	218.3
62.5°	1015.1	374.3	198.7	176.5	167.6	185.0	201.7	204.2	202.1	213.6	214.9
65°	951.2	354.3	191.0	160.3	154.8	171.8	188.4	195.7	193.6	208.5	210.2
67.5°	862.5	328.3	179.1	145.8	141.5	159.0	174.8	182.5	182.1	201.7	202.5
70°	743.6	296.3	164.1	130.9	128.8	144.1	158.2	166.3	170.1	192.7	192.3
72.5°	576.0	254.1	141.5	115.1	114.7	128.8	141.1	150.1	157.3	179.1	179.1
75°	371.4	200.0	115.5	99.8	98.1	111.3	124.1	134.3	156.5	191.0	190.6
77.5°	226.8	152.6	92.9	83.1	82.7	94.6	107.4	124.9	171.0	170.1	165.4
80°	136.0	109.6	74.2	66.5	66.5	77.6	91.7	133.9	142.0	162.0	153.1
82.5°	70.8	67.4	55.4	49.0	51.2	61.0	83.6	107.0	116.0	98.5	90.4
85°	29.0	35.8	34.1	31.1	32.4	42.2	80.6	85.7	68.6	72.1	72.5
87.5°	9.8	15.8	15.8	12.4	13.6	29.8	47.8	28.6	34.5	20.5	15.3
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)