

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: P672007

Luminaire Tested: **CCP-SA-2C-827-U-AFL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672007
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-827-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ AFL distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

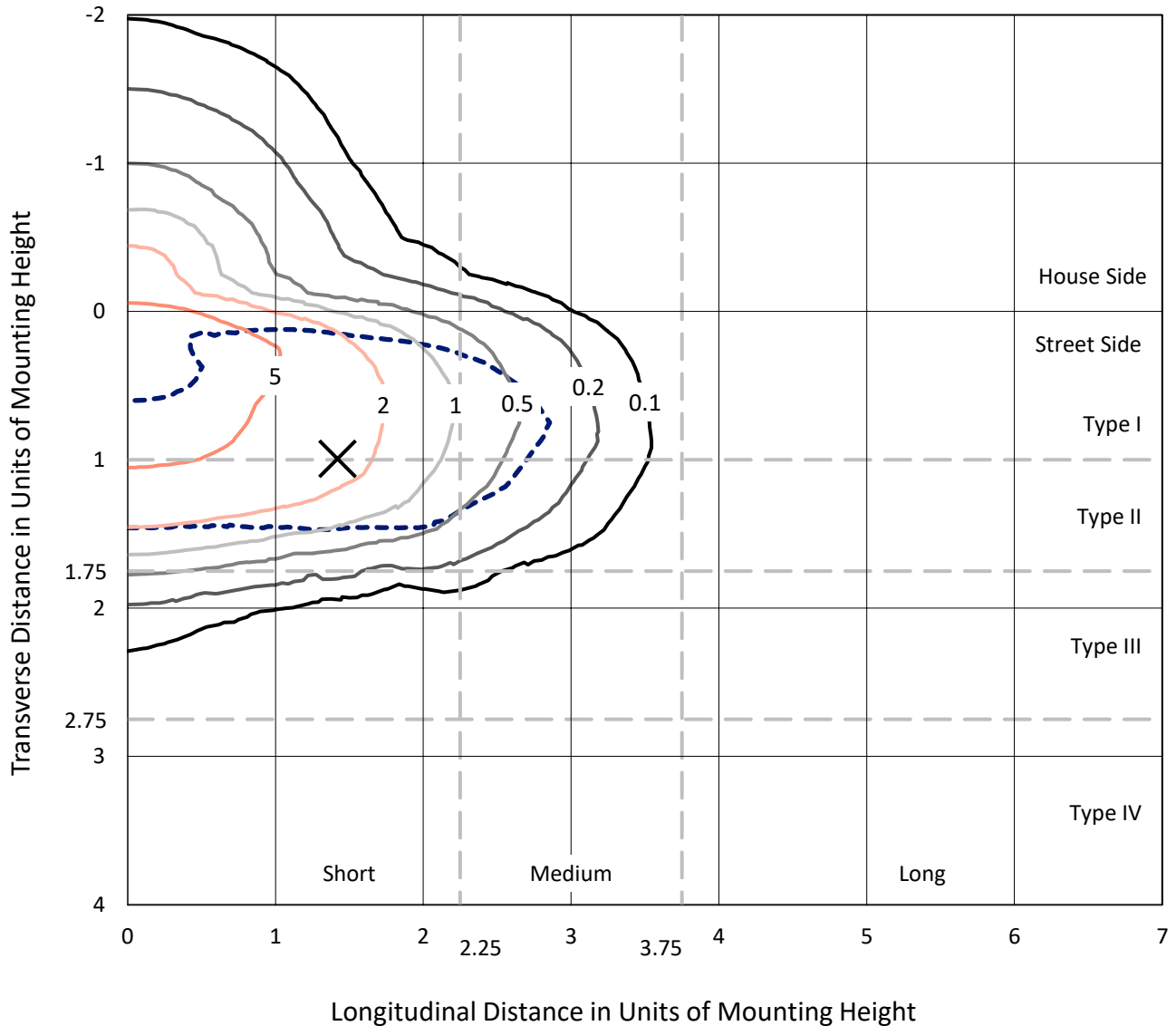
Lumens per Lamp: N/A
Luminaire Lumens: 6707.3 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

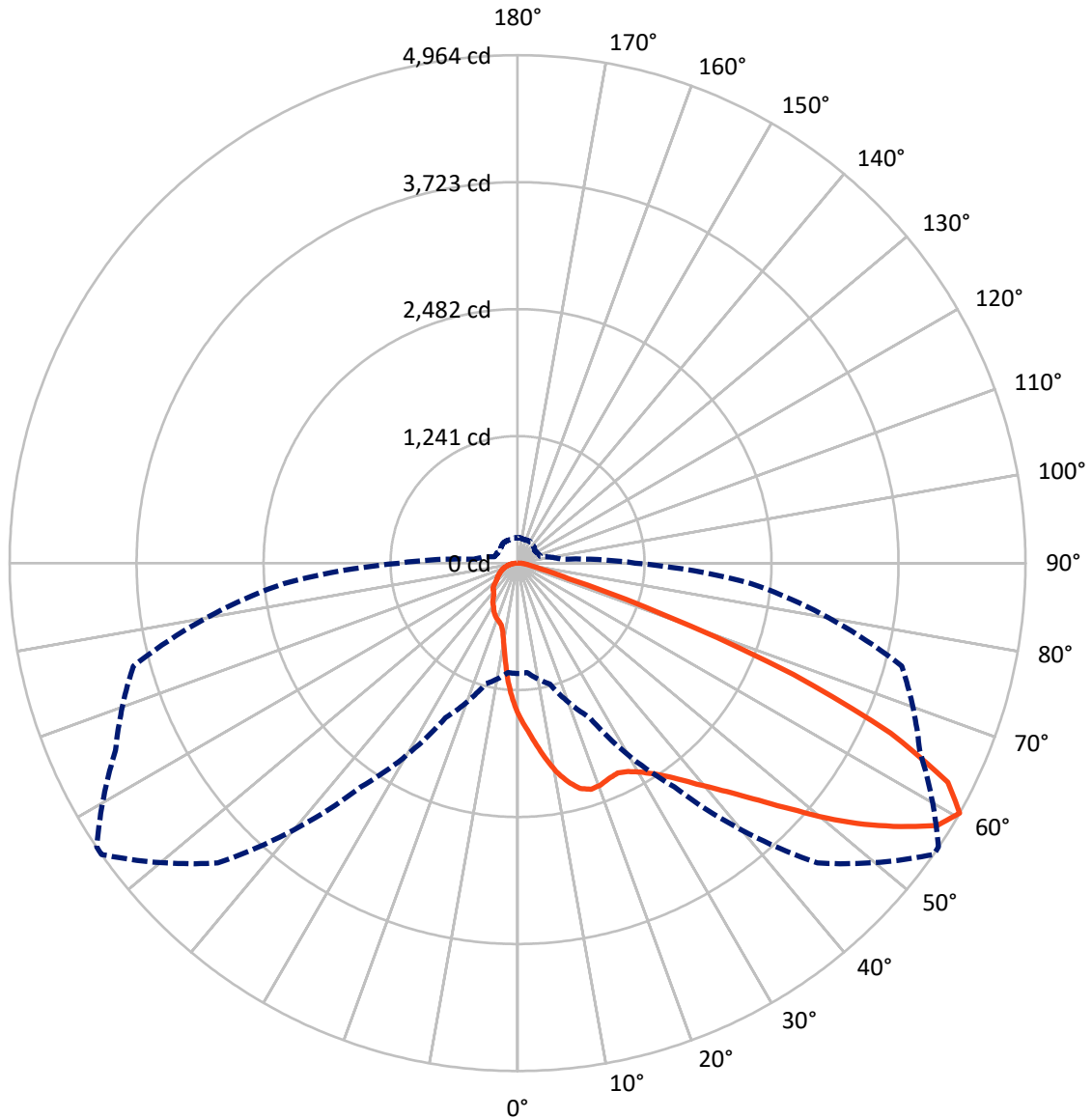
✕ Max cd
 - - - 1/2 Max cd



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

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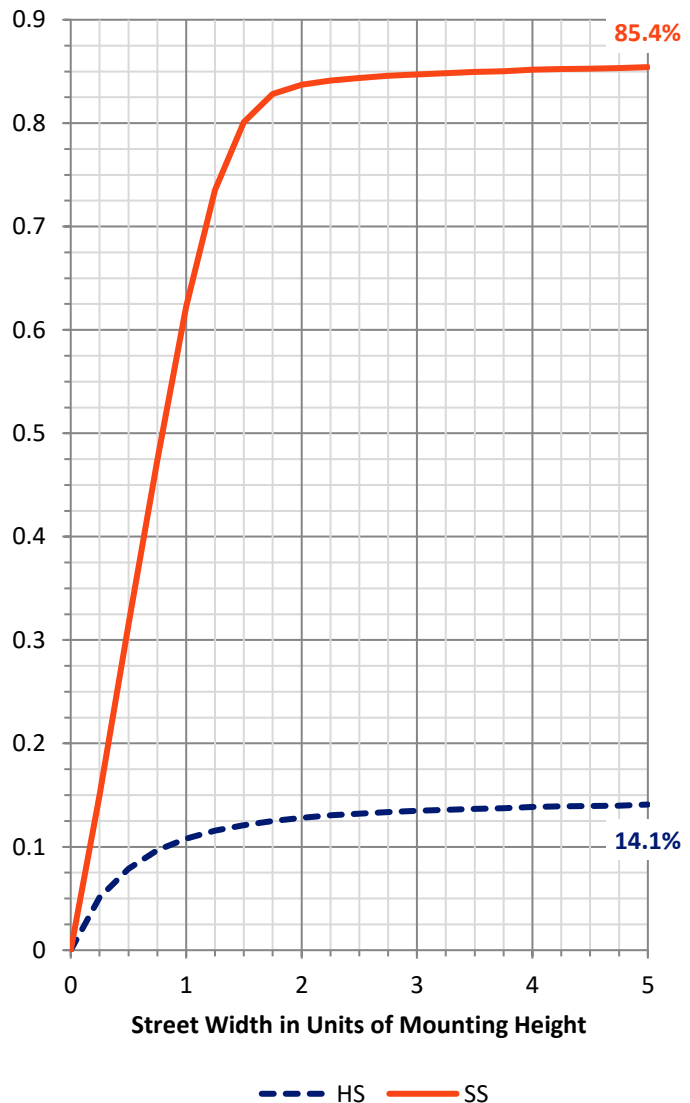
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	964.2	0.0	964.2
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	5743.1	0.0	5743.1
	% Fixture	85.6	0.0	85.6
Total	Lumens	6707.3	0.0	6707.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.2	2.1
10°-20°	394.4	5.9
20°-30°	642.1	9.6
30°-40°	959.8	14.3
40°-50°	1410.6	21.0
50°-60°	1653.3	24.6
60°-70°	1090.1	16.3
70°-80°	347.1	5.2
80°-90°	70.6	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°	6707.3	100.0
0°-180°	6707.3	100.0



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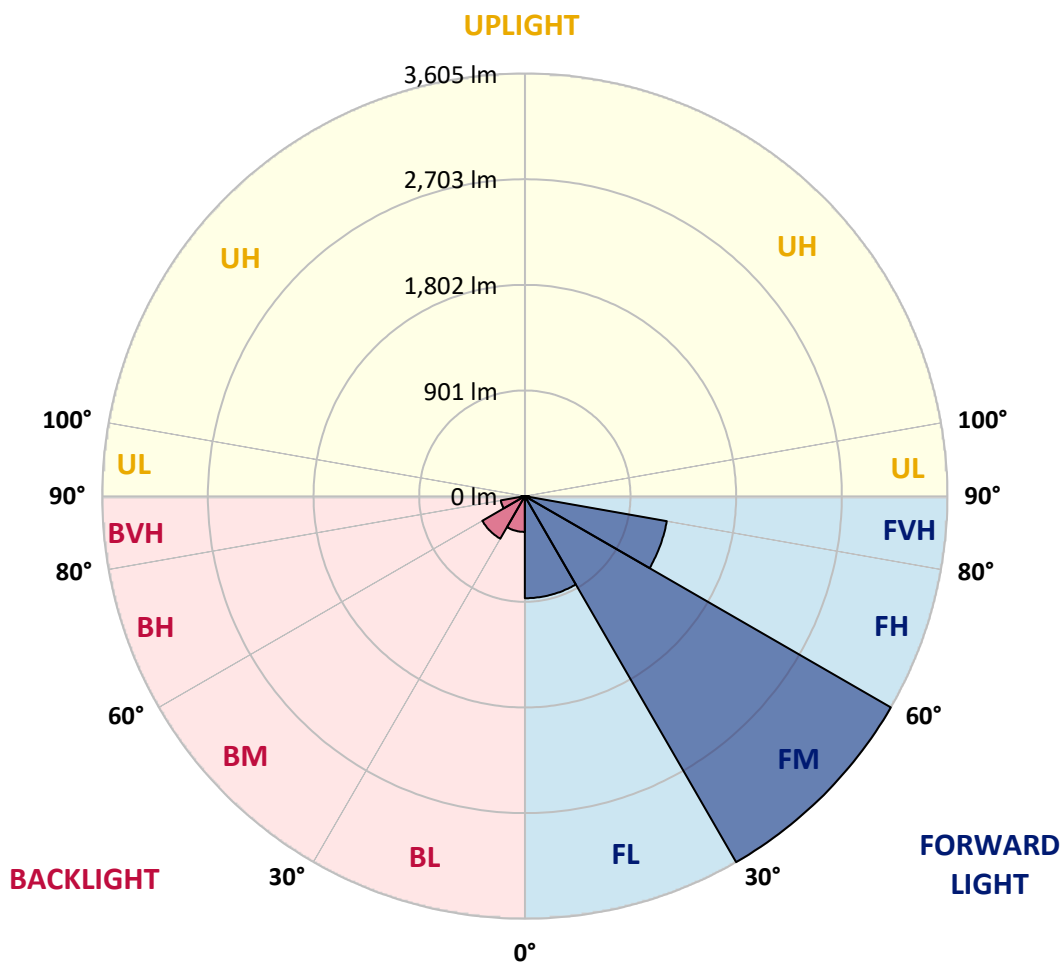
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	870.5	13.0			
FM (30°-60°)	3604.6	53.7			
FH (60°-80°)	1229.2	18.3			G1/1800
FVH (80°-90°)	38.7	0.6			G1/100
BL (0°-30°)	305.2	4.6	B1/500		
BM (30°-60°)	419.1	6.2	B1/1000		
BH (60°-80°)	208.1	3.1	B1/500		G1/500
BVH (80°-90°)	31.9	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°	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5
2.5°	1731.1	1724.7	1724.7	1708.7	1684.9	1651.8	1612.4	1602.7	1587.7	1549.3	1499.7
5°	1995.0	1988.2	1979.0	1950.8	1906.5	1840.4	1757.3	1742.2	1688.3	1609.0	1519.6
7.5°	2169.5	2165.6	2162.7	2138.4	2094.7	2029.5	1918.2	1901.2	1809.8	1678.6	1538.6
10°	2151.6	2163.2	2183.6	2200.6	2209.4	2175.9	2071.3	2051.4	1938.1	1759.3	1566.8
12.5°	1982.9	1999.4	2037.3	2106.8	2187.0	2251.7	2192.4	2181.2	2075.2	1844.8	1602.2
15°	1857.5	1864.3	1882.7	1934.3	2053.8	2226.4	2286.2	2276.0	2203.1	1954.7	1643.1
17.5°	1818.6	1821.5	1825.9	1842.9	1924.5	2127.7	2324.6	2334.3	2327.0	2068.9	1689.3
20°	1838.0	1840.0	1840.4	1843.4	1882.2	2045.1	2314.4	2330.9	2435.9	2183.1	1735.0
22.5°	1912.9	1910.4	1907.0	1895.9	1917.7	2030.5	2287.2	2313.4	2520.0	2287.2	1777.2
25°	2043.6	2040.2	2016.4	1993.1	2002.3	2083.0	2272.6	2300.8	2585.7	2385.4	1808.4
27.5°	2199.2	2195.8	2171.5	2127.2	2117.5	2170.5	2306.6	2324.1	2633.8	2472.4	1822.0
30°	2360.6	2360.6	2330.4	2279.4	2248.3	2270.7	2369.3	2383.4	2670.2	2556.5	1830.7
32.5°	2536.6	2541.4	2494.8	2436.4	2401.9	2388.8	2457.3	2469.5	2723.2	2655.7	1849.2
35°	2762.6	2751.9	2695.0	2618.2	2562.8	2533.2	2566.2	2580.3	2801.0	2779.1	1878.8
37.5°	3016.8	2997.9	2927.9	2836.0	2739.3	2689.7	2711.6	2715.0	2916.2	2940.0	1932.8
40°	3226.8	3223.4	3164.1	3077.1	2955.1	2888.5	2877.8	2879.8	3076.1	3130.6	2014.5
42.5°	3403.8	3391.1	3380.5	3349.8	3220.5	3111.1	3067.4	3067.9	3249.7	3327.5	2096.6
45°	3482.1	3479.6	3511.2	3590.0	3497.1	3368.3	3306.1	3314.8	3448.5	3529.7	2175.9
47.5°	3448.5	3450.5	3535.0	3741.6	3796.6	3697.9	3587.5	3582.2	3641.0	3684.8	2245.9
50°	3149.1	3180.7	3409.6	3755.7	3993.0	4042.1	3917.6	3897.7	3809.7	3808.2	2288.6
52.5°	2923.0	2921.6	3062.0	3612.3	4062.5	4352.7	4240.9	4196.2	3949.2	3877.8	2292.0
55°	2617.7	2615.8	2720.3	3192.8	3924.4	4569.5	4545.7	4489.8	4077.1	3900.6	2268.7
57.5°	1982.4	2019.3	2123.4	2556.0	3486.9	4535.0	4836.9	4790.2	4202.0	3890.4	2264.3
60°	1078.7	1074.3	1225.0	1665.9	2669.8	4143.2	4963.7	4961.3	4334.7	3886.5	2291.1
62.5°	497.3	492.4	522.6	741.8	1530.8	3319.2	4718.7	4753.7	4457.7	3851.0	2288.6
65°	371.9	359.2	318.4	345.1	585.8	1981.4	4008.0	4101.4	4268.1	3705.2	2182.7
67.5°	331.5	319.4	271.7	254.7	294.1	699.0	2907.5	2993.5	3569.1	3432.0	2011.1
70°	303.8	293.1	245.5	218.8	220.7	309.7	1522.0	1691.2	2615.8	2864.2	1714.0
72.5°	277.1	267.9	224.6	192.5	185.7	204.7	518.7	625.6	1627.0	2087.4	1278.0
75°	248.9	240.1	202.2	172.6	159.4	151.7	246.9	265.9	860.4	1152.6	685.9
77.5°	216.3	211.5	180.3	152.2	141.0	114.7	164.3	172.6	368.5	452.6	326.7
80°	188.1	184.2	160.9	138.1	126.4	88.5	113.3	119.1	181.8	226.0	182.8
82.5°	122.5	132.2	133.2	118.6	111.3	71.0	74.9	79.2	120.6	133.2	79.7
85°	50.6	61.3	91.9	81.7	77.3	60.3	49.6	50.6	73.9	77.8	28.7
87.5°	22.8	25.3	45.2	45.7	39.9	22.8	24.8	27.2	37.9	37.4	12.6
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°	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5	1487.5
2.5°	1486.1	1463.7	1423.8	1372.8	1336.3	1309.6	1280.4	1259.0	1235.2	1214.3	1217.7
5°	1482.7	1439.4	1349.9	1255.2	1162.8	1087.0	1023.8	977.1	929.0	910.0	907.6
7.5°	1485.6	1412.2	1265.4	1110.3	969.8	873.1	799.7	755.4	727.7	711.7	712.6
10°	1484.6	1386.4	1174.0	960.1	806.5	718.0	673.3	658.7	656.3	658.2	661.1
12.5°	1486.1	1351.4	1071.4	824.9	689.3	644.1	646.0	659.2	667.4	672.8	676.2
15°	1492.4	1322.7	966.4	718.5	628.1	629.5	650.4	670.8	683.0	688.8	691.7
17.5°	1501.6	1286.8	873.1	637.8	602.3	624.7	651.9	673.8	683.0	686.4	688.8
20°	1502.6	1245.4	778.8	582.4	585.3	614.5	638.3	655.8	667.4	671.3	673.3
22.5°	1498.2	1189.5	682.0	542.0	565.8	595.0	615.4	635.4	619.8	607.2	603.8
25°	1479.7	1119.0	599.4	509.0	541.5	568.8	592.1	570.2	562.9	553.2	554.2
27.5°	1439.9	1031.1	521.6	477.9	512.9	551.7	534.7	531.8	522.6	512.9	512.9
30°	1387.4	938.2	456.5	445.3	478.3	497.8	501.7	497.3	491.9	479.3	480.3
32.5°	1340.2	840.0	410.3	418.1	456.5	456.5	473.5	473.5	454.0	418.5	418.5
35°	1293.6	747.6	376.3	395.2	420.5	428.8	452.1	421.5	393.8	377.7	376.7
37.5°	1257.1	668.9	353.9	375.8	385.5	406.4	406.9	384.5	375.3	360.7	359.2
40°	1235.7	602.8	340.3	366.0	367.0	386.5	354.4	360.7	358.8	347.6	346.1
42.5°	1224.0	551.7	330.1	357.8	352.9	334.0	328.1	338.8	342.2	336.4	334.0
45°	1214.8	511.9	321.8	329.1	341.7	307.2	304.8	313.1	320.4	319.9	317.9
47.5°	1209.9	484.2	314.5	311.1	313.5	291.2	286.3	290.2	299.4	305.3	304.8
50°	1191.0	462.8	303.8	292.6	277.1	277.1	274.7	274.7	285.8	297.5	298.5
52.5°	1157.4	437.5	288.3	275.1	257.2	264.9	265.9	264.0	275.6	288.3	289.2
55°	1120.5	418.5	267.4	259.1	240.6	253.8	258.1	256.2	264.0	272.7	272.2
57.5°	1121.0	418.1	249.4	243.1	225.1	239.7	250.4	250.8	250.4	256.7	256.7
60°	1149.2	427.8	235.3	221.7	207.1	224.6	242.1	242.1	238.7	247.9	248.9
62.5°	1157.4	426.8	226.5	201.3	191.0	211.0	229.9	232.8	230.4	243.5	245.0
65°	1084.5	404.0	217.8	182.8	176.5	195.9	214.9	223.1	220.7	237.7	239.7
67.5°	983.4	374.3	204.2	166.3	161.4	181.3	199.3	208.1	207.6	229.9	230.9
70°	847.8	337.9	187.2	149.2	146.8	164.3	180.3	189.6	194.0	219.7	219.2
72.5°	656.7	289.7	161.4	131.3	130.8	146.8	160.9	171.1	179.4	204.2	204.2
75°	423.4	228.0	131.7	113.8	111.8	126.9	141.5	153.1	178.4	217.8	217.3
77.5°	258.6	174.0	106.0	94.8	94.3	107.9	122.5	142.4	194.9	194.0	188.6
80°	155.1	124.9	84.6	75.8	75.8	88.5	104.5	152.6	161.9	184.7	174.5
82.5°	80.7	76.8	63.2	55.9	58.3	69.5	95.3	122.0	132.2	112.3	103.1
85°	33.1	40.8	38.9	35.5	36.9	48.1	91.9	97.7	78.3	82.2	82.6
87.5°	11.2	18.0	18.0	14.1	15.6	34.0	54.4	32.6	39.4	23.3	17.5
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)