

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: P671511

Luminaire Tested: **CCP-SA-2E-727-U-SL4**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671511
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-727-U-SL4
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ SL4 distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

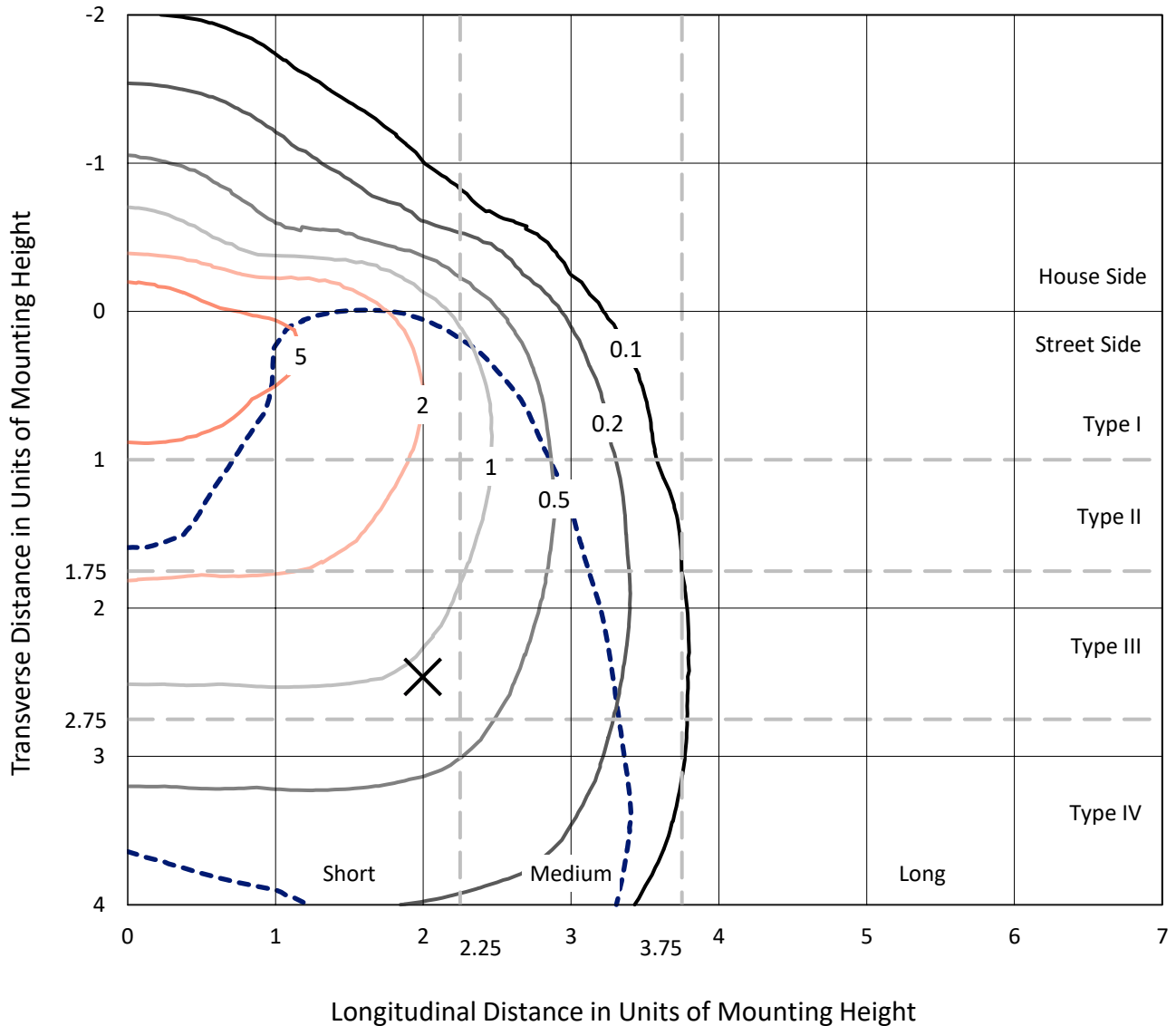
Lumens per Lamp: N/A
Luminaire Lumens: 11205.2 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

Input Watts (W): 106.6
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

REPORT NUMBER: P671511
 CATALOG NUMBER: CCP-SA-2E-727-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

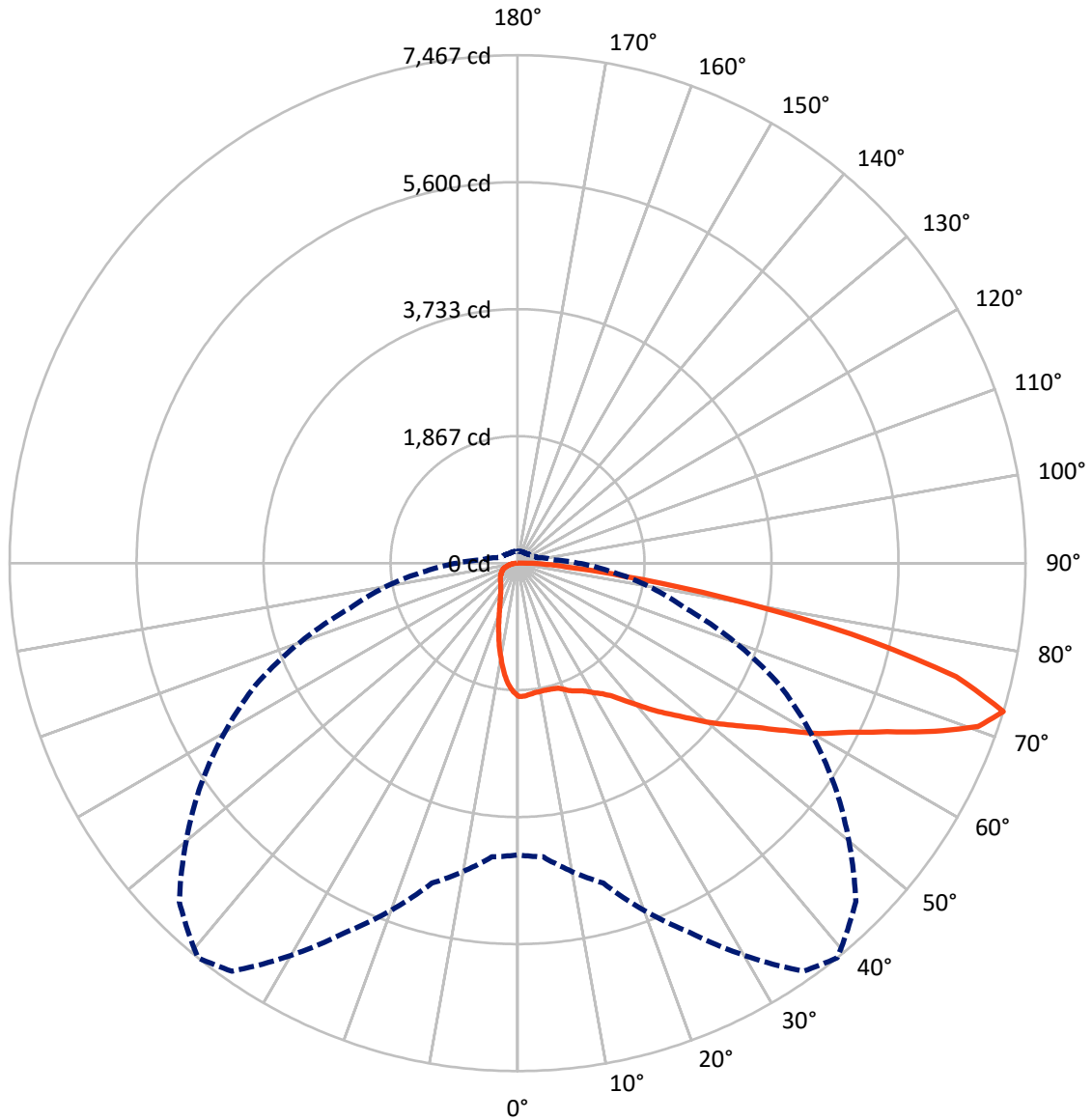
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P671511
CATALOG NUMBER: CCP-SA-2E-727-U-SL4

Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P671511

CATALOG NUMBER: CCP-SA-2E-727-U-SL4

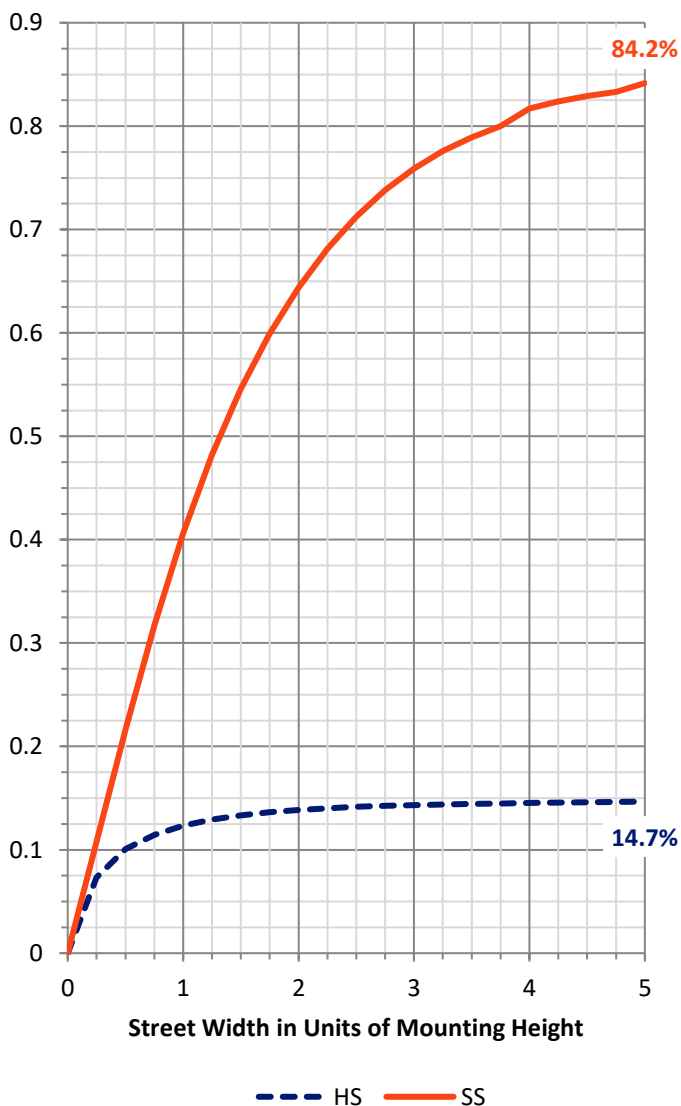
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1665.3	0.0	1665.3
	% Fixture	14.9	0.0	14.9
Street Side	Lumens	9539.9	0.0	9539.9
	% Fixture	85.1	0.0	85.1
Total	Lumens	11205.2	0.0	11205.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.3	1.5
10°-20°	442.4	3.9
20°-30°	673.9	6.0
30°-40°	985.8	8.8
40°-50°	1509.3	13.5
50°-60°	2213.6	19.8
60°-70°	2823.1	25.2
70°-80°	2039.7	18.2
80°-90°	344.1	3.1
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°	11205.2	100.0
0°-180°	11205.2	100.0



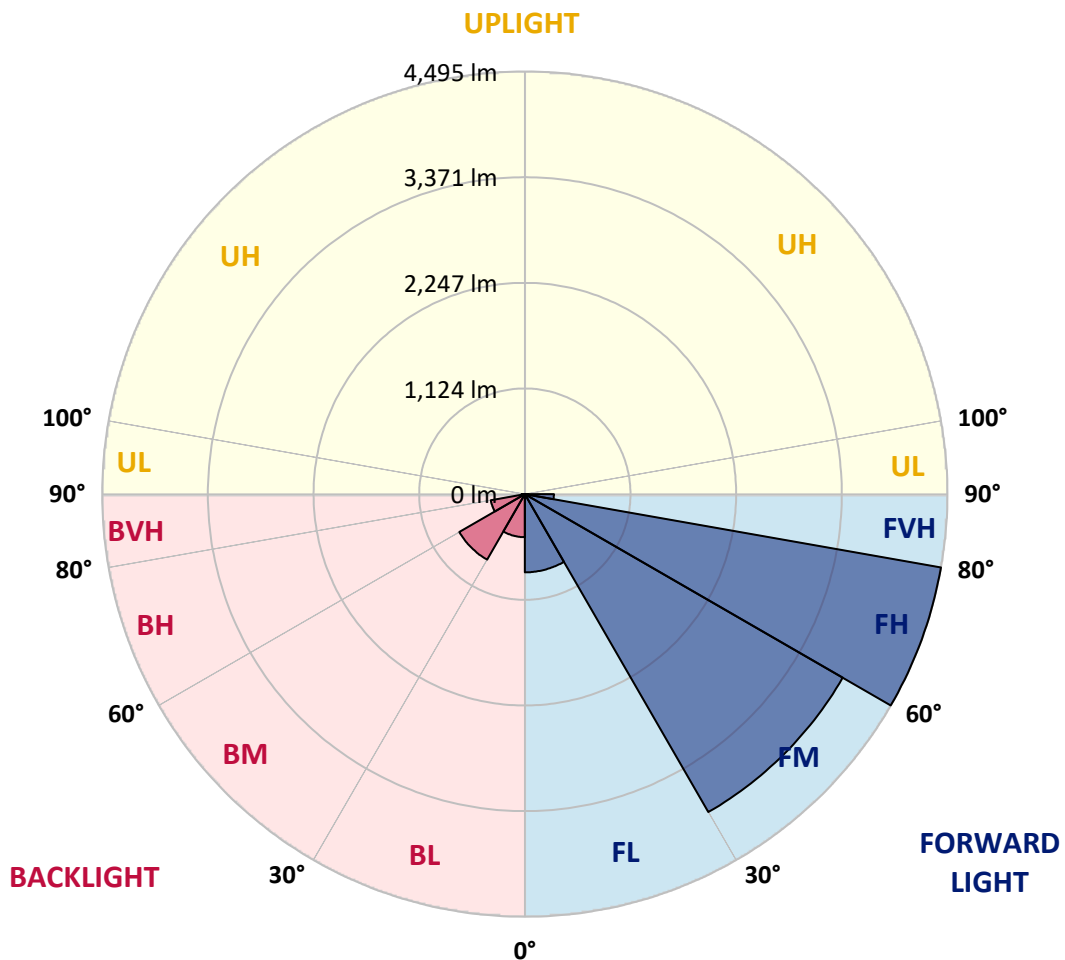
REPORT NUMBER: P671511
 CATALOG NUMBER: CCP-SA-2E-727-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	831.6	7.4			
FM (30°-60°)	3904.2	34.8			
FH (60°-80°)	4494.9	40.1			G2/5000
FVH (80°-90°)	309.2	2.8			G3/500
BL (0°-30°)	458.0	4.1	B1/500		
BM (30°-60°)	804.5	7.2	B1/1000		
BH (60°-80°)	368.0	3.3	B1/500		G1/500
BVH (80°-90°)	34.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short





REPORT NUMBER: P671511

CATALOG NUMBER: CCP-SA-2E-727-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	1961.4	1961.4	1961.4	1961.4	1961.4	1961.4	1961.4	1961.4	1961.4	1961.4	1961.4
2.5°	1990.9	1995.1	1986.7	1978.2	1974.0	1957.2	1974.0	1965.6	1957.2	1957.2	1957.2
5°	1965.6	1969.8	1969.8	1961.4	1965.6	1936.1	1931.9	1936.1	1923.5	1915.1	1910.9
7.5°	1927.7	1936.1	1953.0	1948.8	1931.9	1919.3	1923.5	1919.3	1898.3	1885.6	1852.0
10°	1898.3	1906.7	1915.1	1923.5	1919.3	1915.1	1910.9	1894.1	1889.8	1860.4	1826.7
12.5°	1868.8	1868.8	1873.0	1906.7	1910.9	1910.9	1885.6	1885.6	1873.0	1868.8	1818.3
15°	1839.3	1852.0	1885.6	1894.1	1910.9	1919.3	1906.7	1906.7	1885.6	1856.2	1818.3
17.5°	1847.8	1868.8	1902.5	1923.5	1931.9	1931.9	1948.8	1936.1	1906.7	1889.8	1852.0
20°	1889.8	1894.1	1936.1	1974.0	1982.4	1982.4	1965.6	1953.0	1931.9	1902.5	1852.0
22.5°	1915.1	1944.6	1995.1	2016.1	2041.4	2041.4	2020.3	1990.9	1961.4	1931.9	1877.2
25°	2024.5	2028.7	2049.8	2083.5	2096.1	2079.3	2058.2	2024.5	1986.7	1957.2	1906.7
27.5°	2100.3	2121.3	2146.6	2163.4	2142.4	2129.8	2112.9	2075.0	2045.6	2020.3	1948.8
30°	2239.2	2213.9	2230.8	2239.2	2201.3	2209.7	2163.4	2129.8	2096.1	2096.1	2016.1
32.5°	2323.4	2344.4	2327.6	2323.4	2293.9	2289.7	2260.2	2222.4	2201.3	2226.6	2117.1
35°	2470.7	2458.1	2458.1	2453.9	2420.2	2399.1	2399.1	2331.8	2352.8	2407.6	2272.9
37.5°	2546.5	2542.2	2567.5	2588.5	2554.9	2567.5	2554.9	2525.4	2533.8	2630.6	2466.5
40°	2622.2	2651.7	2702.2	2710.6	2731.7	2748.5	2740.1	2735.9	2769.5	2925.3	2727.4
42.5°	2693.8	2719.0	2794.8	2862.1	2912.6	2967.4	2971.6	2971.6	3081.0	3304.1	3043.1
45°	2786.4	2807.4	2912.6	3047.3	3131.5	3169.4	3203.1	3240.9	3388.3	3653.4	3379.8
47.5°	2912.6	2929.5	3055.7	3224.1	3388.3	3409.3	3476.6	3518.7	3741.8	4011.2	3725.0
50°	3093.6	3081.0	3182.0	3426.1	3586.1	3687.1	3783.9	3859.7	4078.5	4373.2	3994.4
52.5°	3240.9	3240.9	3316.7	3640.8	3859.7	3956.5	4057.5	4162.7	4415.3	4735.1	4213.2
55°	3493.5	3468.2	3514.5	3851.3	4166.9	4259.5	4453.1	4541.5	4785.7	5004.5	4398.4
57.5°	3666.1	3678.7	3733.4	4129.0	4528.9	4642.5	4836.2	4899.3	5114.0	5286.5	4533.1
60°	3893.3	3851.3	3969.1	4436.3	4928.8	5088.7	5248.6	5286.5	5446.5	5467.5	4596.2
62.5°	4112.2	4103.8	4204.8	4743.6	5358.1	5471.7	5635.9	5678.0	5745.3	5610.6	4507.9
65°	4246.9	4301.6	4491.0	5080.3	5846.3	5972.6	6136.7	6052.6	5976.8	5484.3	4074.3
67.5°	4432.1	4457.3	4747.8	5446.5	6410.3	6599.7	6742.8	6410.3	5846.3	4966.6	3430.3
70°	4474.2	4541.5	4920.3	5829.5	6991.2	7184.8	7193.2	6288.3	5370.7	4040.7	2487.5
72.5°	4289.0	4335.3	4869.8	5989.4	7323.7	7466.8	7033.3	5686.4	4255.3	2546.5	1355.3
75°	3607.1	3737.6	4238.5	5497.0	6713.4	6658.7	5960.0	4339.5	2554.9	1128.0	572.4
77.5°	2512.8	2517.0	3038.9	3998.6	5025.6	5012.9	4251.1	2517.0	1094.3	454.6	336.7
80°	1115.4	1195.4	1511.0	2155.0	3051.5	3051.5	2479.1	1250.1	547.2	294.6	231.5
82.5°	656.6	681.9	808.1	1006.0	1485.8	1565.8	1186.9	833.4	374.6	185.2	143.1
85°	484.0	526.1	601.9	606.1	702.9	715.5	656.6	724.0	256.8	101.0	117.9
87.5°	362.0	387.2	479.8	399.9	374.6	353.6	404.1	740.8	96.8	50.5	37.9
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: P671511
 CATALOG NUMBER: CCP-SA-2E-727-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1961.4	1961.4	1961.4	1961.4	1961.4	1961.4	1961.4	1961.4	1961.4	1961.4	1961.4
2.5°	1940.4	1940.4	1931.9	1915.1	1915.1	1881.4	1889.8	1898.3	1877.2	1877.2	1881.4
5°	1910.9	1894.1	1873.0	1847.8	1830.9	1784.6	1776.2	1746.7	1742.5	1734.1	1721.5
7.5°	1852.0	1826.7	1788.8	1751.0	1696.2	1654.1	1603.6	1561.5	1544.7	1532.1	1527.9
10°	1797.3	1793.0	1729.9	1654.1	1570.0	1490.0	1414.2	1359.5	1325.8	1304.8	1300.6
12.5°	1797.3	1763.6	1675.2	1570.0	1447.9	1330.0	1233.2	1157.5	1111.2	1077.5	1064.9
15°	1788.8	1755.2	1637.3	1477.4	1338.5	1178.5	1043.8	963.9	896.5	862.8	867.1
17.5°	1797.3	1746.7	1582.6	1410.0	1216.4	1043.8	883.9	787.1	719.7	694.5	690.3
20°	1801.5	1738.3	1540.5	1317.4	1090.1	896.5	745.0	652.4	601.9	585.1	585.1
22.5°	1793.0	1713.1	1477.4	1208.0	980.7	774.5	648.2	568.2	534.5	513.5	521.9
25°	1830.9	1708.9	1418.4	1115.4	854.4	673.4	576.6	517.7	496.7	484.0	488.2
27.5°	1839.3	1708.9	1372.1	1010.2	745.0	597.7	521.9	484.0	467.2	458.8	454.6
30°	1873.0	1717.3	1317.4	904.9	656.6	538.8	479.8	458.8	446.2	441.9	441.9
32.5°	1965.6	1742.5	1258.5	816.5	580.8	488.2	450.4	433.5	425.1	420.9	425.1
35°	2075.0	1809.9	1195.4	724.0	526.1	454.6	425.1	412.5	408.3	408.3	408.3
37.5°	2243.4	1910.9	1140.6	648.2	479.8	420.9	399.9	395.6	391.4	395.6	395.6
40°	2437.0	2020.3	1090.1	589.3	446.2	399.9	378.8	378.8	374.6	378.8	383.0
42.5°	2660.1	2155.0	1039.6	530.3	416.7	383.0	366.2	362.0	357.8	366.2	370.4
45°	2967.4	2340.2	1006.0	496.7	395.6	366.2	349.3	349.3	345.1	345.1	353.6
47.5°	3224.1	2517.0	1006.0	463.0	383.0	353.6	336.7	336.7	328.3	332.5	332.5
50°	3438.8	2668.5	1027.0	454.6	366.2	340.9	328.3	319.9	315.7	315.7	315.7
52.5°	3581.9	2761.1	1043.8	446.2	357.8	324.1	315.7	311.5	303.0	298.8	303.0
55°	3725.0	2824.3	1048.0	446.2	345.1	307.3	298.8	298.8	290.4	286.2	286.2
57.5°	3779.7	2799.0	989.1	437.7	336.7	294.6	286.2	282.0	277.8	273.6	273.6
60°	3754.4	2706.4	858.6	416.7	328.3	286.2	269.4	269.4	269.4	261.0	265.2
62.5°	3581.9	2390.7	690.3	383.0	315.7	269.4	252.5	261.0	261.0	256.8	256.8
65°	3127.3	1974.0	559.8	353.6	298.8	256.8	239.9	252.5	256.8	252.5	248.3
67.5°	2500.2	1519.5	463.0	319.9	277.8	235.7	223.1	235.7	239.9	235.7	235.7
70°	1717.3	980.7	374.6	286.2	248.3	214.7	202.0	210.5	210.5	214.7	214.7
72.5°	888.1	530.3	307.3	244.1	214.7	193.6	181.0	181.0	176.8	176.8	176.8
75°	441.9	362.0	256.8	206.2	181.0	164.2	155.7	147.3	147.3	147.3	147.3
77.5°	307.3	277.8	210.5	164.2	147.3	134.7	134.7	122.1	122.1	122.1	122.1
80°	231.5	218.9	159.9	126.3	113.6	105.2	105.2	101.0	101.0	96.8	96.8
82.5°	164.2	176.8	122.1	92.6	84.2	80.0	80.0	75.8	75.8	67.3	67.3
85°	130.5	147.3	92.6	67.3	63.1	54.7	54.7	50.5	50.5	46.3	42.1
87.5°	37.9	80.0	37.9	25.3	25.3	25.3	25.3	21.0	21.0	16.8	16.8
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)