

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: P671644

Luminaire Tested: **CCP-SA-2E-722-U-SLL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671644
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-722-U-SLL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ SLL distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

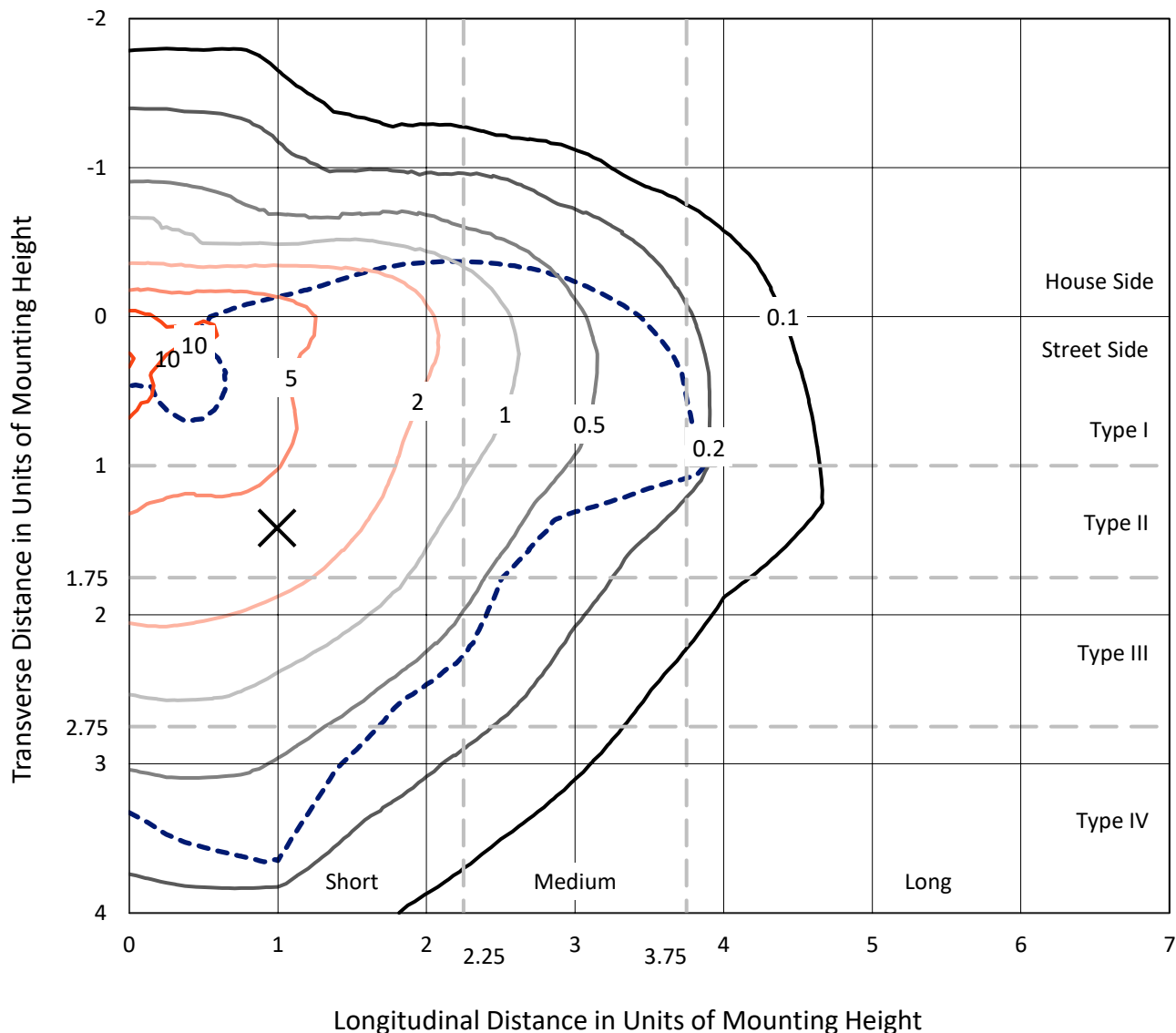
Lumens per Lamp: N/A
Luminaire Lumens: 8356.6 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

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: P671644
 CATALOG NUMBER: CCP-SA-2E-722-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

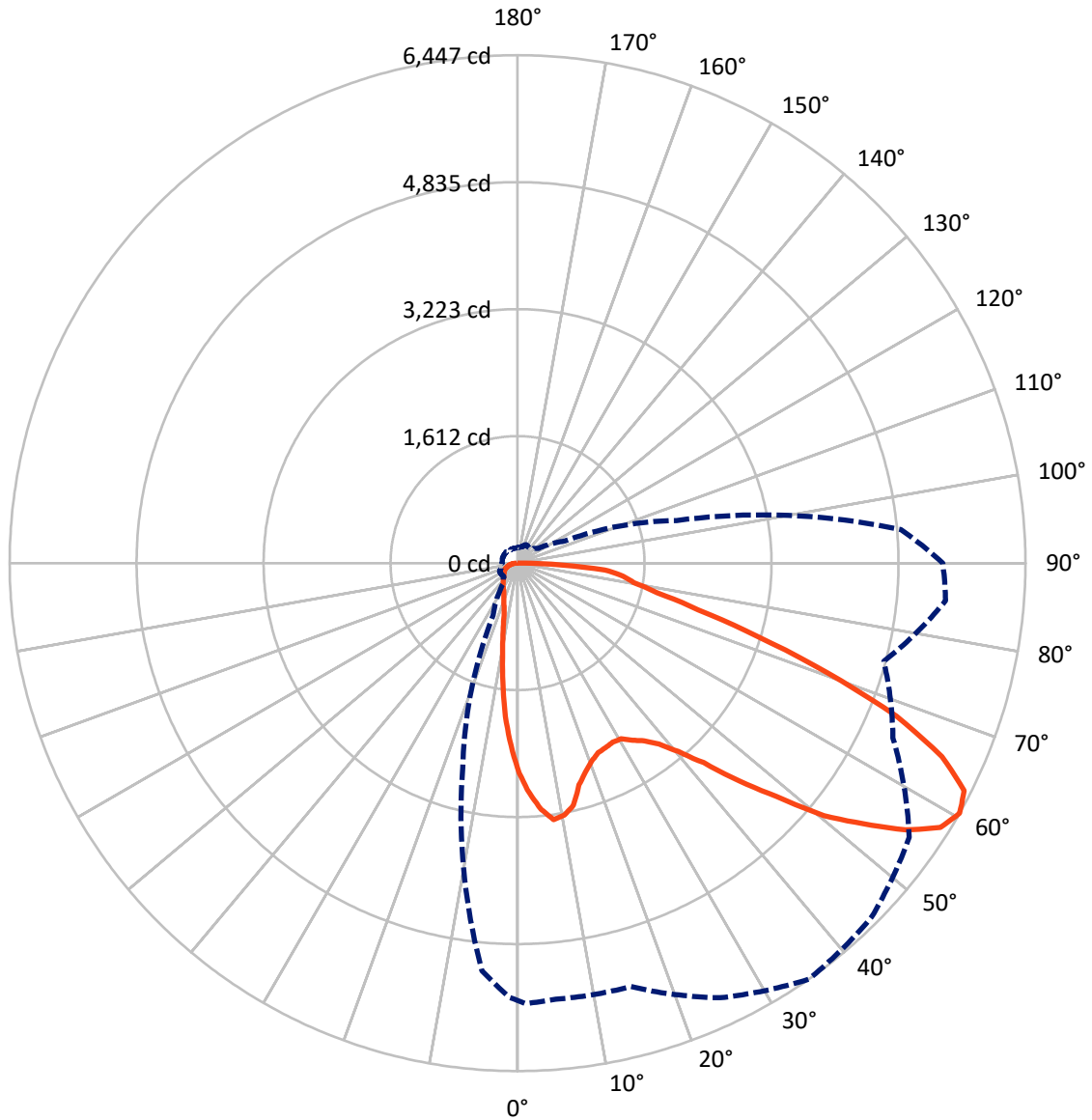
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 13.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P671644
CATALOG NUMBER: CCP-SA-2E-722-U-SLL

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P671644

CATALOG NUMBER: CCP-SA-2E-722-U-SLL

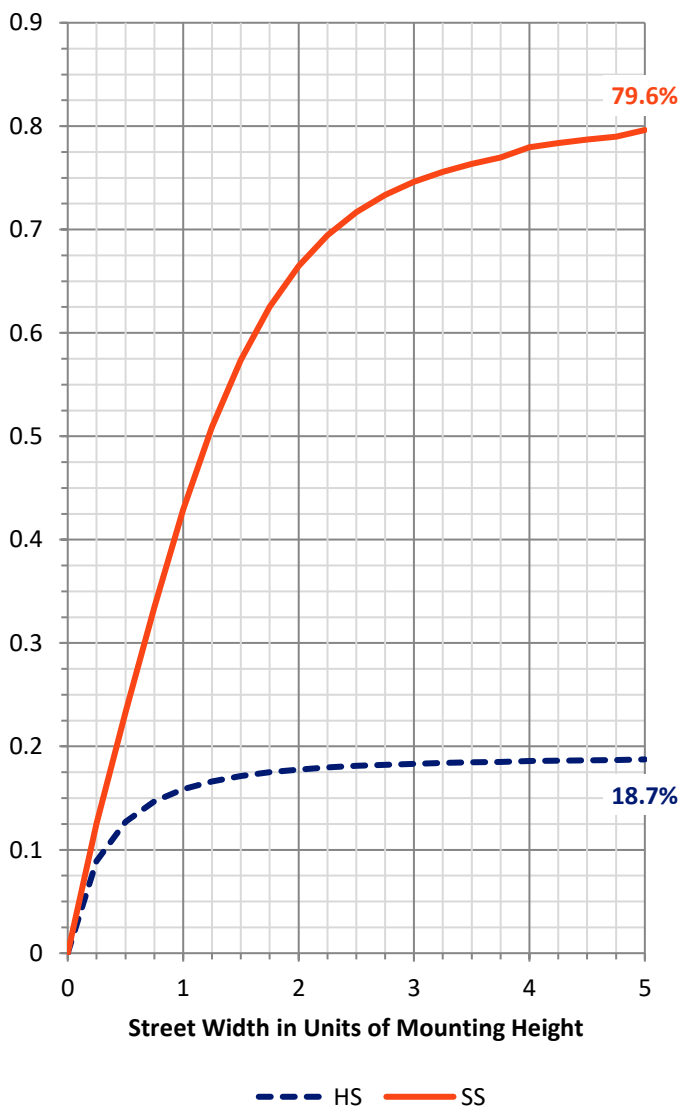
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1590.4	0.0	1590.4
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	6766.3	0.0	6766.3
	% Fixture	81.0	0.0	81.0
Total	Lumens	8356.6	0.0	8356.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.4	2.5
10°-20°	437.8	5.2
20°-30°	640.5	7.7
30°-40°	902.5	10.8
40°-50°	1240.3	14.8
50°-60°	1690.3	20.2
60°-70°	1850.0	22.1
70°-80°	1068.1	12.8
80°-90°	319.8	3.8
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°	8356.6	100.0
0°-180°	8356.6	100.0



REPORT NUMBER: P671644

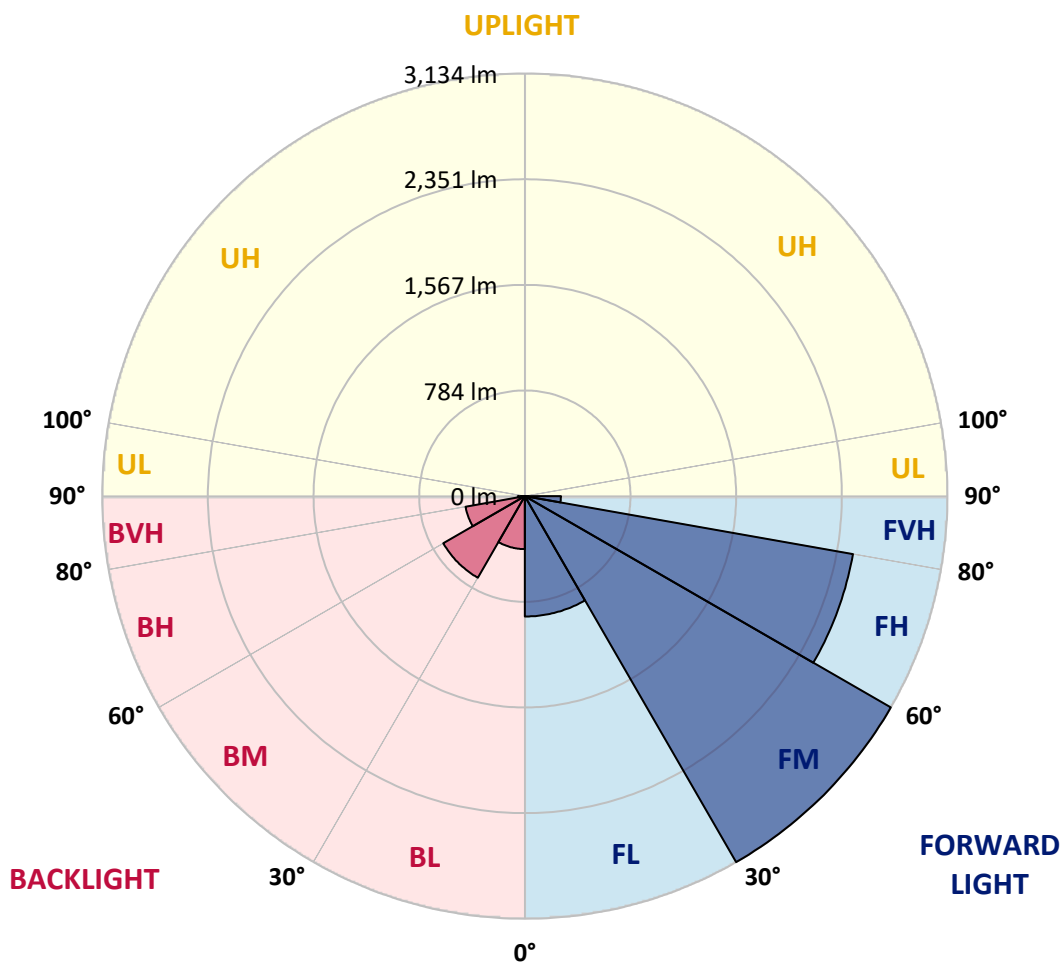
CATALOG NUMBER: CCP-SA-2E-722-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	892.7	10.7			
FM (30°-60°)	3134.4	37.5			
FH (60°-80°)	2471.4	29.6			G2/5000
FVH (80°-90°)	267.7	3.2			G3/500
BL (0°-30°)	392.9	4.7	B1/500		
BM (30°-60°)	698.6	8.4	B1/1000		
BH (60°-80°)	446.7	5.3	B1/500		G1/500
BVH (80°-90°)	52.1	0.6			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: P671644

CATALOG NUMBER: CCP-SA-2E-722-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1
2.5°	2858.1	2847.0	2858.1	2898.9	2910.0	2928.6	2928.6	2902.6	2854.4	2832.2	2795.1
5°	2921.1	2902.6	2995.3	3080.5	3147.3	3139.9	3076.8	3024.9	2928.6	2784.0	2646.8
7.5°	2795.1	2813.6	2880.4	3102.8	3258.5	3288.1	3188.1	3084.3	2876.7	2676.5	2491.1
10°	2557.9	2583.8	2728.4	2958.2	3202.9	3251.1	3188.1	3062.0	2813.6	2565.3	2350.3
12.5°	2442.9	2502.3	2587.5	2865.5	3039.8	3154.7	3125.0	3043.5	2765.5	2472.6	2265.0
15°	2442.9	2457.8	2583.8	2817.3	2917.4	2921.1	2932.3	2947.1	2780.3	2513.4	2235.3
17.5°	2520.8	2561.6	2669.1	2813.6	2832.2	2787.7	2787.7	2850.7	2809.9	2628.3	2342.8
20°	2709.8	2695.0	2835.9	2895.2	2795.1	2683.9	2672.8	2780.3	2843.3	2750.6	2539.3
22.5°	2898.9	2965.6	3080.5	2947.1	2761.7	2613.5	2598.6	2732.1	2943.4	2961.9	2765.5
25°	3184.3	3251.1	3310.4	3147.3	2758.0	2594.9	2606.0	2709.8	3065.7	3262.2	3143.6
27.5°	3492.0	3532.8	3618.1	3366.0	2847.0	2572.7	2583.8	2739.5	3180.6	3458.7	3440.1
30°	3666.3	3710.7	3692.2	3406.8	2906.3	2587.5	2557.9	2780.3	3117.6	3458.7	3632.9
32.5°	3836.8	3810.8	3799.7	3473.5	2980.5	2680.2	2606.0	2865.5	3154.7	3514.3	3881.3
35°	4044.4	4007.3	3977.7	3603.2	3102.8	2769.2	2735.8	2976.8	3236.2	3629.2	4081.4
37.5°	4274.2	4274.2	4129.6	3699.6	3247.4	2913.7	2876.7	3136.2	3366.0	3699.6	4355.8
40°	4544.8	4555.9	4300.2	3829.4	3410.5	3143.6	3132.4	3343.7	3492.0	3803.4	4619.0
42.5°	4745.0	4752.4	4448.4	3877.6	3599.5	3462.4	3510.6	3677.4	3636.6	3896.1	4637.5
45°	4882.2	4845.1	4552.2	4014.7	3807.1	3940.6	3955.4	4003.6	3825.7	3951.7	4711.6
47.5°	4948.9	4941.5	4596.7	4174.1	4244.6	4426.2	4511.5	4444.7	3999.9	3892.4	4711.6
50°	5015.6	4952.6	4637.5	4392.8	4670.9	5037.9	5019.3	4897.0	4240.9	3966.5	4641.2
52.5°	5060.1	5004.5	4719.1	4589.3	5078.6	5493.8	5568.0	5341.8	4522.6	4103.7	4674.6
55°	5219.5	5175.0	4963.7	4856.2	5549.4	5975.7	5986.9	5671.8	4819.1	4329.8	4893.3
57.5°	5412.3	5438.2	5301.1	5234.3	5909.0	6327.9	6287.1	5916.4	5071.2	4604.1	5145.4
60°	5549.4	5590.2	5556.8	5564.3	6087.0	6446.5	6353.9	6068.4	5256.6	4811.7	5453.1
62.5°	5475.3	5556.8	5694.0	5664.4	6094.4	6361.3	6231.5	5868.2	5278.8	5082.3	5686.6
65°	5271.4	5278.8	5545.7	5708.8	5760.7	5920.1	5749.6	5449.3	5049.0	5249.2	5653.2
67.5°	4748.7	4808.0	5049.0	5367.8	5149.1	5186.1	5171.3	4737.6	4700.5	5134.2	5397.4
70°	4192.7	4233.4	4496.6	4871.0	4348.4	4174.1	4207.5	3885.0	4037.0	4778.4	4882.2
72.5°	3466.1	3492.0	3792.3	4122.2	3488.3	3176.9	3254.8	2991.6	3206.6	4181.5	4118.5
75°	2617.2	2665.4	2898.9	3288.1	2569.0	2368.8	2446.6	2339.1	2539.3	3443.8	3195.5
77.5°	1860.9	1823.9	2113.0	2572.7	1931.4	1812.7	1820.2	1838.7	2053.7	2902.6	2294.7
80°	1267.8	1278.9	1538.4	1886.9	1516.2	1497.6	1479.1	1627.4	1723.8	2298.4	1668.2
82.5°	752.5	752.5	1038.0	1341.9	1197.4	1349.4	1264.1	1397.6	1349.4	1690.4	1093.6
85°	352.2	352.2	533.8	967.5	926.8	1112.1	945.3	1056.5	997.2	1178.8	493.0
87.5°	59.3	51.9	107.5	474.5	381.8	433.7	170.5	563.5	626.5	823.0	122.3
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: P671644
 CATALOG NUMBER: CCP-SA-2E-722-U-SLL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1
2.5°	2754.3	2728.4	2676.5	2609.8	2554.1	2483.7	2461.5	2413.3	2346.6	2339.1	2309.5
5°	2594.9	2506.0	2394.7	2257.6	2164.9	2068.5	1987.0	1938.8	1883.2	1875.8	1860.9
7.5°	2420.7	2309.5	2124.1	1961.0	1801.6	1649.6	1575.5	1482.8	1419.8	1371.6	1349.4
10°	2257.6	2153.8	1924.0	1701.5	1560.7	1460.6	1371.6	1275.2	1197.4	1138.1	1115.8
12.5°	2150.1	2027.7	1779.4	1568.1	1464.3	1349.4	1249.3	1145.5	1045.4	967.5	926.8
15°	2101.9	1987.0	1734.9	1501.4	1349.4	1190.0	1075.0	971.2	848.9	793.3	774.8
17.5°	2216.8	2046.3	1720.1	1423.5	1208.5	1026.8	886.0	774.8	685.8	630.2	608.0
20°	2365.1	2153.8	1746.0	1330.8	1075.0	871.2	715.5	596.8	537.5	496.7	493.0
22.5°	2554.1	2313.2	1786.8	1264.1	926.8	700.6	559.8	489.3	448.6	444.8	437.4
25°	2891.5	2602.3	1853.5	1175.1	808.1	578.3	478.2	437.4	418.9	407.8	415.2
27.5°	3180.6	2791.4	1901.7	1119.5	759.9	544.9	463.4	418.9	400.4	396.7	400.4
30°	3351.2	2965.6	1886.9	1015.7	663.6	519.0	493.0	478.2	441.1	411.5	411.5
32.5°	3506.9	3076.8	1883.2	923.1	567.2	433.7	411.5	400.4	422.6	437.4	426.3
35°	3721.9	3251.1	1872.1	871.2	526.4	400.4	363.3	333.6	318.8	311.4	322.5
37.5°	3951.7	3369.7	1842.4	863.7	504.2	381.8	352.2	322.5	307.7	300.3	296.6
40°	4203.8	3495.7	1809.0	826.7	493.0	370.7	341.0	315.1	296.6	285.4	281.7
42.5°	4366.9	3595.8	1775.7	808.1	470.8	363.3	329.9	307.7	289.1	274.3	274.3
45°	4459.6	3714.5	1742.3	789.6	444.8	367.0	329.9	300.3	278.0	270.6	263.2
47.5°	4500.3	3803.4	1731.2	759.9	422.6	352.2	322.5	292.9	270.6	255.8	252.1
50°	4607.8	3992.5	1772.0	737.7	396.7	337.3	341.0	289.1	266.9	248.4	244.7
52.5°	4670.9	4144.5	1860.9	704.3	378.1	318.8	333.6	281.7	255.8	237.3	237.3
55°	4900.7	4396.5	1957.3	678.4	355.9	292.9	307.7	266.9	237.3	226.1	226.1
57.5°	5193.6	4663.5	2038.9	667.3	341.0	274.3	274.3	259.5	226.1	211.3	207.6
60°	5397.4	4882.2	2087.1	659.9	326.2	255.8	244.7	259.5	215.0	200.2	196.5
62.5°	5419.7	4756.1	2038.9	656.1	322.5	237.3	222.4	248.4	203.9	189.1	181.6
65°	5278.8	4500.3	1905.4	641.3	318.8	218.7	207.6	215.0	189.1	177.9	170.5
67.5°	4997.1	4085.2	1712.7	633.9	315.1	203.9	189.1	185.4	174.2	163.1	155.7
70°	4340.9	3543.9	1486.5	600.5	307.7	192.8	170.5	166.8	155.7	148.3	144.6
72.5°	3644.0	2898.9	1227.0	556.1	292.9	174.2	155.7	148.3	144.6	133.5	129.7
75°	2791.4	2231.6	982.4	493.0	255.8	155.7	137.2	129.7	126.0	118.6	114.9
77.5°	1961.0	1660.8	726.6	400.4	215.0	140.9	122.3	114.9	111.2	100.1	100.1
80°	1330.8	1164.0	493.0	278.0	166.8	114.9	107.5	100.1	92.7	85.3	85.3
82.5°	826.7	815.5	355.9	181.6	122.3	92.7	85.3	85.3	74.1	66.7	66.7
85°	378.1	500.5	248.4	126.0	92.7	70.4	70.4	66.7	59.3	48.2	48.2
87.5°	118.6	166.8	129.7	55.6	51.9	40.8	40.8	37.1	37.1	29.7	29.7
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: P671644
 CATALOG NUMBER: CCP-SA-2E-722-U-SLL

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1
2.5°	2339.1	2335.4	2335.4	2320.6	2357.7	2357.7	2379.9	2361.4	2372.5	2376.2	2405.9
5°	1857.2	1886.9	1909.1	1953.6	1979.6	1990.7	1990.7	2020.3	2009.2	2031.5	2075.9
7.5°	1360.5	1397.6	1464.3	1519.9	1564.4	1579.2	1575.5	1582.9	1594.0	1568.1	1575.5
10°	1101.0	1075.0	1097.3	1149.2	1190.0	1238.2	1201.1	1197.4	1208.5	1197.4	1219.6
12.5°	919.3	889.7	871.2	871.2	900.8	923.1	911.9	930.5	971.2	982.4	1008.3
15°	745.1	719.2	704.3	685.8	715.5	722.9	734.0	759.9	789.6	804.4	834.1
17.5°	596.8	596.8	596.8	582.0	593.1	604.2	608.0	641.3	645.0	659.9	671.0
20°	489.3	500.5	519.0	526.4	537.5	537.5	530.1	548.6	533.8	544.9	552.3
22.5°	441.1	456.0	463.4	467.1	481.9	485.6	467.1	470.8	474.5	463.4	467.1
25°	415.2	422.6	415.2	418.9	422.6	415.2	418.9	426.3	422.6	430.0	426.3
27.5°	404.1	396.7	392.9	389.2	389.2	381.8	385.5	385.5	392.9	396.7	396.7
30°	404.1	392.9	378.1	367.0	367.0	355.9	363.3	370.7	374.4	381.8	381.8
32.5°	415.2	392.9	367.0	355.9	344.8	337.3	344.8	355.9	370.7	374.4	378.1
35°	329.9	341.0	337.3	322.5	318.8	318.8	315.1	315.1	304.0	304.0	300.3
37.5°	296.6	292.9	300.3	304.0	307.7	296.6	296.6	281.7	278.0	281.7	281.7
40°	278.0	278.0	278.0	289.1	292.9	285.4	274.3	266.9	266.9	266.9	270.6
42.5°	270.6	263.2	259.5	266.9	278.0	270.6	259.5	255.8	255.8	259.5	259.5
45°	259.5	255.8	252.1	248.4	263.2	252.1	248.4	244.7	244.7	244.7	248.4
47.5°	248.4	244.7	237.3	237.3	241.0	237.3	233.5	233.5	233.5	241.0	241.0
50°	241.0	237.3	229.8	229.8	229.8	229.8	226.1	226.1	226.1	229.8	233.5
52.5°	229.8	226.1	222.4	218.7	218.7	218.7	218.7	218.7	218.7	222.4	226.1
55°	218.7	215.0	211.3	211.3	215.0	215.0	211.3	215.0	211.3	215.0	218.7
57.5°	207.6	203.9	200.2	203.9	207.6	203.9	203.9	203.9	203.9	203.9	207.6
60°	192.8	192.8	192.8	192.8	200.2	200.2	200.2	200.2	192.8	196.5	200.2
62.5°	185.4	181.6	181.6	185.4	189.1	189.1	192.8	189.1	185.4	189.1	189.1
65°	170.5	170.5	170.5	174.2	174.2	177.9	177.9	177.9	174.2	177.9	177.9
67.5°	159.4	159.4	159.4	159.4	166.8	166.8	166.8	166.8	163.1	163.1	166.8
70°	140.9	144.6	140.9	148.3	155.7	152.0	155.7	155.7	152.0	148.3	155.7
72.5°	129.7	129.7	129.7	129.7	140.9	140.9	140.9	144.6	140.9	137.2	140.9
75°	114.9	114.9	114.9	118.6	126.0	126.0	126.0	126.0	126.0	122.3	122.3
77.5°	100.1	103.8	100.1	103.8	111.2	107.5	111.2	114.9	111.2	107.5	107.5
80°	85.3	85.3	85.3	89.0	92.7	92.7	92.7	96.4	92.7	89.0	89.0
82.5°	66.7	66.7	70.4	70.4	74.1	74.1	74.1	77.8	74.1	70.4	70.4
85°	51.9	51.9	51.9	55.6	55.6	59.3	59.3	63.0	63.0	59.3	59.3
87.5°	33.4	29.7	33.4	33.4	37.1	37.1	33.4	29.7	33.4	29.7	25.9
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: P671644
 CATALOG NUMBER: CCP-SA-2E-722-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1
2.5°	2435.5	2502.3	2550.4	2583.8	2632.0	2724.7	2761.7	2828.5	2847.0	2858.1
5°	2094.5	2164.9	2268.7	2342.8	2428.1	2602.3	2735.8	2835.9	2880.4	2921.1
7.5°	1642.2	1734.9	1842.4	1938.8	2079.6	2294.7	2468.9	2676.5	2754.3	2795.1
10°	1282.6	1367.9	1486.5	1605.1	1801.6	1983.3	2231.6	2420.7	2528.2	2557.9
12.5°	1082.5	1182.5	1323.4	1468.0	1590.3	1797.9	2050.0	2324.3	2424.4	2442.9
15°	919.3	1056.5	1201.1	1349.4	1490.2	1671.9	1942.5	2276.1	2424.4	2442.9
17.5°	759.9	882.3	1052.8	1212.2	1375.3	1623.7	1961.0	2316.9	2465.2	2520.8
20°	604.2	722.9	856.3	1056.5	1278.9	1542.1	2001.8	2454.1	2650.5	2709.8
22.5°	500.5	552.3	682.1	874.9	1138.1	1486.5	2042.6	2669.1	2876.7	2898.9
25°	437.4	474.5	556.1	737.7	1026.8	1449.5	2139.0	2917.4	3184.3	3184.3
27.5°	407.8	422.6	478.2	641.3	949.0	1416.1	2235.3	3191.8	3440.1	3492.0
30°	400.4	437.4	467.1	570.9	863.7	1323.4	2324.3	3406.8	3662.6	3666.3
32.5°	392.9	385.5	407.8	496.7	759.9	1227.0	2398.5	3625.5	3825.7	3836.8
35°	307.7	322.5	359.6	437.4	682.1	1156.6	2435.5	3744.1	4033.3	4044.4
37.5°	289.1	307.7	337.3	404.1	630.2	1097.3	2446.6	3973.9	4252.0	4274.2
40°	281.7	296.6	318.8	374.4	589.4	1023.1	2468.9	4211.2	4574.5	4544.8
42.5°	266.9	285.4	307.7	359.6	556.1	967.5	2472.6	4340.9	4745.0	4745.0
45°	263.2	274.3	300.3	359.6	519.0	919.3	2413.3	4470.7	4941.5	4882.2
47.5°	248.4	270.6	292.9	348.5	474.5	871.2	2342.8	4537.4	4967.4	4948.9
50°	244.7	266.9	304.0	329.9	448.6	848.9	2328.0	4704.2	5019.3	5015.6
52.5°	237.3	259.5	315.1	315.1	415.2	819.3	2398.5	4778.4	5030.5	5060.1
55°	226.1	259.5	292.9	289.1	385.5	782.2	2476.3	4971.1	5226.9	5219.5
57.5°	218.7	252.1	278.0	263.2	352.2	756.2	2591.2	5156.5	5464.2	5412.3
60°	207.6	252.1	248.4	244.7	326.2	734.0	2687.6	5193.6	5516.1	5549.4
62.5°	200.2	263.2	218.7	226.1	304.0	722.9	2646.8	4915.5	5445.6	5475.3
65°	192.8	226.1	200.2	207.6	296.6	700.6	2487.4	4581.9	5141.7	5271.4
67.5°	177.9	185.4	185.4	192.8	289.1	648.7	2161.2	3981.4	4678.3	4748.7
70°	163.1	166.8	166.8	177.9	281.7	589.4	1783.1	3443.8	4059.2	4192.7
72.5°	148.3	148.3	148.3	163.1	259.5	541.2	1468.0	2646.8	3373.4	3466.1
75°	129.7	129.7	129.7	144.6	233.5	493.0	1156.6	1968.4	2483.7	2617.2
77.5°	114.9	114.9	111.2	129.7	203.9	400.4	834.1	1390.1	1749.7	1860.9
80°	96.4	92.7	92.7	103.8	159.4	289.1	537.5	982.4	1219.6	1267.8
82.5°	77.8	74.1	70.4	77.8	114.9	181.6	333.6	685.8	782.2	752.5
85°	74.1	77.8	63.0	59.3	81.6	118.6	211.3	422.6	352.2	352.2
87.5°	29.7	25.9	25.9	22.2	40.8	44.5	92.7	77.8	59.3	59.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)