

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: P672969

Luminaire Tested: **CCP-SA-2A-735-U-T1**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672969
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-735-U-T1
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T1 distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

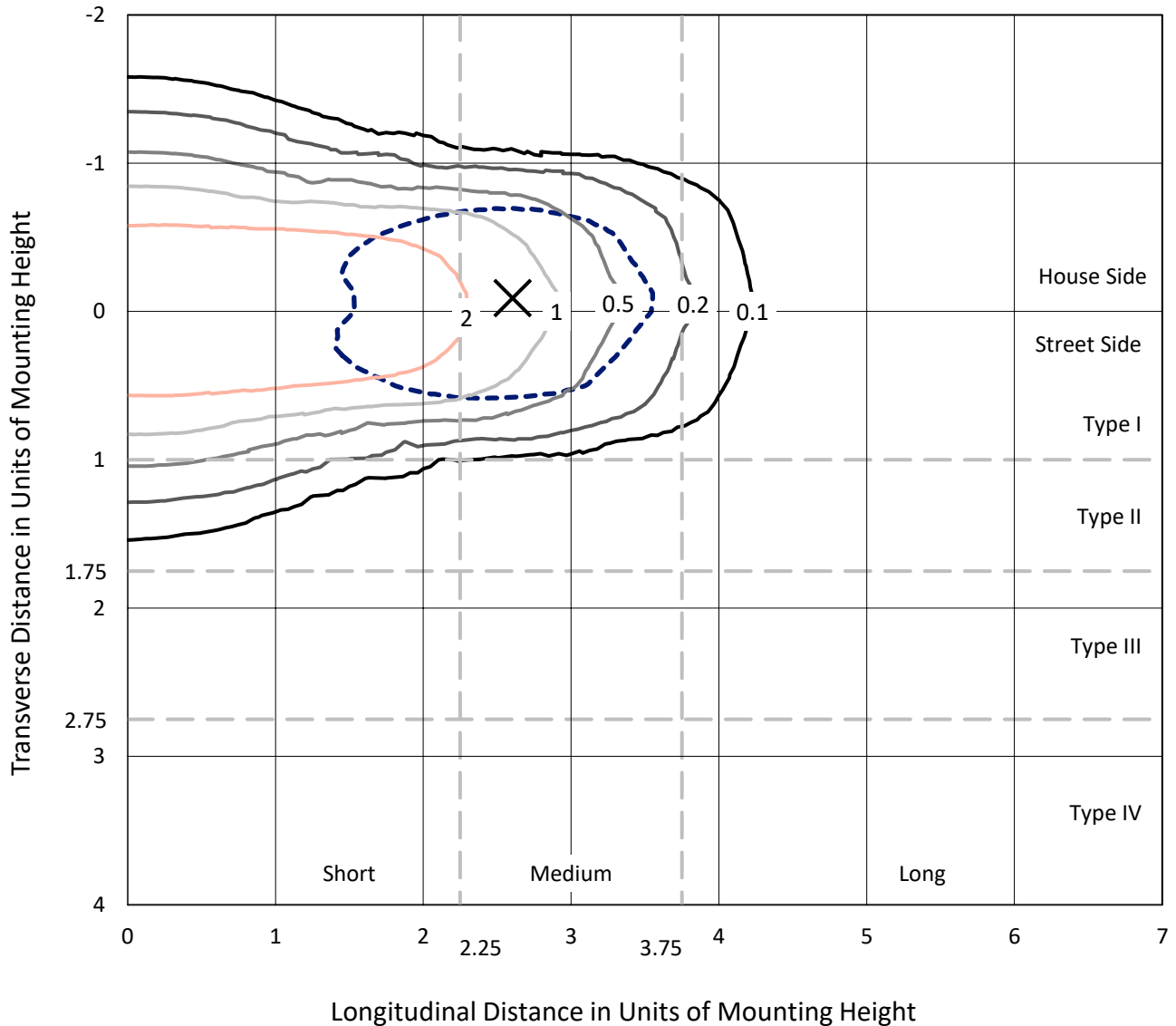
Lumens per Lamp: N/A
Luminaire Lumens: 5255.2 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 36.2
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

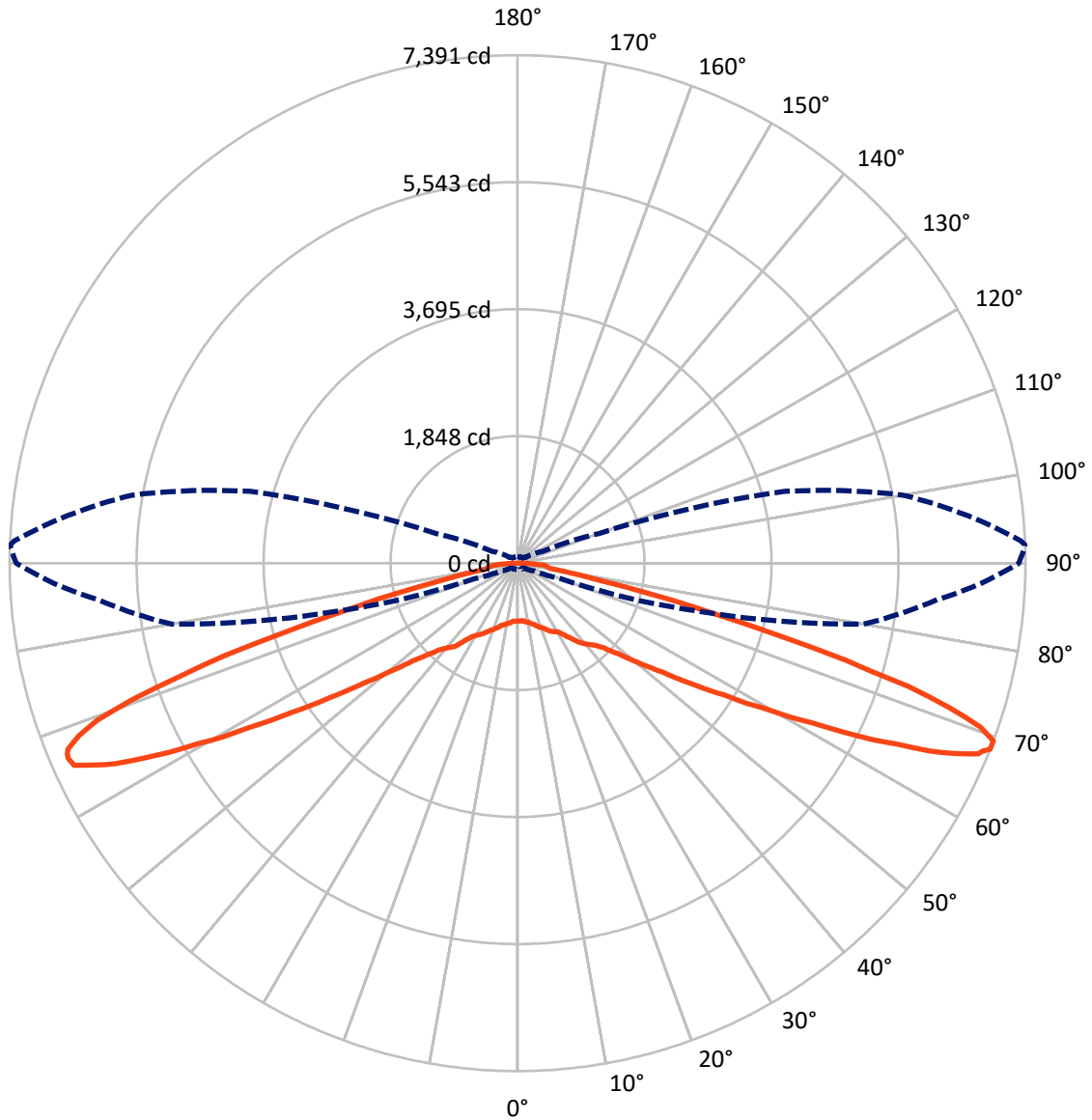
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2706.3	0.0	2706.3
	% Fixture	51.5	0.0	51.5
Street Side	Lumens	2548.8	0.0	2548.8
	% Fixture	48.5	0.0	48.5
Total	Lumens	5255.2	0.0	5255.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.2	1.6
10°-20°	272.6	5.2
20°-30°	465.2	8.9
30°-40°	649.6	12.4
40°-50°	826.3	15.7
50°-60°	1044.8	19.9
60°-70°	1288.5	24.5
70°-80°	562.9	10.7
80°-90°	61.0	1.2
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°	5255.2	100.0
0°-180°	5255.2	100.0



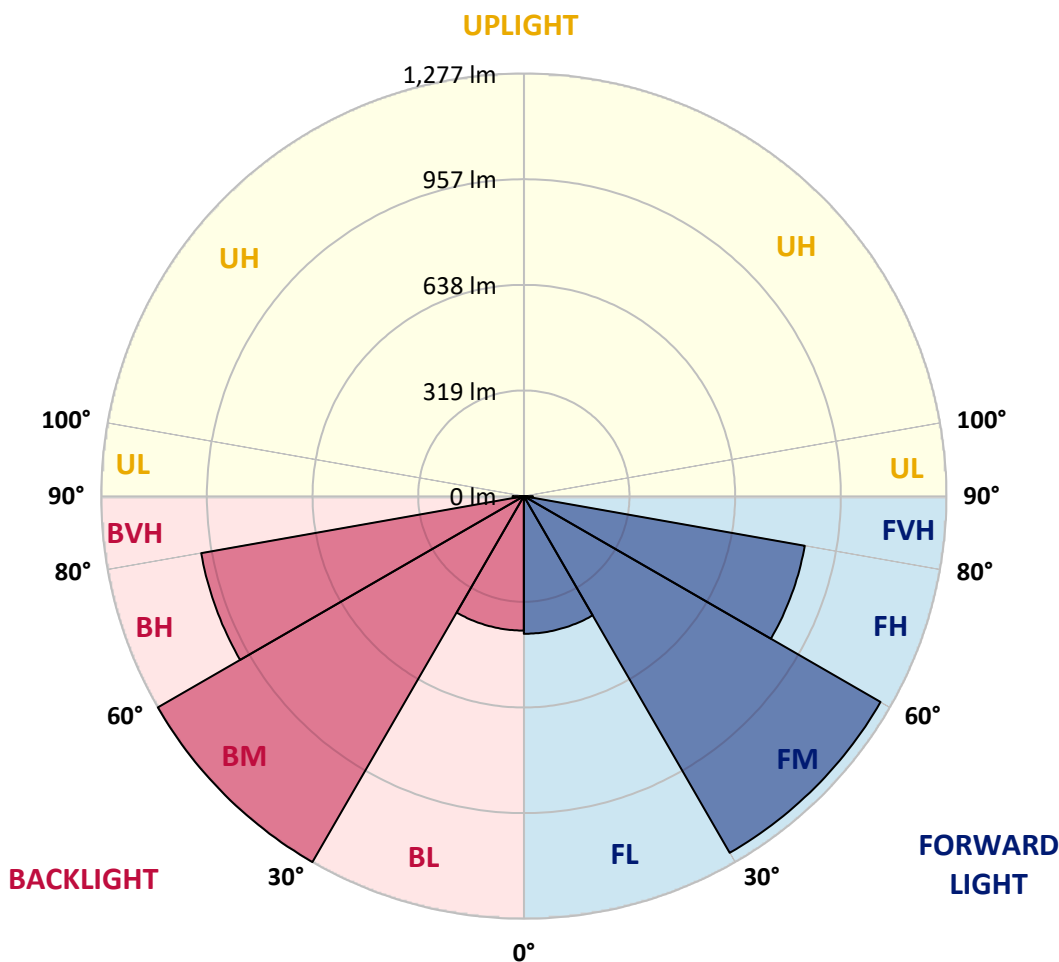
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	415.9	7.9			
FM (30°-60°)	1244.1	23.7			
FH (60°-80°)	861.7	16.4			G1/1800
FVH (80°-90°)	27.1	0.5			G1/100
BL (0°-30°)	406.1	7.7	B1/500		
BM (30°-60°)	1276.6	24.3	B2/2500		
BH (60°-80°)	989.6	18.8	B2/1000		G2/1000
BVH (80°-90°)	34.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3
2.5°	858.1	857.1	860.1	862.0	853.2	856.1	854.2	852.2	845.3	842.3	836.4
5°	881.8	884.7	894.6	885.7	889.7	884.7	868.9	873.9	865.0	863.0	857.1
7.5°	923.2	917.3	931.1	921.2	924.2	914.3	907.4	898.5	896.6	882.8	883.7
10°	932.1	943.9	949.8	947.9	949.8	954.8	941.9	928.1	909.4	905.4	891.6
12.5°	926.2	937.0	952.8	965.6	974.5	976.5	971.5	968.6	960.7	938.0	937.0
15°	920.2	912.3	922.2	966.6	996.2	1015.9	1022.8	1006.0	1008.0	978.4	966.6
17.5°	880.8	868.9	907.4	950.8	987.3	1030.7	1064.2	1059.3	1059.3	1035.6	1018.9
20°	828.5	848.2	868.0	923.2	990.3	1055.4	1119.5	1116.5	1104.7	1097.8	1061.3
22.5°	784.1	793.0	829.5	887.7	971.5	1062.3	1138.2	1192.5	1164.8	1137.2	1115.5
25°	753.5	745.7	792.0	852.2	953.8	1050.4	1173.7	1229.9	1244.7	1224.0	1182.6
27.5°	710.1	710.1	746.6	803.8	896.6	1044.5	1208.2	1294.0	1315.7	1285.2	1225.0
30°	660.8	666.8	698.3	763.4	854.2	1001.1	1222.0	1368.0	1385.8	1359.1	1297.0
32.5°	622.4	622.4	657.9	726.9	824.6	981.4	1213.2	1441.0	1474.5	1454.8	1390.7
35°	580.9	578.0	603.6	679.6	777.2	942.9	1210.2	1499.2	1574.2	1575.2	1508.1
37.5°	521.8	533.6	566.1	626.3	739.7	905.4	1201.3	1569.2	1703.4	1726.1	1679.7
40°	482.3	487.2	516.8	582.9	681.5	861.1	1188.5	1626.4	1789.2	1867.1	1803.0
42.5°	425.1	432.0	454.7	536.6	625.3	797.9	1132.3	1666.9	1911.5	2000.3	1946.0
45°	364.9	368.9	402.4	469.5	565.2	723.0	1072.1	1732.0	2029.8	2211.3	2179.8
47.5°	292.9	294.9	323.5	393.5	493.2	648.0	979.4	1729.0	2125.5	2422.4	2511.2
50°	228.8	233.8	255.5	312.7	406.4	556.3	871.9	1705.3	2245.8	2663.1	2837.6
52.5°	182.5	183.5	197.3	242.6	313.6	464.6	756.5	1630.4	2359.3	2898.8	3238.1
55°	150.9	150.9	158.8	186.4	240.7	353.1	621.4	1506.1	2373.1	3159.2	3675.0
56°	145.0	143.0	149.9	173.6	217.0	318.6	558.3	1422.3	2392.8	3279.5	3894.0
57°	137.1	138.1	142.0	158.8	195.3	282.1	488.2	1340.4	2379.0	3378.1	4055.7
58°	133.2	131.2	139.1	149.9	172.6	250.5	439.9	1243.7	2357.3	3459.0	4291.5
59°	127.2	126.2	131.2	141.0	160.8	222.9	380.7	1139.2	2314.9	3563.6	4467.0
60°	125.3	124.3	126.2	134.1	147.9	195.3	335.3	1016.9	2201.5	3671.1	4685.0
61°	119.3	120.3	124.3	129.2	140.1	175.6	301.8	891.6	2127.5	3761.8	4925.7
62°	120.3	118.4	120.3	124.3	132.2	161.8	264.3	768.3	1995.3	3864.4	5106.2
63°	114.4	113.4	116.4	121.3	125.3	146.0	230.8	663.8	1845.4	3888.1	5259.0
64°	112.4	111.5	112.4	119.3	120.3	137.1	204.2	567.1	1628.4	3928.5	5455.3
65°	107.5	107.5	109.5	112.4	116.4	129.2	182.5	492.2	1412.4	3822.0	5515.5
66°	103.6	104.5	104.5	109.5	112.4	120.3	167.7	418.2	1205.3	3652.3	5573.7
67°	100.6	100.6	101.6	105.5	108.5	113.4	150.9	362.0	1016.9	3450.1	5483.9
67.5°	98.6	99.6	99.6	103.6	106.5	113.4	144.0	343.2	909.4	3228.2	5416.9
68°	95.7	96.7	96.7	100.6	103.6	109.5	139.1	313.6	838.4	3084.2	5292.6
69°	93.7	92.7	92.7	96.7	100.6	104.5	129.2	274.2	666.8	2681.8	5111.1
70°	87.8	87.8	89.8	92.7	95.7	99.6	119.3	241.6	564.2	2220.2	4643.6
71°	84.8	83.8	84.8	87.8	90.7	95.7	109.5	214.0	461.6	1843.4	4184.0
72°	78.9	80.9	80.9	83.8	86.8	89.8	102.6	186.4	387.6	1473.6	3678.0
72.5°	77.9	77.9	78.9	81.9	83.8	88.8	98.6	178.5	354.1	1299.0	3465.9
73°	75.0	75.0	75.9	78.9	80.9	85.8	95.7	160.8	322.5	1156.0	3069.4
74°	72.0	71.0	71.0	75.0	75.9	80.9	89.8	142.0	270.3	870.9	2463.8
75°	67.1	67.1	68.1	70.0	71.0	75.0	82.9	126.2	227.8	675.6	1927.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
77.5°	55.2	56.2	57.2	59.2	59.2	62.1	68.1	87.8	139.1	342.3	884.7
80°	40.4	42.4	45.4	48.3	47.3	47.3	53.3	63.1	82.9	153.9	339.3
82.5°	32.5	34.5	31.6	35.5	35.5	33.5	38.5	46.4	56.2	75.9	121.3
85°	21.7	22.7	18.7	21.7	20.7	20.7	25.6	27.6	34.5	42.4	60.2
87.5°	9.9	9.9	7.9	8.9	8.9	8.9	12.8	9.9	14.8	20.7	35.5
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):

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
0°	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3
2.5°	842.3	846.3	846.3	842.3	839.4	842.3	840.3	835.4	840.3	842.3	843.3
5°	854.2	846.3	850.2	841.3	847.2	846.3	844.3	849.2	850.2	850.2	857.1
7.5°	867.0	876.8	864.0	865.0	868.0	856.1	860.1	862.0	858.1	866.0	871.9
10°	889.7	893.6	889.7	874.9	884.7	876.8	873.9	882.8	880.8	882.8	891.6
12.5°	910.4	917.3	906.4	905.4	900.5	893.6	897.5	896.6	910.4	912.3	923.2
15°	952.8	935.0	931.1	930.1	928.1	925.2	927.1	928.1	945.9	948.8	974.5
17.5°	989.3	986.3	964.6	972.5	972.5	960.7	955.7	972.5	986.3	1001.1	1018.9
20°	1026.8	1023.8	1000.1	1001.1	992.2	1003.1	997.2	1012.9	1036.6	1041.6	1057.3
22.5°	1071.1	1058.3	1041.6	1043.5	1046.5	1038.6	1034.6	1056.3	1080.0	1093.8	1094.8
25°	1141.2	1108.6	1094.8	1096.8	1092.8	1086.9	1089.9	1117.5	1129.3	1158.9	1153.0
27.5°	1178.7	1159.9	1150.0	1127.4	1128.3	1119.5	1131.3	1172.7	1196.4	1219.1	1173.7
30°	1224.0	1212.2	1168.8	1160.9	1159.9	1156.0	1177.7	1230.9	1266.4	1279.3	1214.2
32.5°	1312.8	1265.4	1254.6	1247.7	1231.9	1236.8	1247.7	1317.7	1373.9	1371.0	1251.6
35°	1414.4	1381.8	1351.3	1345.3	1343.4	1329.6	1348.3	1430.2	1473.6	1460.7	1265.4
37.5°	1577.1	1527.8	1486.4	1463.7	1459.8	1449.9	1494.3	1559.4	1615.6	1565.3	1276.3
40°	1657.0	1601.8	1563.3	1549.5	1552.5	1566.3	1609.7	1709.3	1733.9	1641.2	1285.2
42.5°	1771.4	1711.3	1635.3	1628.4	1619.5	1626.4	1710.3	1844.4	1865.1	1743.8	1251.6
45°	1974.6	1883.9	1796.1	1756.6	1758.6	1777.3	1907.5	2054.5	2016.0	1814.8	1198.4
47.5°	2231.1	2097.9	2026.9	1973.6	1999.3	1978.6	2185.7	2303.1	2171.9	1904.6	1133.3
50°	2616.7	2430.3	2333.6	2269.5	2280.4	2298.1	2508.2	2607.8	2344.5	1948.0	1033.7
52.5°	3103.0	2863.3	2721.3	2635.4	2643.3	2681.8	2953.0	2922.5	2541.7	1984.5	900.5
55°	3684.9	3438.3	3163.1	3127.6	3118.7	3210.5	3509.3	3251.9	2719.3	1926.3	762.4
56°	3992.6	3730.3	3444.2	3371.2	3349.5	3413.6	3764.8	3416.6	2780.4	1861.2	696.3
57°	4254.0	4003.5	3689.8	3565.5	3593.2	3713.5	4018.3	3571.5	2836.7	1794.1	634.2
58°	4613.0	4327.0	3995.6	3900.9	3876.2	3971.9	4291.5	3727.3	2855.4	1725.1	577.0
59°	4971.0	4627.8	4329.0	4156.3	4163.3	4337.8	4560.7	3912.7	2884.0	1637.3	504.0
60°	5243.3	5070.7	4671.2	4542.0	4524.2	4776.7	4829.0	4037.0	2914.6	1518.9	452.7
61°	5628.9	5404.0	5032.2	4865.5	4913.8	5116.0	5119.0	4192.8	2869.2	1369.0	389.6
62°	5906.1	5846.9	5456.3	5297.5	5282.7	5551.0	5420.8	4329.9	2829.7	1227.0	344.2
63°	6230.6	6230.6	5874.5	5750.2	5757.1	5969.2	5552.0	4467.0	2784.4	1070.2	302.8
64°	6399.2	6611.3	6282.8	6108.3	6153.6	6337.1	5785.7	4556.8	2644.3	911.4	266.3
65°	6545.2	6863.8	6681.3	6600.4	6531.4	6639.9	5987.9	4640.6	2430.3	775.2	236.7
66°	6668.5	7101.5	7041.3	6954.5	6947.6	6923.0	6027.4	4637.7	2209.4	654.9	207.1
67°	6606.4	7106.4	7215.9	7252.4	7241.5	6981.2	5958.3	4532.1	1926.3	553.3	184.4
67.5°	6550.1	7066.0	7320.5	7299.7	7345.1	7030.5	5970.2	4402.9	1725.1	501.0	173.6
68°	6500.8	7011.7	7362.9	7389.5	7366.8	7036.4	5905.1	4300.3	1588.0	470.5	163.7
69°	6127.0	6754.3	7294.8	7390.5	7332.3	6810.5	5698.0	4033.1	1261.5	401.4	150.9
70°	5752.2	6420.9	6964.4	7140.0	7068.0	6373.6	5436.6	3608.0	1040.6	343.2	136.1
71°	5233.4	5801.5	6524.5	6630.0	6543.2	5876.5	4896.1	3159.2	809.8	291.0	121.3
72°	4529.2	5011.5	5701.9	5957.4	5829.1	5161.4	4349.7	2610.8	655.9	244.6	110.5
72.5°	4180.0	4674.2	5339.9	5360.6	5385.3	4850.7	4117.9	2293.2	572.1	226.9	107.5
73°	3848.6	4332.9	4908.9	4981.9	4877.3	4327.0	3771.7	2050.6	522.7	207.1	103.6
74°	3118.7	3394.9	3872.3	3943.3	3851.6	3528.1	3082.2	1572.2	416.2	178.5	94.7
75°	2454.0	2605.9	3037.9	2994.5	2857.4	2743.9	2389.8	1201.3	337.3	156.8	87.8



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CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
77.5°	1102.7	1194.4	1266.4	1266.4	1274.3	1216.1	1101.7	551.4	208.1	113.4	72.0
80°	420.2	470.5	486.3	487.2	494.1	511.9	476.4	271.2	123.3	80.9	58.2
82.5°	304.8	426.1	458.6	435.0	436.9	394.5	182.5	120.3	77.9	56.2	42.4
85°	276.2	370.9	392.6	389.6	390.6	364.9	107.5	59.2	45.4	35.5	29.6
87.5°	134.1	131.2	139.1	156.8	152.9	198.3	90.7	29.6	19.7	14.8	14.8
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: P672969

CATALOG NUMBER: CCP-SA-2A-735-U-T1

CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
0°	840.3	840.3	840.3	840.3	840.3	840.3
2.5°	835.4	834.4	848.2	834.4	842.3	836.4
5°	845.3	849.2	852.2	858.1	844.3	858.1
7.5°	874.9	878.8	879.8	884.7	878.8	877.8
10°	897.5	907.4	913.3	893.6	905.4	904.5
12.5°	941.9	932.1	931.1	927.1	916.3	912.3
15°	973.5	958.7	949.8	934.0	921.2	916.3
17.5°	1017.9	989.3	952.8	920.2	897.5	879.8
20°	1045.5	994.2	921.2	882.8	848.2	856.1
22.5°	1063.3	989.3	892.6	843.3	808.8	818.6
25°	1069.2	964.6	872.9	811.7	778.2	771.3
27.5°	1052.4	936.0	834.4	765.4	735.8	741.7
30°	1044.5	894.6	798.9	730.9	691.4	697.3
32.5°	1023.8	852.2	751.6	682.5	653.9	644.1
35°	994.2	816.7	706.2	641.1	606.6	598.7
37.5°	957.7	772.3	666.8	587.8	557.3	551.4
40°	903.5	719.0	609.5	541.5	506.0	505.0
42.5°	856.1	667.7	556.3	486.3	450.7	452.7
45°	796.0	598.7	495.1	435.0	399.5	401.4
47.5°	719.0	534.6	436.9	369.9	340.3	338.3
50°	628.3	461.6	365.9	308.7	284.1	279.1
52.5°	541.5	387.6	299.8	248.6	227.8	225.9
55°	432.0	301.8	233.8	195.3	179.5	180.5
56°	392.6	278.1	213.0	178.5	166.7	166.7
57°	355.1	246.6	193.3	164.7	153.9	153.9
58°	313.6	217.0	175.6	148.9	144.0	140.1
59°	285.0	197.3	158.8	141.0	133.2	132.2
60°	251.5	177.5	147.9	132.2	126.2	125.3
61°	222.9	159.8	136.1	123.3	121.3	121.3
62°	199.2	147.9	126.2	119.3	118.4	115.4
63°	178.5	136.1	121.3	113.4	110.5	113.4
64°	159.8	125.3	117.4	111.5	107.5	109.5
65°	145.0	120.3	112.4	108.5	104.5	105.5
66°	135.1	112.4	108.5	103.6	101.6	102.6
67°	122.3	108.5	104.5	99.6	98.6	99.6
67.5°	118.4	105.5	102.6	97.6	96.7	97.6
68°	115.4	103.6	101.6	96.7	95.7	94.7
69°	107.5	99.6	96.7	94.7	92.7	91.7
70°	100.6	95.7	93.7	90.7	88.8	87.8
71°	96.7	90.7	89.8	86.8	84.8	83.8
72°	91.7	87.8	85.8	81.9	80.9	81.9
72.5°	90.7	85.8	84.8	80.9	79.9	79.9
73°	87.8	81.9	82.9	78.9	76.9	78.9
74°	81.9	79.9	77.9	75.0	74.0	74.0
75°	76.9	75.0	73.0	71.0	71.0	71.0



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	135°	145°	155°	165°	175°	180°
77.5°	65.1	64.1	65.1	61.2	60.2	59.2
80°	52.3	52.3	53.3	50.3	48.3	47.3
82.5°	39.5	40.4	42.4	39.5	37.5	35.5
85°	25.6	26.6	26.6	23.7	27.6	25.6
87.5°	12.8	13.8	12.8	11.8	13.8	13.8
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)