

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: P672978

Luminaire Tested: **CCP-SA-1E-740-U-T1**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672978
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-740-U-T1
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T1 distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

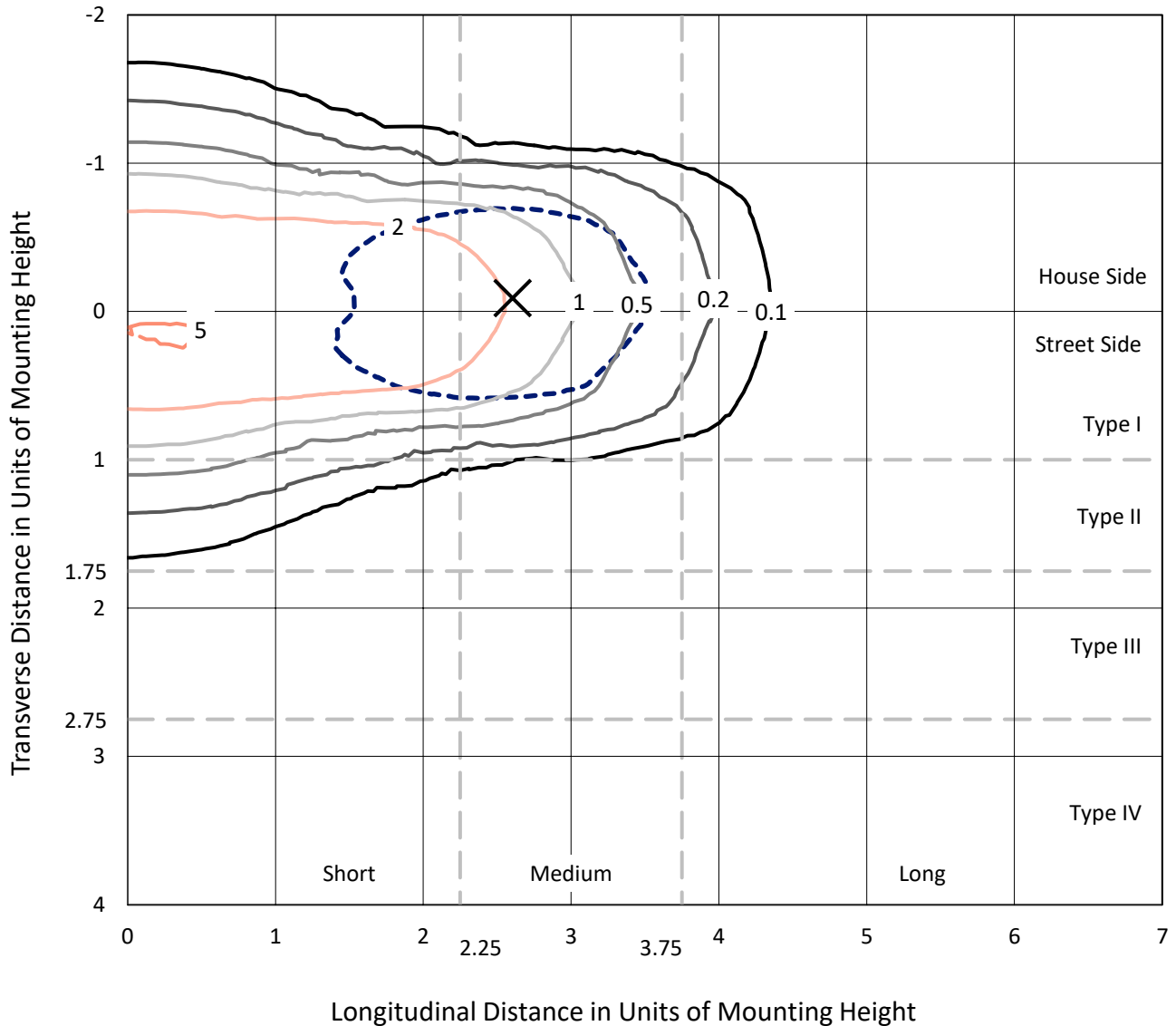
Lumens per Lamp: N/A
Luminaire Lumens: 6657.8 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

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

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Iso-Footcandle Lines of Horizontal Illumination

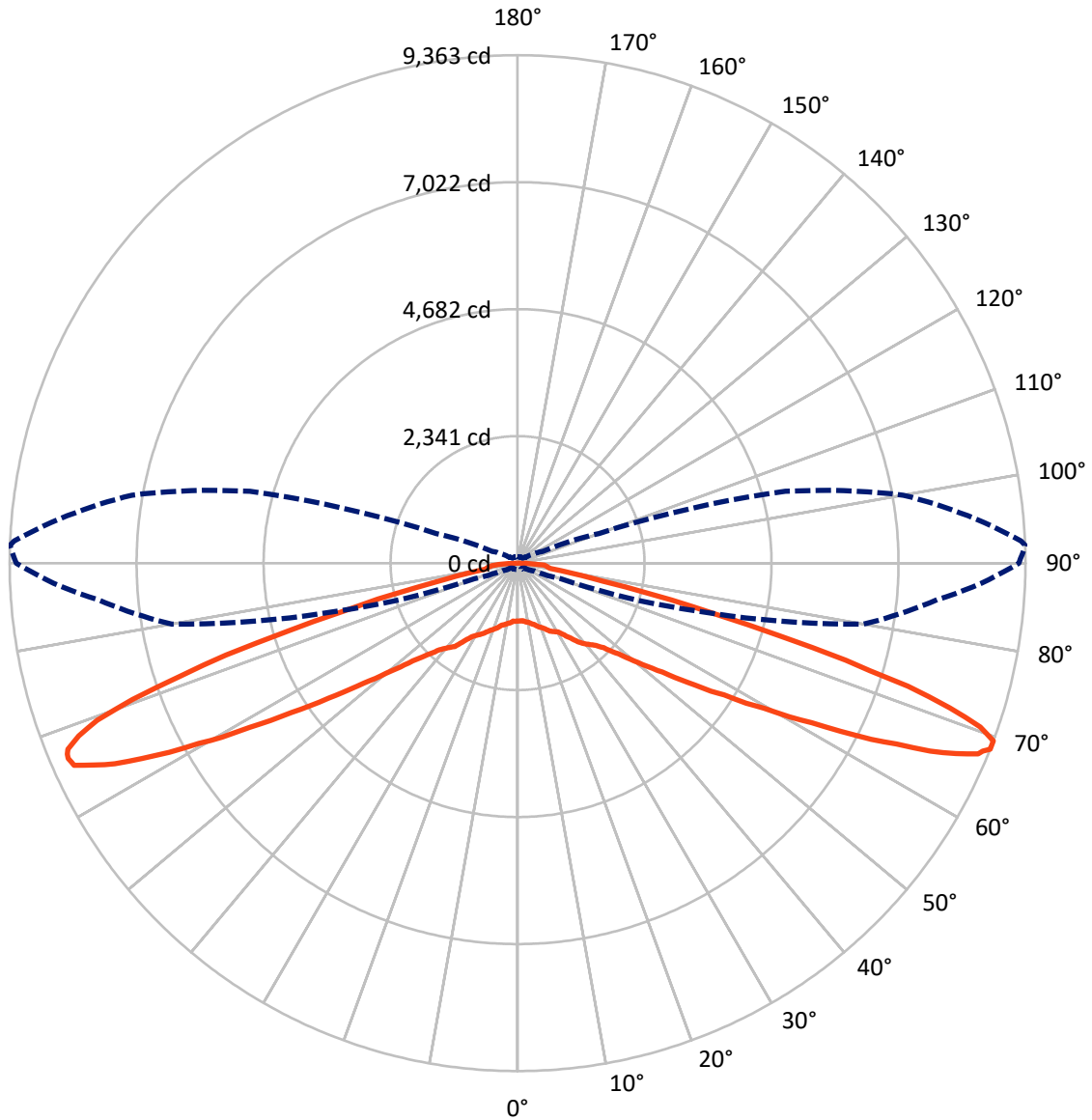
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.1 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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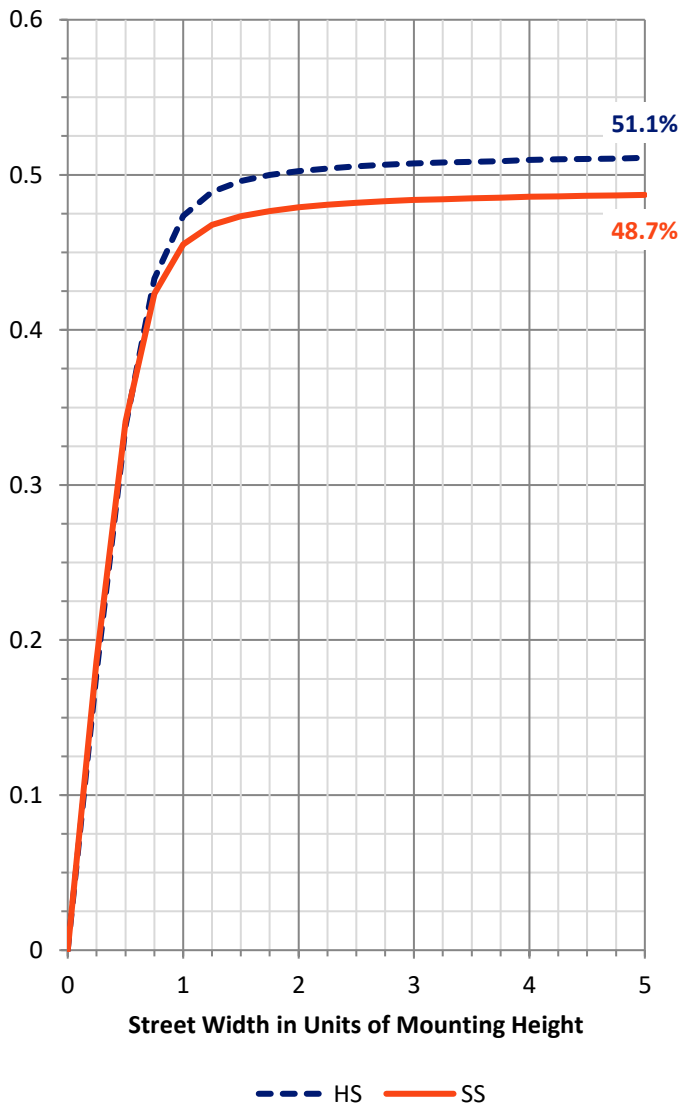
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3428.6	0.0	3428.6
	% Fixture	51.5	0.0	51.5
Street Side	Lumens	3229.1	0.0	3229.1
	% Fixture	48.5	0.0	48.5
Total	Lumens	6657.8	0.0	6657.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.6	1.6
10°-20°	345.4	5.2
20°-30°	589.4	8.9
30°-40°	823.0	12.4
40°-50°	1046.9	15.7
50°-60°	1323.6	19.9
60°-70°	1632.4	24.5
70°-80°	713.1	10.7
80°-90°	77.3	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°	6657.8	100.0
0°-180°	6657.8	100.0



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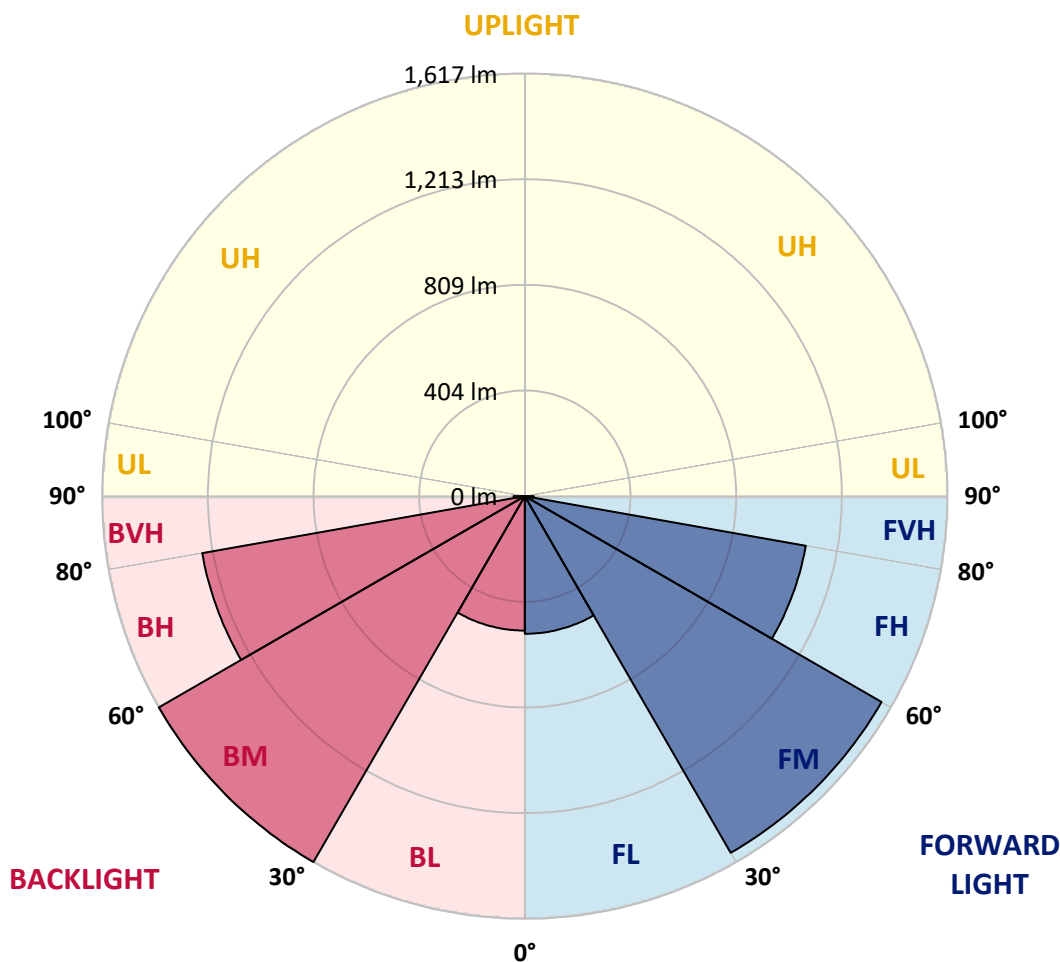
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	526.9	7.9			
FM (30°-60°)	1576.2	23.7			
FH (60°-80°)	1091.7	16.4			G1/1800
FVH (80°-90°)	34.3	0.5			G1/100
BL (0°-30°)	514.5	7.7	B2/1000		
BM (30°-60°)	1617.3	24.3	B2/2500		
BH (60°-80°)	1253.8	18.8	B3/2500		G3/2500
BVH (80°-90°)	43.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	1064.6	1064.6	1064.6	1064.6	1064.6	1064.6	1064.6	1064.6	1064.6	1064.6	1064.6
2.5°	1087.1	1085.9	1089.6	1092.1	1080.9	1084.6	1082.1	1079.6	1070.9	1067.1	1059.6
5°	1117.1	1120.9	1133.4	1122.1	1127.1	1120.9	1100.9	1107.1	1095.9	1093.4	1085.9
7.5°	1169.6	1162.1	1179.6	1167.1	1170.8	1158.3	1149.6	1138.4	1135.9	1118.4	1119.6
10°	1180.8	1195.8	1203.3	1200.8	1203.3	1209.6	1193.3	1175.8	1152.1	1147.1	1129.6
12.5°	1173.3	1187.1	1207.1	1223.3	1234.6	1237.1	1230.8	1227.1	1217.1	1188.3	1187.1
15°	1165.8	1155.8	1168.3	1224.6	1262.1	1287.1	1295.8	1274.6	1277.1	1239.6	1224.6
17.5°	1115.9	1100.9	1149.6	1204.6	1250.8	1305.8	1348.3	1342.0	1342.0	1312.0	1290.8
20°	1049.6	1074.6	1099.6	1169.6	1254.6	1337.0	1418.3	1414.5	1399.5	1390.8	1344.5
22.5°	993.4	1004.7	1050.9	1124.6	1230.8	1345.8	1442.0	1510.7	1475.7	1440.7	1413.3
25°	954.7	944.7	1003.4	1079.6	1208.3	1330.8	1487.0	1558.2	1577.0	1550.7	1498.2
27.5°	899.7	899.7	945.9	1018.4	1135.9	1323.3	1530.7	1639.4	1666.9	1628.2	1552.0
30°	837.2	844.7	884.7	967.2	1082.1	1268.3	1548.2	1733.1	1755.6	1721.9	1643.2
32.5°	788.5	788.5	833.5	920.9	1044.6	1243.3	1537.0	1825.6	1868.1	1843.1	1761.9
35°	736.0	732.2	764.7	861.0	984.7	1194.6	1533.2	1899.3	1994.3	1995.6	1910.6
37.5°	661.0	676.0	717.3	793.5	937.2	1147.1	1522.0	1988.1	2158.0	2186.7	2128.0
40°	611.0	617.3	654.8	738.5	863.4	1090.9	1505.7	2060.5	2266.7	2365.4	2284.2
42.5°	538.6	547.3	576.0	679.8	792.2	1010.9	1434.5	2111.8	2421.7	2534.1	2465.4
45°	462.3	467.3	509.8	594.8	716.0	915.9	1358.3	2194.2	2571.6	2801.5	2761.5
47.5°	371.1	373.6	409.9	498.6	624.8	821.0	1240.8	2190.5	2692.8	3068.9	3181.4
50°	289.9	296.1	323.6	396.1	514.8	704.8	1104.6	2160.5	2845.3	3373.8	3595.0
52.5°	231.2	232.4	249.9	307.4	397.4	588.5	958.4	2065.5	2989.0	3672.5	4102.3
55°	191.2	191.2	201.2	236.2	304.9	447.3	787.2	1908.1	3006.5	4002.4	4655.9
56°	183.7	181.2	189.9	219.9	274.9	403.6	707.3	1801.9	3031.4	4154.8	4933.3
57°	173.7	174.9	179.9	201.2	247.4	357.4	618.5	1698.2	3014.0	4279.8	5138.2
58°	168.7	166.2	176.2	189.9	218.7	317.4	557.3	1575.7	2986.5	4382.2	5436.9
59°	161.2	159.9	166.2	178.7	203.7	282.4	482.3	1443.2	2932.7	4514.7	5659.3
60°	158.7	157.4	159.9	169.9	187.4	247.4	424.9	1288.3	2789.0	4650.9	5935.4
61°	151.2	152.4	157.4	163.7	177.4	222.4	382.4	1129.6	2695.3	4765.8	6240.3
62°	152.4	149.9	152.4	157.4	167.4	204.9	334.9	973.4	2527.9	4895.8	6469.0
63°	144.9	143.7	147.4	153.7	158.7	184.9	292.4	841.0	2337.9	4925.8	6662.7
64°	142.5	141.2	142.5	151.2	152.4	173.7	258.7	718.5	2063.0	4977.0	6911.3
65°	136.2	136.2	138.7	142.5	147.4	163.7	231.2	623.5	1789.4	4842.1	6987.6
66°	131.2	132.5	132.5	138.7	142.5	152.4	212.4	529.8	1527.0	4627.1	7061.3
67°	127.5	127.5	128.7	133.7	137.5	143.7	191.2	458.6	1288.3	4371.0	6947.6
67.5°	125.0	126.2	126.2	131.2	135.0	143.7	182.4	434.8	1152.1	4089.8	6862.6
68°	121.2	122.5	122.5	127.5	131.2	138.7	176.2	397.4	1062.1	3907.4	6705.2
69°	118.7	117.5	117.5	122.5	127.5	132.5	163.7	347.4	844.7	3397.6	6475.2
70°	111.2	111.2	113.7	117.5	121.2	126.2	151.2	306.1	714.8	2812.8	5883.0
71°	107.5	106.2	107.5	111.2	115.0	121.2	138.7	271.2	584.8	2335.4	5300.7
72°	100.0	102.5	102.5	106.2	110.0	113.7	130.0	236.2	491.1	1866.9	4659.6
72.5°	98.7	98.7	100.0	103.7	106.2	112.5	125.0	226.2	448.6	1645.7	4391.0
73°	95.0	95.0	96.2	100.0	102.5	108.7	121.2	203.7	408.6	1464.5	3888.6
74°	91.2	90.0	90.0	95.0	96.2	102.5	113.7	179.9	342.4	1103.4	3121.4
75°	85.0	85.0	86.2	88.7	90.0	95.0	105.0	159.9	288.6	856.0	2441.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
77.5°	70.0	71.2	72.5	75.0	75.0	78.7	86.2	111.2	176.2	433.6	1120.9
80°	51.2	53.7	57.5	61.2	60.0	60.0	67.5	80.0	105.0	194.9	429.9
82.5°	41.2	43.7	40.0	45.0	45.0	42.5	48.7	58.7	71.2	96.2	153.7
85°	27.5	28.7	23.7	27.5	26.2	26.2	32.5	35.0	43.7	53.7	76.2
87.5°	12.5	12.5	10.0	11.2	11.2	11.2	16.2	12.5	18.7	26.2	45.0
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°	1064.6	1064.6	1064.6	1064.6	1064.6	1064.6	1064.6	1064.6	1064.6	1064.6	1064.6
2.5°	1067.1	1072.1	1072.1	1067.1	1063.4	1067.1	1064.6	1058.4	1064.6	1067.1	1068.4
5°	1082.1	1072.1	1077.1	1065.9	1073.4	1072.1	1069.6	1075.9	1077.1	1077.1	1085.9
7.5°	1098.4	1110.9	1094.6	1095.9	1099.6	1084.6	1089.6	1092.1	1087.1	1097.1	1104.6
10°	1127.1	1132.1	1127.1	1108.4	1120.9	1110.9	1107.1	1118.4	1115.9	1118.4	1129.6
12.5°	1153.3	1162.1	1148.4	1147.1	1140.9	1132.1	1137.1	1135.9	1153.3	1155.8	1169.6
15°	1207.1	1184.6	1179.6	1178.3	1175.8	1172.1	1174.6	1175.8	1198.3	1202.1	1234.6
17.5°	1253.3	1249.6	1222.1	1232.1	1232.1	1217.1	1210.8	1232.1	1249.6	1268.3	1290.8
20°	1300.8	1297.0	1267.1	1268.3	1257.1	1270.8	1263.3	1283.3	1313.3	1319.5	1339.5
22.5°	1357.0	1340.8	1319.5	1322.0	1325.8	1315.8	1310.8	1338.3	1368.3	1385.8	1387.0
25°	1445.7	1404.5	1387.0	1389.5	1384.5	1377.0	1380.8	1415.8	1430.8	1468.2	1460.7
27.5°	1493.2	1469.5	1457.0	1428.3	1429.5	1418.3	1433.3	1485.7	1515.7	1544.5	1487.0
30°	1550.7	1535.7	1480.7	1470.7	1469.5	1464.5	1492.0	1559.5	1604.4	1620.7	1538.2
32.5°	1663.2	1603.2	1589.4	1580.7	1560.7	1567.0	1580.7	1669.4	1740.6	1736.9	1585.7
35°	1791.9	1750.6	1711.9	1704.4	1701.9	1684.4	1708.2	1811.9	1866.9	1850.6	1603.2
37.5°	1998.1	1935.6	1883.1	1854.4	1849.4	1836.9	1893.1	1975.6	2046.8	1983.1	1616.9
40°	2099.3	2029.3	1980.6	1963.1	1966.8	1984.3	2039.3	2165.5	2196.7	2079.3	1628.2
42.5°	2244.2	2168.0	2071.8	2063.0	2051.8	2060.5	2166.7	2336.7	2362.9	2209.2	1585.7
45°	2501.6	2386.7	2275.5	2225.5	2228.0	2251.7	2416.7	2602.8	2554.1	2299.2	1518.2
47.5°	2826.5	2657.8	2567.9	2500.4	2532.9	2506.6	2769.0	2917.7	2751.5	2412.9	1435.8
50°	3315.1	3078.9	2956.5	2875.2	2889.0	2911.5	3177.6	3303.9	2970.2	2467.9	1309.5
52.5°	3931.1	3627.5	3447.6	3338.8	3348.8	3397.6	3741.2	3702.5	3220.1	2514.1	1140.9
55°	4668.4	4356.0	4007.4	3962.4	3951.1	4067.3	4446.0	4119.8	3445.1	2440.4	965.9
56°	5058.2	4725.9	4363.5	4271.0	4243.5	4324.7	4769.6	4328.5	3522.5	2357.9	882.2
57°	5389.4	5072.0	4674.6	4517.2	4552.2	4704.6	5090.7	4524.7	3593.7	2273.0	803.5
58°	5844.2	5481.8	5062.0	4942.0	4910.8	5032.0	5436.9	4722.1	3617.5	2185.5	731.0
59°	6297.8	5863.0	5484.3	5265.7	5274.4	5495.6	5778.0	4957.0	3653.7	2074.3	638.5
60°	6642.7	6424.0	5917.9	5754.2	5731.8	6051.6	6117.9	5114.5	3692.5	1924.3	573.6
61°	7131.3	6846.4	6375.3	6164.1	6225.3	6481.5	6485.2	5311.9	3635.0	1734.4	493.6
62°	7482.4	7407.4	6912.6	6711.4	6692.7	7032.6	6867.6	5485.6	3585.0	1554.5	436.1
63°	7893.5	7893.5	7442.4	7285.0	7293.7	7562.4	7033.8	5659.3	3527.5	1355.8	383.6
64°	8107.2	8375.8	7959.7	7738.6	7796.0	8028.5	7330.0	5773.0	3350.1	1154.6	337.4
65°	8292.1	8695.7	8464.6	8362.1	8274.6	8412.1	7586.1	5879.2	3078.9	982.2	299.9
66°	8448.3	8996.9	8920.6	8810.7	8801.9	8770.7	7636.1	5875.5	2799.0	829.7	262.4
67°	8369.6	9003.1	9141.8	9188.1	9174.3	8844.4	7548.6	5741.8	2440.4	701.0	233.7
67.5°	8298.4	8951.9	9274.3	9248.0	9305.5	8906.9	7563.6	5578.1	2185.5	634.8	219.9
68°	8235.9	8883.2	9328.0	9361.7	9333.0	8914.4	7481.1	5448.1	2011.8	596.0	207.4
69°	7762.3	8557.0	9241.8	9363.0	9289.3	8628.2	7218.7	5109.5	1598.2	508.6	191.2
70°	7287.5	8134.7	8823.2	9045.6	8954.4	8074.7	6887.6	4570.9	1318.3	434.8	172.4
71°	6630.2	7349.9	8265.9	8399.6	8289.6	7444.9	6202.8	4002.4	1025.9	368.6	153.7
72°	5738.0	6349.0	7223.7	7547.4	7384.9	6539.0	5510.6	3307.6	831.0	309.9	140.0
72.5°	5295.7	5921.7	6765.1	6791.4	6822.6	6145.4	5216.9	2905.2	724.7	287.4	136.2
73°	4875.8	5489.3	6219.1	6311.6	6179.1	5481.8	4778.3	2597.8	662.3	262.4	131.2
74°	3951.1	4301.0	4905.8	4995.8	4879.6	4469.7	3904.9	1991.8	527.3	226.2	120.0
75°	3108.9	3301.4	3848.7	3793.7	3620.0	3476.3	3027.7	1522.0	427.4	198.7	111.2



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CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
77.5°	1397.0	1513.2	1604.4	1604.4	1614.4	1540.7	1395.8	698.5	263.7	143.7	91.2
80°	532.3	596.0	616.0	617.3	626.0	648.5	603.5	343.6	156.2	102.5	73.7
82.5°	386.1	539.8	581.0	551.1	553.6	499.8	231.2	152.4	98.7	71.2	53.7
85°	349.9	469.8	497.3	493.6	494.8	462.3	136.2	75.0	57.5	45.0	37.5
87.5°	169.9	166.2	176.2	198.7	193.7	251.2	115.0	37.5	25.0	18.7	18.7
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: P672978

CATALOG NUMBER: CCP-SA-1E-740-U-T1

CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
0°	1064.6	1064.6	1064.6	1064.6	1064.6	1064.6
2.5°	1058.4	1057.1	1074.6	1057.1	1067.1	1059.6
5°	1070.9	1075.9	1079.6	1087.1	1069.6	1087.1
7.5°	1108.4	1113.4	1114.6	1120.9	1113.4	1112.1
10°	1137.1	1149.6	1157.1	1132.1	1147.1	1145.9
12.5°	1193.3	1180.8	1179.6	1174.6	1160.8	1155.8
15°	1233.3	1214.6	1203.3	1183.3	1167.1	1160.8
17.5°	1289.6	1253.3	1207.1	1165.8	1137.1	1114.6
20°	1324.5	1259.6	1167.1	1118.4	1074.6	1084.6
22.5°	1347.0	1253.3	1130.9	1068.4	1024.6	1037.1
25°	1354.5	1222.1	1105.9	1028.4	985.9	977.2
27.5°	1333.3	1185.8	1057.1	969.7	932.2	939.7
30°	1323.3	1133.4	1012.1	925.9	875.9	883.4
32.5°	1297.0	1079.6	952.2	864.7	828.5	816.0
35°	1259.6	1034.6	894.7	812.2	768.5	758.5
37.5°	1213.3	978.4	844.7	744.7	706.0	698.5
40°	1144.6	910.9	772.2	686.0	641.0	639.8
42.5°	1084.6	846.0	704.8	616.0	571.1	573.6
45°	1008.4	758.5	627.3	551.1	506.1	508.6
47.5°	910.9	677.3	553.6	468.6	431.1	428.6
50°	796.0	584.8	463.6	391.1	359.9	353.6
52.5°	686.0	491.1	379.9	314.9	288.6	286.2
55°	547.3	382.4	296.1	247.4	227.4	228.7
56°	497.3	352.4	269.9	226.2	211.2	211.2
57°	449.8	312.4	244.9	208.7	194.9	194.9
58°	397.4	274.9	222.4	188.7	182.4	177.4
59°	361.1	249.9	201.2	178.7	168.7	167.4
60°	318.6	224.9	187.4	167.4	159.9	158.7
61°	282.4	202.4	172.4	156.2	153.7	153.7
62°	252.4	187.4	159.9	151.2	149.9	146.2
63°	226.2	172.4	153.7	143.7	140.0	143.7
64°	202.4	158.7	148.7	141.2	136.2	138.7
65°	183.7	152.4	142.5	137.5	132.5	133.7
66°	171.2	142.5	137.5	131.2	128.7	130.0
67°	154.9	137.5	132.5	126.2	125.0	126.2
67.5°	149.9	133.7	130.0	123.7	122.5	123.7
68°	146.2	131.2	128.7	122.5	121.2	120.0
69°	136.2	126.2	122.5	120.0	117.5	116.2
70°	127.5	121.2	118.7	115.0	112.5	111.2
71°	122.5	115.0	113.7	110.0	107.5	106.2
72°	116.2	111.2	108.7	103.7	102.5	103.7
72.5°	115.0	108.7	107.5	102.5	101.2	101.2
73°	111.2	103.7	105.0	100.0	97.5	100.0
74°	103.7	101.2	98.7	95.0	93.7	93.7
75°	97.5	95.0	92.5	90.0	90.0	90.0



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	135°	145°	155°	165°	175°	180°
77.5°	82.5	81.2	82.5	77.5	76.2	75.0
80°	66.2	66.2	67.5	63.7	61.2	60.0
82.5°	50.0	51.2	53.7	50.0	47.5	45.0
85°	32.5	33.7	33.7	30.0	35.0	32.5
87.5°	16.2	17.5	16.2	15.0	17.5	17.5
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)