

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: P673106

Luminaire Tested: **CCP-SA-2E-730-U-T2-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673106  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-730-U-T2-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T2 distribution lens and House Side Shield  
Light Source: (32) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9612.4 lumens  
Efficiency: N/A  
Efficacy: 90.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

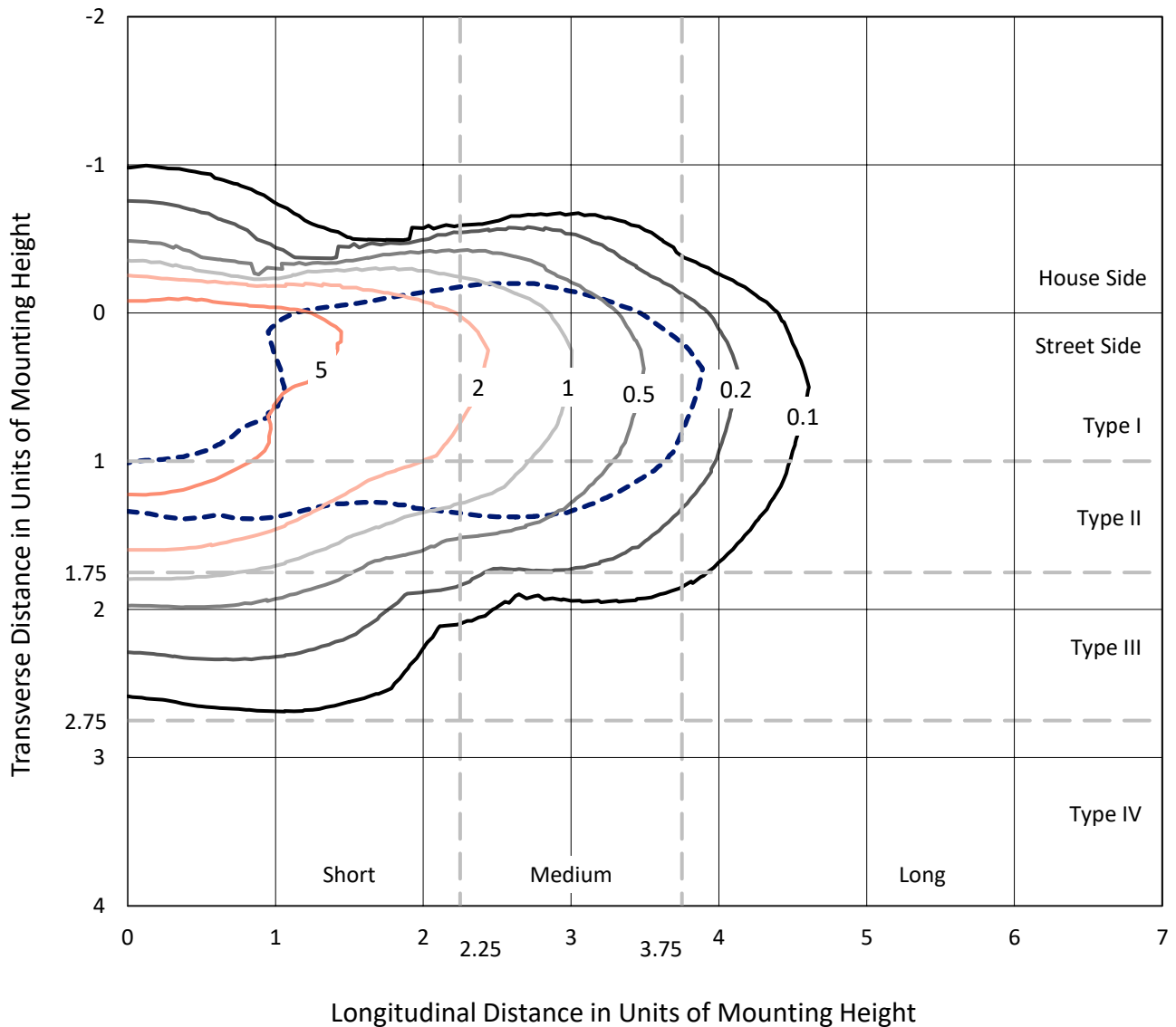
Input Watts (W): 106.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

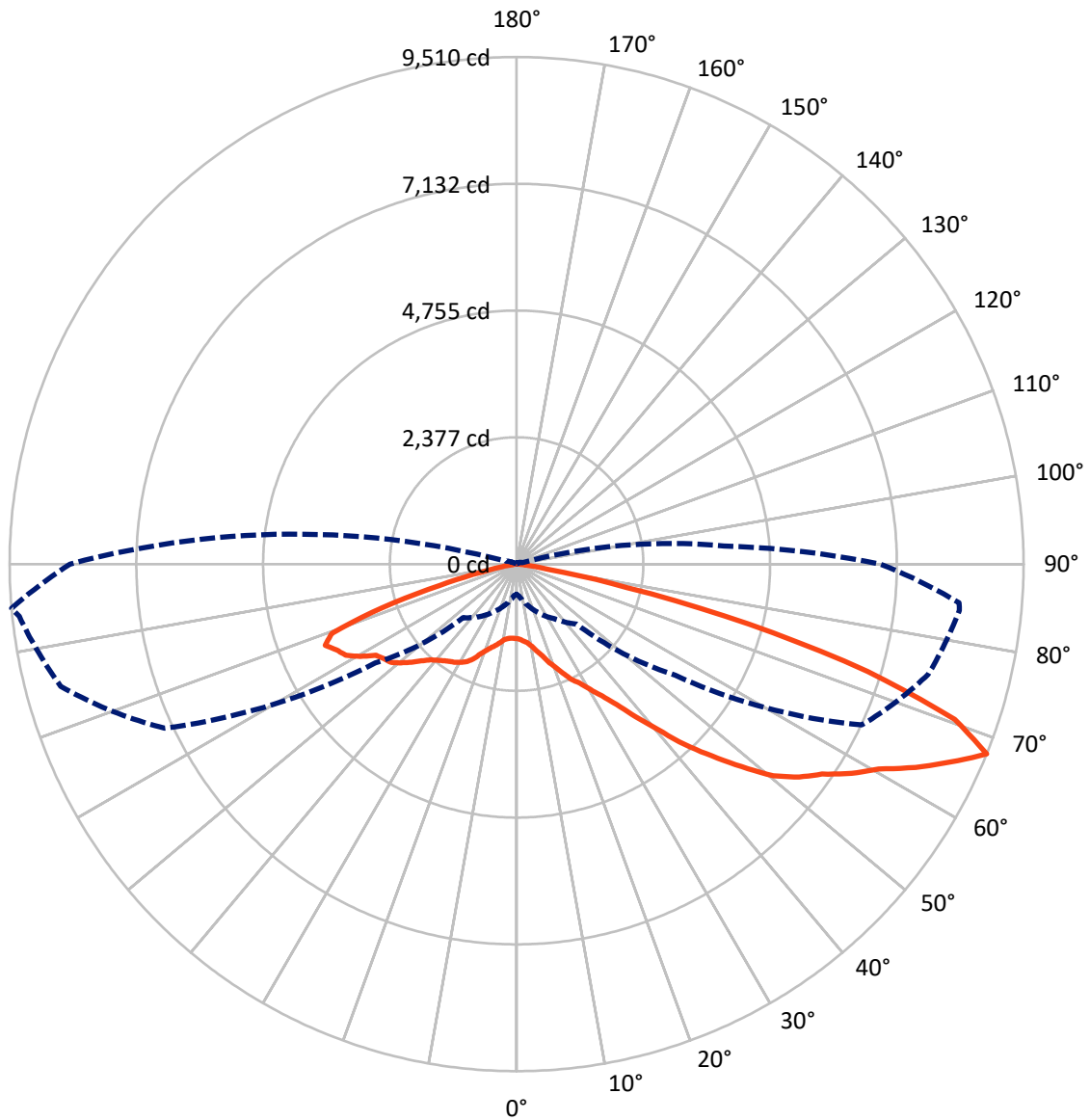
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 275-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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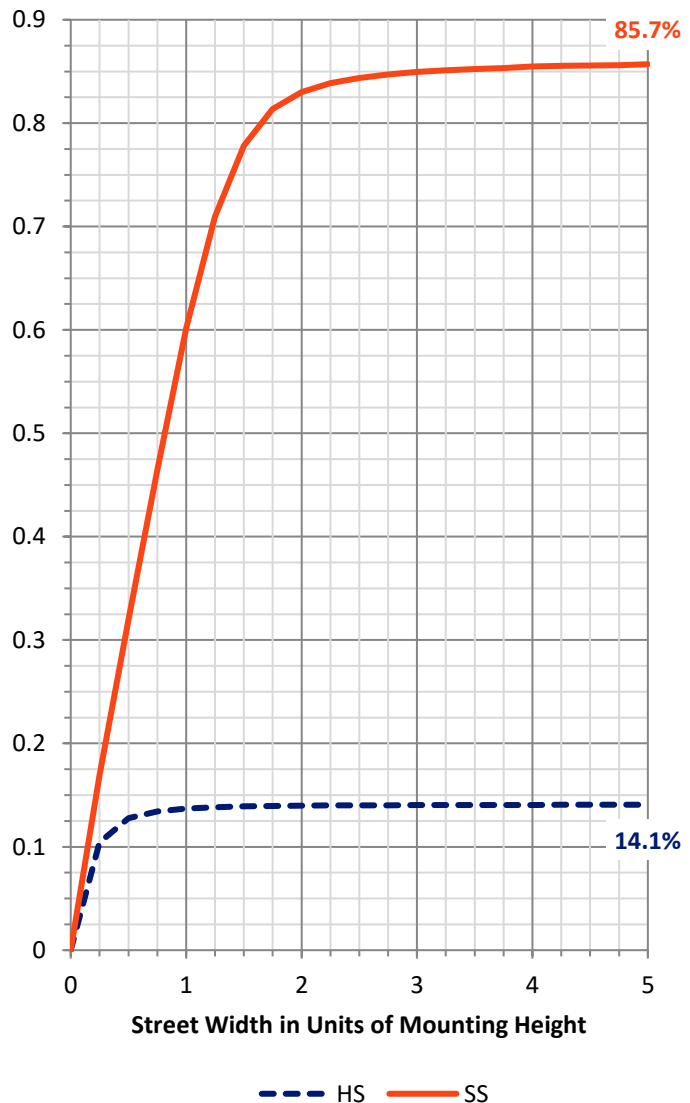
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1365.6	0.0	1365.6
	% Fixture	14.2	0.0	14.2
<b>Street Side</b>	Lumens	8246.8	0.0	8246.8
	% Fixture	85.8	0.0	85.8
<b>Total</b>	Lumens	9612.4	0.0	9612.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.4	1.3
10°-20°	342.7	3.6
20°-30°	569.2	5.9
30°-40°	979.3	10.2
40°-50°	1759.7	18.3
50°-60°	2505.2	26.1
60°-70°	2283.9	23.8
70°-80°	972.5	10.1
80°-90°	72.4	0.8
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°	9612.4	100.0
0°-180°	9612.4	100.0



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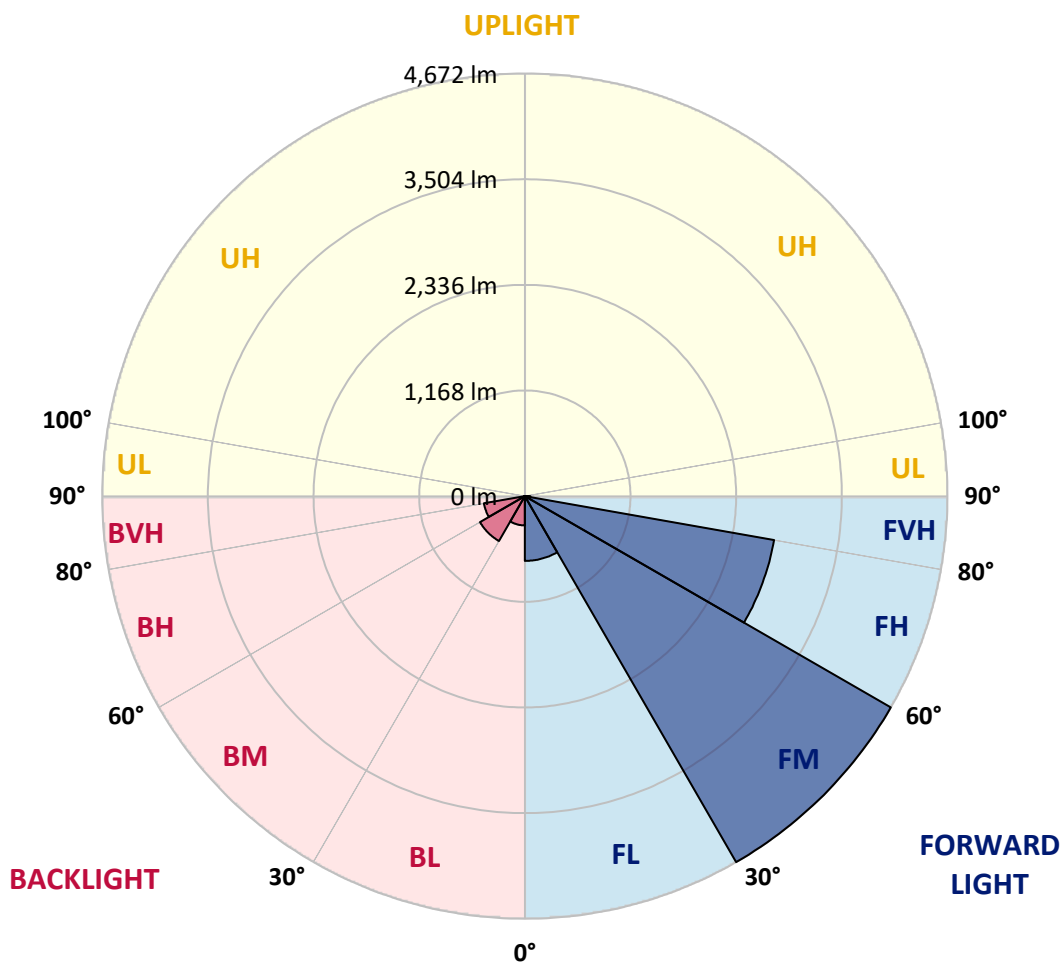
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	716.1	7.4			
FM (30°-60°)	4671.6	48.6			
FH (60°-80°)	2797.6	29.1			G2/5000
FVH (80°-90°)	61.5	0.6			G1/100
BL (0°-30°)	323.3	3.4	B1/500		
BM (30°-60°)	572.5	6.0	B1/1000		
BH (60°-80°)	458.9	4.8	B1/500		G1/500
BVH (80°-90°)	10.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	1397.8	1397.8	1397.8	1397.8	1397.8	1397.8	1397.8	1397.8	1397.8	1397.8	1397.8
2.5°	1448.2	1461.9	1461.9	1457.4	1443.6	1434.4	1429.9	1420.7	1411.5	1411.5	1416.1
5°	1461.9	1448.2	1466.5	1443.6	1443.6	1443.6	1461.9	1452.8	1448.2	1425.3	1425.3
7.5°	1461.9	1448.2	1448.2	1461.9	1448.2	1457.4	1480.3	1471.1	1489.4	1448.2	1457.4
10°	1420.7	1416.1	1425.3	1443.6	1448.2	1466.5	1489.4	1535.3	1539.9	1512.4	1507.8
12.5°	1338.2	1333.6	1365.7	1374.9	1429.9	1475.7	1544.4	1581.1	1622.3	1608.6	1581.1
15°	1278.6	1287.8	1310.7	1347.4	1397.8	1480.3	1558.2	1640.7	1714.0	1695.7	1686.5
17.5°	1301.5	1297.0	1301.5	1324.5	1388.6	1471.1	1604.0	1700.3	1805.7	1805.7	1814.8
20°	1370.3	1384.0	1379.5	1365.7	1397.8	1466.5	1604.0	1773.6	1947.7	1934.0	1934.0
22.5°	1489.4	1494.0	1466.5	1457.4	1452.8	1494.0	1631.5	1865.2	2066.9	2094.4	2085.2
25°	1613.2	1617.8	1608.6	1581.1	1544.4	1553.6	1681.9	1938.6	2231.9	2277.7	2268.5
27.5°	1819.4	1814.8	1791.9	1759.8	1704.8	1663.6	1759.8	1993.6	2360.2	2438.1	2415.2
30°	2025.6	2011.9	1979.8	1938.6	1888.2	1810.2	1856.1	2099.0	2520.6	2593.9	2543.5
32.5°	2277.7	2250.2	2259.4	2195.2	2089.8	1966.1	1956.9	2195.2	2648.9	2754.3	2713.1
35°	2598.5	2566.4	2520.6	2461.0	2360.2	2195.2	2144.8	2351.0	2864.3	2942.2	2942.2
37.5°	3020.1	3052.2	2997.2	2749.7	2639.8	2483.9	2378.5	2511.4	3052.2	3240.1	3194.3
40°	3450.9	3478.4	3377.6	3194.3	2956.0	2763.5	2699.3	2772.7	3336.4	3560.9	3473.8
42.5°	3799.2	3835.9	3799.2	3560.9	3373.0	3125.5	3011.0	3079.7	3703.0	3973.4	3858.8
45°	4165.9	4202.5	4161.3	4005.5	3822.1	3680.1	3391.3	3478.4	4087.9	4491.2	4362.9
47.5°	4440.8	4486.7	4413.3	4381.3	4234.6	4211.7	3721.3	3817.6	4491.2	5013.7	4853.3
50°	4505.0	4555.4	4619.6	4656.2	4605.8	4660.8	4165.9	4248.3	4912.9	5494.9	5339.1
52.5°	4353.8	4404.2	4546.2	4715.8	4949.5	5114.5	4615.0	4683.7	5352.8	5893.6	5811.1
55°	3909.2	3955.0	4243.8	4472.9	5032.0	5302.4	5045.8	5334.5	5669.0	6310.7	6109.0
57.5°	3162.2	3217.2	3597.6	3950.5	4757.1	5197.0	5302.4	5875.3	6191.5	6617.7	6384.0
60°	2245.6	2277.7	2607.7	3230.9	3996.3	4670.0	5252.0	6278.6	6604.0	7030.2	6906.4
62.5°	1292.4	1319.9	1663.6	2250.2	3015.5	3900.0	5027.4	6659.0	7048.5	7483.9	7415.1
65°	857.0	866.2	1099.9	1420.7	1961.5	2873.5	4459.2	6998.1	7488.5	7845.9	7768.0
67.5°	563.7	614.1	797.4	1017.4	1255.7	1590.3	3634.2	7140.2	7992.6	8350.0	8331.7
70°	403.3	421.6	572.9	783.7	944.1	893.7	2126.5	6136.5	7969.7	8487.5	8336.3
72.5°	238.3	256.6	380.4	586.6	742.4	568.3	994.5	4340.0	6604.0	6773.5	6732.3
75°	174.2	174.2	233.7	421.6	540.8	407.9	467.5	2745.2	4385.8	4761.6	4757.1
77.5°	123.7	128.3	160.4	252.1	417.0	297.9	256.6	1526.1	2396.9	2621.4	2497.7
80°	73.3	77.9	110.0	151.2	302.5	215.4	169.6	696.6	921.2	930.3	884.5
82.5°	55.0	55.0	73.3	105.4	210.8	146.7	105.4	265.8	297.9	270.4	229.1
85°	32.1	27.5	55.0	77.9	123.7	82.5	73.3	123.7	137.5	100.8	91.7
87.5°	9.2	9.2	22.9	27.5	55.0	45.8	32.1	45.8	64.2	36.7	27.5
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1397.8	1397.8	1397.8	1397.8	1397.8	1397.8	1397.8	1397.8	1397.8	1397.8	1397.8
2.5°	1407.0	1393.2	1370.3	1361.1	1329.0	1315.3	1306.1	1283.2	1287.8	1274.0	1274.0
5°	1393.2	1393.2	1347.4	1297.0	1246.5	1214.5	1177.8	1132.0	1132.0	1113.6	1118.2
7.5°	1443.6	1407.0	1347.4	1255.7	1173.2	1099.9	1067.8	1022.0	994.5	980.7	980.7
10°	1475.7	1439.0	1338.2	1228.2	1122.8	1031.2	962.4	898.2	861.6	861.6	857.0
12.5°	1562.8	1507.8	1374.9	1223.6	1067.8	930.3	824.9	751.6	701.2	664.5	673.7
15°	1636.1	1576.5	1393.2	1187.0	971.6	779.1	650.8	513.3	444.5	407.9	394.1
17.5°	1750.7	1640.7	1434.4	1122.8	824.9	609.5	421.6	307.1	279.6	275.0	275.0
20°	1846.9	1718.6	1439.0	999.1	678.3	389.5	270.4	252.1	238.3	233.7	229.1
22.5°	1979.8	1819.4	1420.7	857.0	485.8	261.2	229.1	210.8	201.6	187.9	187.9
25°	2117.3	1952.3	1384.0	724.1	297.9	224.6	201.6	183.3	165.0	155.8	160.4
27.5°	2264.0	2053.1	1278.6	563.7	229.1	197.1	165.0	151.2	142.1	137.5	137.5
30°	2383.1	2117.3	1122.8	375.8	206.2	174.2	146.7	132.9	123.7	119.2	119.2
32.5°	2470.2	2172.3	948.7	252.1	187.9	155.8	132.9	119.2	110.0	105.4	105.4
35°	2616.8	2213.5	788.3	215.4	169.6	137.5	114.6	105.4	96.2	96.2	96.2
37.5°	2841.4	2268.5	627.9	197.1	155.8	123.7	110.0	96.2	91.7	87.1	87.1
40°	3038.5	2337.3	449.1	178.7	142.1	114.6	96.2	87.1	82.5	77.9	77.9
42.5°	3322.6	2415.2	293.3	160.4	128.3	105.4	87.1	77.9	73.3	68.7	68.7
45°	3684.7	2543.5	229.1	142.1	114.6	96.2	82.5	73.3	64.2	64.2	59.6
47.5°	4069.6	2699.3	206.2	132.9	105.4	87.1	73.3	64.2	59.6	55.0	55.0
50°	4427.1	2850.6	192.5	123.7	96.2	82.5	68.7	59.6	50.4	45.8	45.8
52.5°	4747.9	2992.6	183.3	114.6	91.7	73.3	59.6	50.4	45.8	41.2	41.2
55°	4917.5	3056.8	178.7	110.0	82.5	68.7	55.0	45.8	41.2	36.7	36.7
57.5°	5183.3	3139.3	174.2	105.4	77.9	59.6	50.4	41.2	36.7	32.1	32.1
60°	5614.1	3409.7	169.6	100.8	73.3	59.6	45.8	36.7	27.5	22.9	22.9
62.5°	5971.5	3634.2	151.2	87.1	64.2	50.4	36.7	27.5	18.3	13.7	13.7
65°	6379.4	3739.6	132.9	77.9	55.0	41.2	27.5	18.3	13.7	4.6	4.6
67.5°	6823.9	3900.0	110.0	68.7	50.4	32.1	22.9	13.7	4.6	0.0	0.0
70°	6590.2	3698.4	91.7	59.6	45.8	27.5	18.3	9.2	0.0	0.0	0.0
72.5°	5164.9	2648.9	73.3	55.0	41.2	27.5	18.3	4.6	0.0	0.0	0.0
75°	3450.9	1498.6	64.2	45.8	32.1	22.9	13.7	4.6	0.0	0.0	0.0
77.5°	1874.4	673.7	55.0	41.2	27.5	18.3	13.7	4.6	0.0	0.0	0.0
80°	609.5	265.8	45.8	36.7	27.5	18.3	13.7	4.6	0.0	0.0	0.0
82.5°	165.0	82.5	45.8	36.7	27.5	18.3	13.7	4.6	0.0	0.0	0.0
85°	68.7	55.0	45.8	36.7	27.5	18.3	13.7	4.6	0.0	0.0	0.0
87.5°	27.5	18.3	18.3	22.9	18.3	13.7	9.2	4.6	0.0	0.0	0.0
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1397.8	1397.8	1397.8	1397.8	1397.8	1397.8	1397.8	1397.8	1397.8	1397.8	1397.8
2.5°	1278.6	1287.8	1292.4	1292.4	1315.3	1338.2	1365.7	1388.6	1388.6	1402.4	1416.1
5°	1122.8	1132.0	1145.7	1187.0	1232.8	1283.2	1333.6	1370.3	1420.7	1443.6	1457.4
7.5°	994.5	1003.7	1040.3	1081.6	1145.7	1232.8	1319.9	1402.4	1452.8	1475.7	1494.0
10°	861.6	875.3	916.6	989.9	1072.4	1177.8	1278.6	1420.7	1503.2	1549.0	1567.4
12.5°	669.1	705.8	760.8	838.7	944.1	1104.5	1292.4	1439.0	1581.1	1636.1	1672.8
15°	421.6	453.7	540.8	664.5	806.6	994.5	1255.7	1466.5	1663.6	1718.6	1778.2
17.5°	270.4	275.0	302.5	435.4	618.7	857.0	1200.7	1507.8	1755.3	1833.2	1924.8
20°	229.1	238.3	242.9	261.2	412.5	705.8	1086.1	1558.2	1865.2	1970.6	2057.7
22.5°	192.5	197.1	206.2	220.0	247.5	513.3	930.3	1558.2	1961.5	2117.3	2218.1
25°	155.8	165.0	174.2	187.9	215.4	320.8	769.9	1530.7	2076.1	2268.5	2396.9
27.5°	137.5	137.5	146.7	160.4	183.3	224.6	609.5	1448.2	2163.1	2360.2	2529.8
30°	119.2	123.7	128.3	142.1	165.0	197.1	421.6	1315.3	2254.8	2538.9	2731.4
32.5°	105.4	105.4	114.6	123.7	146.7	178.7	270.4	1113.6	2373.9	2676.4	2946.8
35°	96.2	96.2	100.8	110.0	132.9	160.4	210.8	944.1	2516.0	2937.6	3235.5
37.5°	87.1	87.1	91.7	100.8	119.2	142.1	192.5	811.2	2662.7	3198.9	3634.2
40°	77.9	77.9	82.5	91.7	105.4	128.3	174.2	655.4	2846.0	3583.8	4069.6
42.5°	68.7	68.7	73.3	82.5	96.2	114.6	151.2	490.4	3088.9	4000.9	4633.3
45°	59.6	59.6	64.2	73.3	82.5	105.4	137.5	375.8	3354.7	4463.7	5128.3
47.5°	50.4	55.0	59.6	68.7	77.9	96.2	123.7	330.0	3615.9	4954.1	5678.2
50°	45.8	45.8	50.4	59.6	73.3	87.1	114.6	325.4	3881.7	5329.9	6241.9
52.5°	41.2	41.2	45.8	55.0	68.7	82.5	110.0	334.6	4101.7	5678.2	6636.0
55°	36.7	36.7	41.2	45.8	59.6	77.9	100.8	343.7	4257.5	6031.1	6952.3
57.5°	32.1	32.1	36.7	45.8	55.0	68.7	91.7	352.9	4509.6	6379.4	7410.6
60°	22.9	22.9	32.1	41.2	50.4	59.6	87.1	362.0	4912.9	6860.6	7800.1
62.5°	13.7	13.7	18.3	32.1	41.2	55.0	77.9	343.7	5288.7	7479.3	8395.9
65°	4.6	9.2	13.7	18.3	32.1	45.8	64.2	311.6	5604.9	8098.0	8945.8
67.5°	0.0	0.0	4.6	13.7	27.5	36.7	55.0	229.1	5655.3	8377.5	9509.5
70°	0.0	0.0	4.6	13.7	22.9	36.7	50.4	128.3	4816.6	7483.9	8716.7
72.5°	0.0	0.0	0.0	9.2	22.9	32.1	45.8	96.2	3551.7	5641.6	6888.1
75°	0.0	0.0	0.0	4.6	18.3	27.5	41.2	73.3	2158.5	3762.6	4495.8
77.5°	0.0	0.0	0.0	4.6	13.7	27.5	41.2	64.2	760.8	1791.9	2112.7
80°	0.0	0.0	0.0	9.2	18.3	27.5	36.7	55.0	183.3	449.1	604.9
82.5°	0.0	0.0	0.0	4.6	13.7	22.9	32.1	45.8	73.3	132.9	210.8
85°	0.0	0.0	0.0	4.6	9.2	22.9	32.1	41.2	50.4	64.2	91.7
87.5°	0.0	0.0	0.0	0.0	4.6	9.2	13.7	18.3	18.3	18.3	32.1
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: P673106  
 CATALOG NUMBER: CCP-SA-2E-730-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

	276°	285°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1397.8	1397.8	1397.8	1397.8	1397.8	1397.8	1397.8	1397.8	1397.8	1397.8
2.5°	1411.5	1429.9	1439.0	1457.4	1466.5	1461.9	1457.4	1471.1	1461.9	1448.2
5°	1461.9	1461.9	1475.7	1480.3	1480.3	1466.5	1475.7	1471.1	1461.9	1461.9
7.5°	1516.9	1539.9	1539.9	1512.4	1507.8	1498.6	1498.6	1461.9	1448.2	1461.9
10°	1571.9	1590.3	1594.8	1562.8	1521.5	1503.2	1480.3	1434.4	1411.5	1420.7
12.5°	1686.5	1686.5	1636.1	1599.4	1544.4	1480.3	1425.3	1361.1	1329.0	1338.2
15°	1769.0	1787.3	1718.6	1636.1	1539.9	1420.7	1361.1	1310.7	1292.4	1278.6
17.5°	1929.4	1892.7	1782.7	1663.6	1526.1	1402.4	1361.1	1315.3	1301.5	1301.5
20°	2066.9	2048.6	1883.6	1668.2	1521.5	1439.0	1411.5	1388.6	1384.0	1370.3
22.5°	2254.8	2172.3	1961.5	1718.6	1571.9	1498.6	1489.4	1512.4	1498.6	1489.4
25°	2396.9	2328.1	2021.1	1791.9	1649.8	1626.9	1640.7	1663.6	1626.9	1613.2
27.5°	2589.3	2461.0	2135.6	1888.2	1755.3	1778.2	1824.0	1828.6	1805.7	1819.4
30°	2768.1	2630.6	2222.7	1998.1	1934.0	1956.9	2025.6	2076.1	2044.0	2025.6
32.5°	3024.7	2813.9	2396.9	2181.5	2158.5	2218.1	2296.0	2328.1	2286.9	2277.7
35°	3295.1	3024.7	2575.6	2387.7	2428.9	2511.4	2580.2	2635.2	2571.0	2598.5
37.5°	3716.7	3363.8	2878.1	2713.1	2731.4	2763.5	2891.8	3043.0	3075.1	3020.1
40°	4156.7	3730.5	3157.6	3029.3	3070.5	3157.6	3308.9	3450.9	3524.3	3450.9
42.5°	4665.4	4083.4	3588.4	3437.2	3478.4	3602.2	3803.8	3918.4	3909.2	3799.2
45°	5293.3	4573.7	3991.7	3803.8	3955.0	4065.0	4266.7	4280.4	4193.4	4165.9
47.5°	5774.5	4986.2	4427.1	4307.9	4514.2	4518.7	4564.6	4569.2	4472.9	4440.8
50°	6306.1	5462.8	4912.9	4738.7	5087.0	4926.6	4802.9	4720.4	4573.7	4505.0
52.5°	6828.5	5802.0	5362.0	5183.3	5545.3	5119.1	4894.5	4642.5	4427.1	4353.8
55°	7108.1	6361.1	6017.3	5600.3	5646.1	5174.1	4610.4	4294.2	3927.5	3909.2
57.5°	7438.0	6736.9	6571.9	5884.4	5476.6	4789.1	4019.2	3602.2	3208.0	3162.2
60°	7827.6	7332.6	7158.5	5838.6	4876.2	4023.8	3185.1	2648.9	2277.7	2245.6
62.5°	8263.0	8038.4	7520.5	5389.5	3872.6	2832.2	2103.6	1654.4	1310.7	1292.4
65°	8950.4	8629.6	7713.0	4537.1	2561.8	1814.8	1397.8	1072.4	866.2	857.0
67.5°	9381.2	8854.2	7282.2	3235.5	1420.7	1200.7	980.7	779.1	600.4	563.7
70°	8771.7	8125.5	5760.7	1851.5	824.9	912.0	756.2	522.5	412.5	403.3
72.5°	7007.3	6031.1	3877.1	870.8	513.3	714.9	549.9	352.9	247.5	238.3
75°	4780.0	3794.6	2433.5	403.3	362.0	522.5	403.3	206.2	174.2	174.2
77.5°	2135.6	1934.0	1246.5	247.5	270.4	398.7	233.7	142.1	128.3	123.7
80°	650.8	682.9	508.7	169.6	201.6	302.5	142.1	96.2	77.9	73.3
82.5°	220.0	256.6	229.1	100.8	137.5	215.4	96.2	64.2	55.0	55.0
85°	105.4	128.3	114.6	64.2	73.3	105.4	77.9	50.4	32.1	32.1
87.5°	41.2	59.6	41.2	27.5	41.2	55.0	32.1	22.9	9.2	9.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)