

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: P671699

Luminaire Tested: **CCP-SA-2E-750-U-SLL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671699
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-750-U-SLL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ SLL distribution lens
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

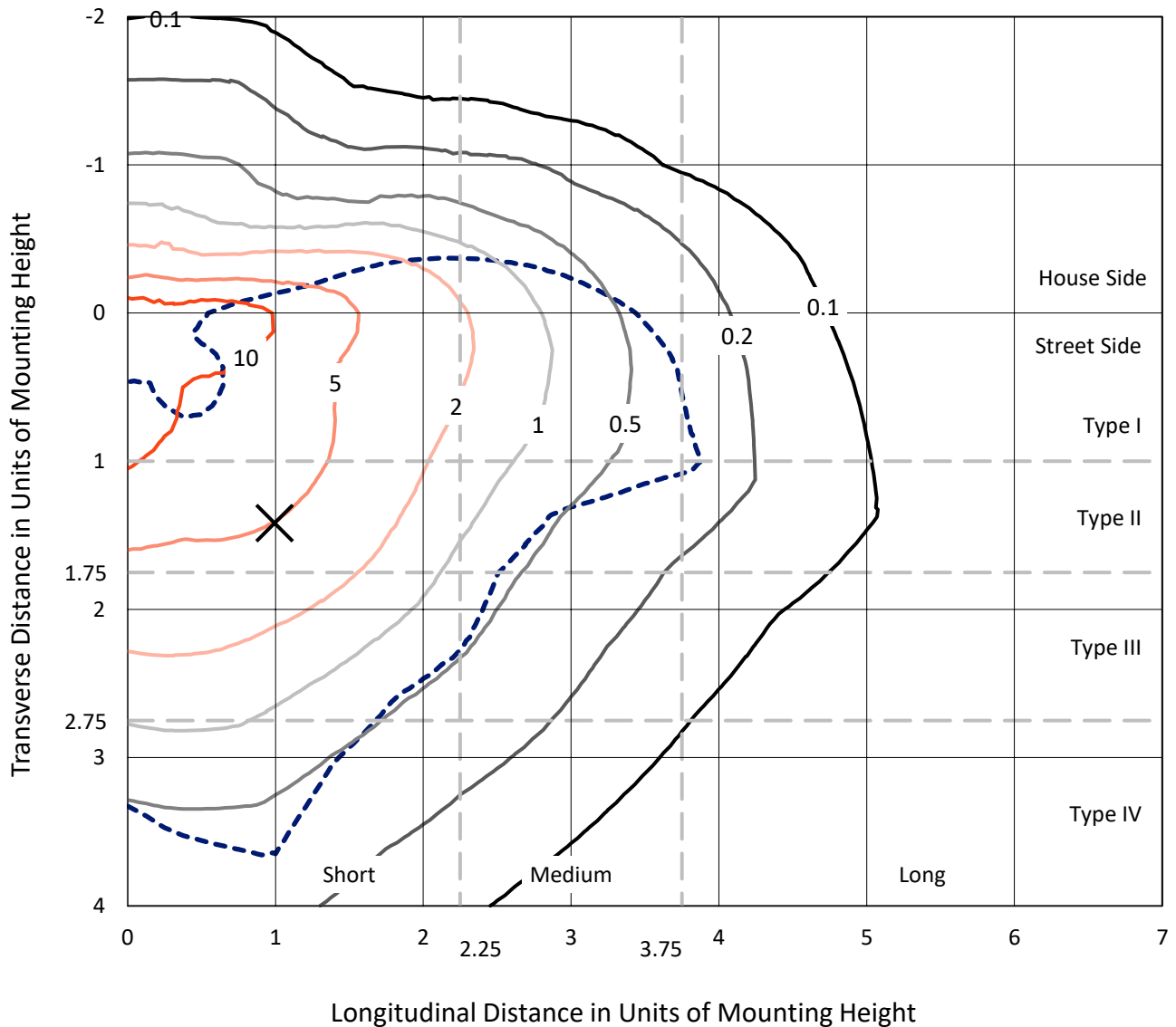
Lumens per Lamp: N/A
Luminaire Lumens: 11604.7 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

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

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Iso-Footcandle Lines of Horizontal Illumination

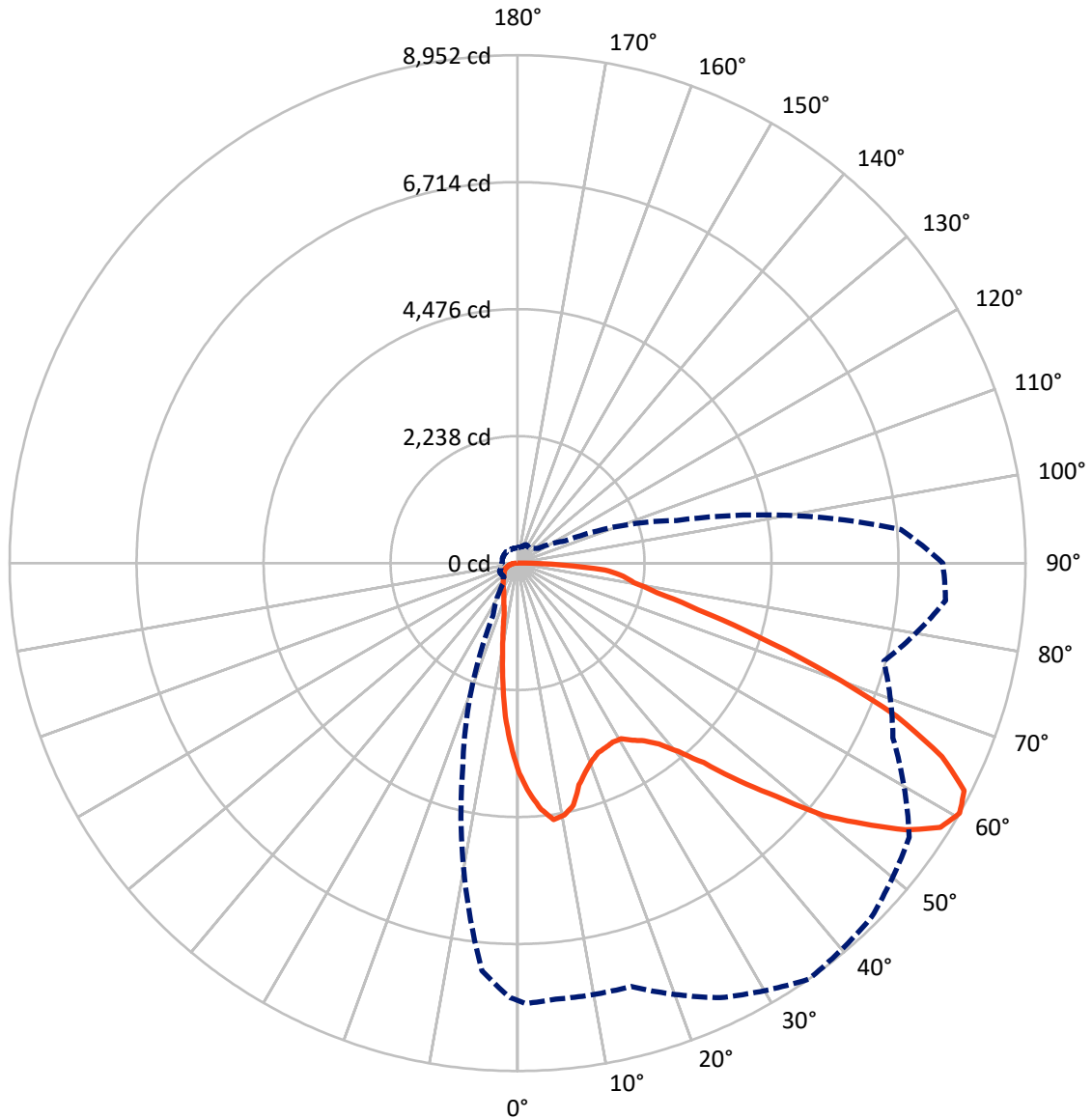
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 18.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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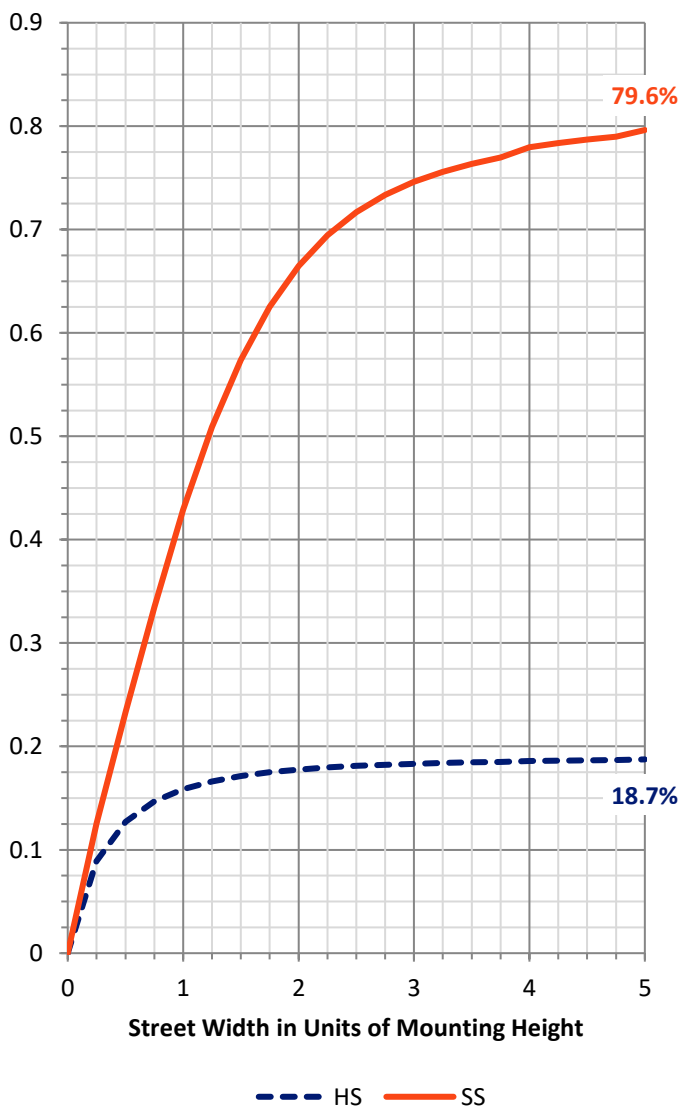
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2208.5	0.0	2208.5
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	9396.2	0.0	9396.2
	% Fixture	81.0	0.0	81.0
Total	Lumens	11604.7	0.0	11604.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.9	2.5
10°-20°	607.9	5.2
20°-30°	889.5	7.7
30°-40°	1253.2	10.8
40°-50°	1722.3	14.8
50°-60°	2347.3	20.2
60°-70°	2569.0	22.1
70°-80°	1483.2	12.8
80°-90°	444.2	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°	11604.7	100.0
0°-180°	11604.7	100.0



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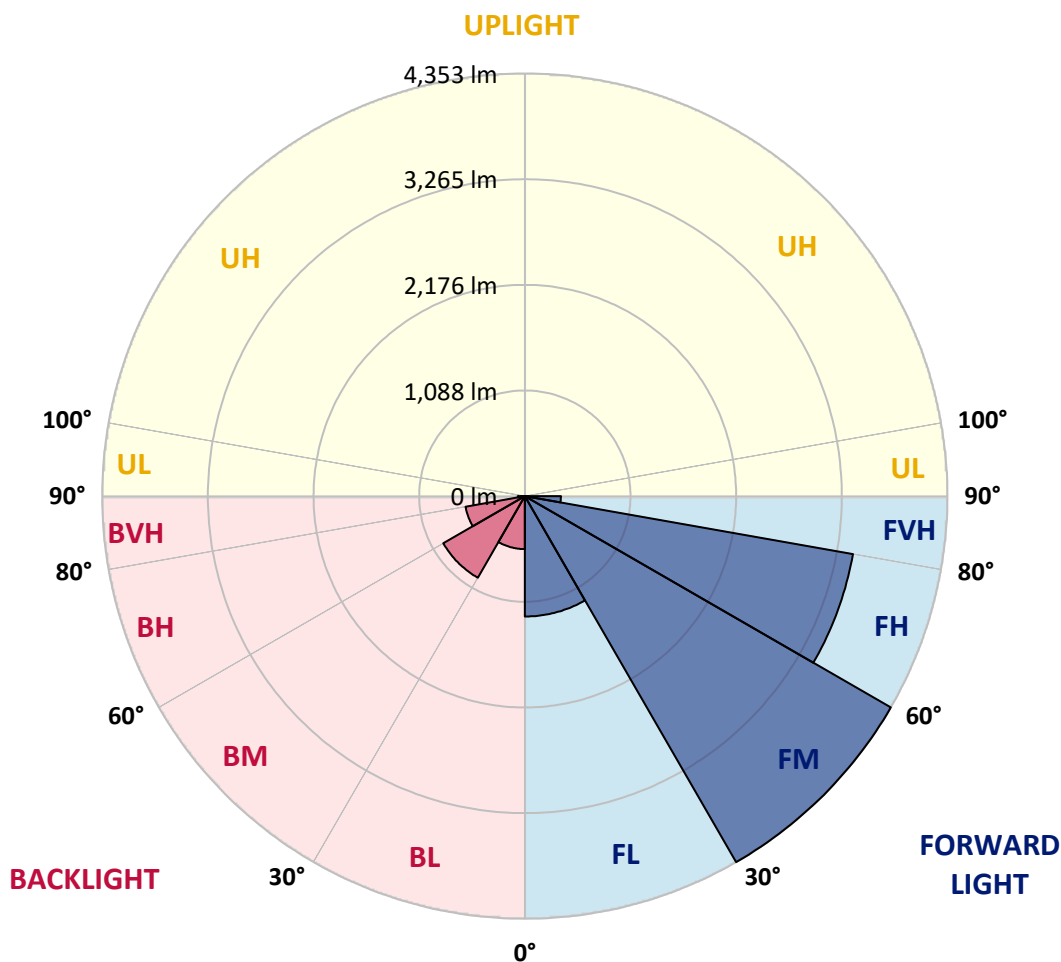
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1239.7	10.7			
FM (30°-60°)	4352.7	37.5			
FH (60°-80°)	3431.9	29.6			G2/5000
FVH (80°-90°)	371.8	3.2			G3/500
BL (0°-30°)	545.6	4.7	B2/1000		
BM (30°-60°)	970.2	8.4	B1/1000		
BH (60°-80°)	620.3	5.3	B2/1000		G2/1000
BVH (80°-90°)	72.4	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-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3706.5	3706.5	3706.5	3706.5	3706.5	3706.5	3706.5	3706.5	3706.5	3706.5	3706.5
2.5°	3969.0	3953.6	3969.0	4025.6	4041.1	4066.8	4066.8	4030.8	3963.9	3933.0	3881.5
5°	4056.5	4030.8	4159.5	4277.9	4370.6	4360.3	4272.7	4200.7	4066.8	3866.1	3675.6
7.5°	3881.5	3907.2	3999.9	4308.8	4525.0	4566.2	4427.2	4283.0	3994.8	3716.8	3459.4
10°	3552.0	3588.1	3788.8	4108.0	4447.8	4514.7	4427.2	4252.1	3907.2	3562.3	3263.8
12.5°	3392.5	3474.8	3593.2	3979.3	4221.3	4380.8	4339.7	4226.4	3840.3	3433.6	3145.4
15°	3392.5	3413.0	3588.1	3912.4	4051.4	4056.5	4072.0	4092.6	3860.9	3490.3	3104.2
17.5°	3500.6	3557.2	3706.5	3907.2	3933.0	3871.2	3871.2	3958.7	3902.1	3649.8	3253.5
20°	3763.1	3742.5	3938.1	4020.5	3881.5	3727.1	3711.6	3860.9	3948.4	3819.7	3526.3
22.5°	4025.6	4118.3	4277.9	4092.6	3835.2	3629.3	3608.7	3794.0	4087.4	4113.2	3840.3
25°	4422.0	4514.7	4597.1	4370.6	3830.0	3603.5	3619.0	3763.1	4257.3	4530.1	4365.4
27.5°	4849.3	4905.9	5024.3	4674.3	3953.6	3572.6	3588.1	3804.3	4416.9	4803.0	4777.2
30°	5091.3	5153.0	5127.3	4730.9	4035.9	3593.2	3552.0	3860.9	4329.4	4803.0	5044.9
32.5°	5328.1	5292.0	5276.6	4823.6	4138.9	3721.9	3619.0	3979.3	4380.8	4880.2	5389.8
35°	5616.3	5564.9	5523.7	5003.7	4308.8	3845.5	3799.1	4133.7	4494.1	5039.8	5667.8
37.5°	5935.5	5935.5	5734.7	5137.6	4509.5	4046.2	3994.8	4355.1	4674.3	5137.6	6048.8
40°	6311.3	6326.7	5971.5	5317.8	4736.1	4365.4	4350.0	4643.4	4849.3	5281.7	6414.3
42.5°	6589.3	6599.6	6177.5	5384.7	4998.6	4808.1	4875.0	5106.7	5050.1	5410.4	6440.0
45°	6779.8	6728.3	6321.6	5575.2	5286.9	5472.2	5492.8	5559.7	5312.6	5487.6	6543.0
47.5°	6872.4	6862.1	6383.4	5796.5	5894.3	6146.6	6265.0	6172.3	5554.6	5405.3	6543.0
50°	6965.1	6877.6	6440.0	6100.2	6486.3	6996.0	6970.2	6800.4	5889.2	5508.2	6445.1
52.5°	7026.9	6949.6	6553.3	6373.1	7052.6	7629.2	7732.1	7418.1	6280.4	5698.7	6491.5
55°	7248.2	7186.4	6893.0	6743.7	7706.4	8298.4	8313.8	7876.3	6692.2	6012.7	6795.2
57.5°	7515.9	7551.9	7361.5	7268.8	8205.7	8787.4	8730.8	8216.0	7042.3	6393.7	7145.3
60°	7706.4	7763.0	7716.7	7727.0	8452.8	8952.2	8823.5	8427.1	7299.7	6681.9	7572.5
62.5°	7603.4	7716.7	7907.1	7866.0	8463.1	8833.8	8653.6	8149.1	7330.6	7057.7	7896.8
65°	7320.3	7330.6	7701.2	7927.7	7999.8	8221.2	7984.4	7567.4	7011.4	7289.4	7850.5
67.5°	6594.4	6676.8	7011.4	7454.1	7150.4	7201.9	7181.3	6579.0	6527.5	7129.8	7495.3
70°	5822.3	5878.9	6244.4	6764.3	6038.5	5796.5	5842.8	5395.0	5606.0	6635.6	6779.8
72.5°	4813.3	4849.3	5266.3	5724.4	4844.2	4411.7	4519.8	4154.3	4452.9	5806.8	5719.3
75°	3634.4	3701.3	4025.6	4566.2	3567.5	3289.5	3397.6	3248.3	3526.3	4782.4	4437.5
77.5°	2584.2	2532.8	2934.3	3572.6	2682.0	2517.3	2527.6	2553.3	2851.9	4030.8	3186.5
80°	1760.6	1776.0	2136.4	2620.3	2105.5	2079.7	2054.0	2259.9	2393.8	3191.7	2316.5
82.5°	1045.0	1045.0	1441.4	1863.5	1662.8	1873.8	1755.4	1940.8	1873.8	2347.4	1518.6
85°	489.0	489.0	741.3	1343.6	1287.0	1544.4	1312.7	1467.1	1384.8	1637.0	684.7
87.5°	82.4	72.1	149.3	658.9	530.2	602.3	236.8	782.5	870.0	1142.8	169.9
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°	3706.5	3706.5	3706.5	3706.5	3706.5	3706.5	3706.5	3706.5	3706.5	3706.5	3706.5
2.5°	3824.9	3788.8	3716.8	3624.1	3546.9	3449.1	3418.2	3351.3	3258.6	3248.3	3207.1
5°	3603.5	3480.0	3325.5	3135.1	3006.4	2872.5	2759.3	2692.3	2615.1	2604.8	2584.2
7.5°	3361.6	3207.1	2949.7	2723.2	2501.9	2290.8	2187.8	2059.2	1971.6	1904.7	1873.8
10°	3135.1	2990.9	2671.8	2362.9	2167.3	2028.3	1904.7	1770.9	1662.8	1580.4	1549.5
12.5°	2985.8	2815.9	2471.0	2177.6	2033.4	1873.8	1734.8	1590.7	1451.7	1343.6	1287.0
15°	2918.8	2759.3	2409.2	2084.9	1873.8	1652.5	1492.9	1348.7	1178.9	1101.6	1075.9
17.5°	3078.4	2841.6	2388.6	1976.8	1678.2	1426.0	1230.3	1075.9	952.4	875.1	844.3
20°	3284.3	2990.9	2424.7	1848.1	1492.9	1209.8	993.5	828.8	746.4	689.8	684.7
22.5°	3546.9	3212.3	2481.3	1755.4	1287.0	972.9	777.3	679.5	622.9	617.7	607.4
25°	4015.3	3613.8	2573.9	1631.9	1122.2	803.1	664.1	607.4	581.7	566.3	576.6
27.5°	4416.9	3876.4	2640.9	1554.7	1055.3	756.7	643.5	581.7	556.0	550.8	556.0
30°	4653.7	4118.3	2620.3	1410.5	921.5	720.7	684.7	664.1	612.6	571.4	571.4
32.5°	4869.9	4272.7	2615.1	1281.8	787.6	602.3	571.4	556.0	586.9	607.4	592.0
35°	5168.5	4514.7	2599.7	1209.8	731.0	556.0	504.5	463.3	442.7	432.4	447.9
37.5°	5487.6	4679.4	2558.5	1199.5	700.1	530.2	489.0	447.9	427.3	417.0	411.8
40°	5837.7	4854.5	2512.2	1148.0	684.7	514.8	473.6	437.6	411.8	396.4	391.2
42.5°	6064.2	4993.4	2465.8	1122.2	653.8	504.5	458.2	427.3	401.5	380.9	380.9
45°	6192.9	5158.2	2419.5	1096.5	617.7	509.6	458.2	417.0	386.1	375.8	365.5
47.5°	6249.5	5281.7	2404.1	1055.3	586.9	489.0	447.9	406.7	375.8	355.2	350.1
50°	6398.8	5544.3	2460.7	1024.4	550.8	468.5	473.6	401.5	370.6	344.9	339.8
52.5°	6486.3	5755.3	2584.2	978.1	525.1	442.7	463.3	391.2	355.2	329.5	329.5
55°	6805.5	6105.4	2718.1	942.1	494.2	406.7	427.3	370.6	329.5	314.0	314.0
57.5°	7212.2	6476.0	2831.3	926.6	473.6	380.9	380.9	360.4	314.0	293.4	288.3
60°	7495.3	6779.8	2898.3	916.3	453.0	355.2	339.8	360.4	298.6	278.0	272.8
62.5°	7526.2	6604.7	2831.3	911.2	447.9	329.5	308.9	344.9	283.1	262.5	252.2
65°	7330.6	6249.5	2646.0	890.6	442.7	303.7	288.3	298.6	262.5	247.1	236.8
67.5°	6939.3	5673.0	2378.3	880.3	437.6	283.1	262.5	257.4	242.0	226.5	216.2
70°	6028.2	4921.4	2064.3	834.0	427.3	267.7	236.8	231.7	216.2	205.9	200.8
72.5°	5060.4	4025.6	1703.9	772.2	406.7	242.0	216.2	205.9	200.8	185.3	180.2
75°	3876.4	3099.0	1364.2	684.7	355.2	216.2	190.5	180.2	175.0	164.7	159.6
77.5°	2723.2	2306.3	1009.0	556.0	298.6	195.6	169.9	159.6	154.4	139.0	139.0
80°	1848.1	1616.4	684.7	386.1	231.7	159.6	149.3	139.0	128.7	118.4	118.4
82.5°	1148.0	1132.5	494.2	252.2	169.9	128.7	118.4	118.4	103.0	92.7	92.7
85°	525.1	695.0	344.9	175.0	128.7	97.8	97.8	92.7	82.4	66.9	66.9
87.5°	164.7	231.7	180.2	77.2	72.1	56.6	56.6	51.5	51.5	41.2	41.2
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°	3706.5	3706.5	3706.5	3706.5	3706.5	3706.5	3706.5	3706.5	3706.5	3706.5	3706.5
2.5°	3248.3	3243.2	3243.2	3222.6	3274.1	3274.1	3304.9	3279.2	3294.6	3299.8	3341.0
5°	2579.1	2620.3	2651.2	2712.9	2749.0	2764.4	2764.4	2805.6	2790.2	2821.0	2882.8
7.5°	1889.3	1940.8	2033.4	2110.6	2172.4	2193.0	2187.8	2198.1	2213.6	2177.6	2187.8
10°	1528.9	1492.9	1523.8	1595.8	1652.5	1719.4	1667.9	1662.8	1678.2	1662.8	1693.7
12.5°	1276.7	1235.5	1209.8	1209.8	1250.9	1281.8	1266.4	1292.1	1348.7	1364.2	1400.2
15°	1034.7	998.7	978.1	952.4	993.5	1003.8	1019.3	1055.3	1096.5	1117.1	1158.3
17.5°	828.8	828.8	828.8	808.2	823.7	839.1	844.3	890.6	895.7	916.3	931.8
20°	679.5	695.0	720.7	731.0	746.4	746.4	736.1	761.9	741.3	756.7	767.0
22.5°	612.6	633.2	643.5	648.6	669.2	674.4	648.6	653.8	658.9	643.5	648.6
25°	576.6	586.9	576.6	581.7	586.9	576.6	581.7	592.0	586.9	597.2	592.0
27.5°	561.1	550.8	545.7	540.5	540.5	530.2	535.4	535.4	545.7	550.8	550.8
30°	561.1	545.7	525.1	509.6	509.6	494.2	504.5	514.8	519.9	530.2	530.2
32.5°	576.6	545.7	509.6	494.2	478.8	468.5	478.8	494.2	514.8	519.9	525.1
35°	458.2	473.6	468.5	447.9	442.7	442.7	437.6	437.6	422.1	422.1	417.0
37.5°	411.8	406.7	417.0	422.1	427.3	411.8	411.8	391.2	386.1	391.2	391.2
40°	386.1	386.1	386.1	401.5	406.7	396.4	380.9	370.6	370.6	370.6	375.8
42.5°	375.8	365.5	360.4	370.6	386.1	375.8	360.4	355.2	355.2	360.4	360.4
45°	360.4	355.2	350.1	344.9	365.5	350.1	344.9	339.8	339.8	339.8	344.9
47.5°	344.9	339.8	329.5	329.5	334.6	329.5	324.3	324.3	324.3	334.6	334.6
50°	334.6	329.5	319.2	319.2	319.2	319.2	314.0	314.0	314.0	319.2	324.3
52.5°	319.2	314.0	308.9	303.7	303.7	303.7	303.7	303.7	303.7	308.9	314.0
55°	303.7	298.6	293.4	293.4	298.6	298.6	293.4	298.6	293.4	298.6	303.7
57.5°	288.3	283.1	278.0	283.1	288.3	283.1	283.1	283.1	283.1	283.1	288.3
60°	267.7	267.7	267.7	267.7	278.0	278.0	278.0	278.0	267.7	272.8	278.0
62.5°	257.4	252.2	252.2	257.4	262.5	262.5	267.7	262.5	257.4	262.5	262.5
65°	236.8	236.8	236.8	242.0	242.0	247.1	247.1	247.1	242.0	247.1	247.1
67.5°	221.4	221.4	221.4	221.4	231.7	231.7	231.7	231.7	226.5	226.5	231.7
70°	195.6	200.8	195.6	205.9	216.2	211.1	216.2	216.2	211.1	205.9	216.2
72.5°	180.2	180.2	180.2	180.2	195.6	195.6	195.6	200.8	195.6	190.5	195.6
75°	159.6	159.6	159.6	164.7	175.0	175.0	175.0	175.0	175.0	169.9	169.9
77.5°	139.0	144.1	139.0	144.1	154.4	149.3	154.4	159.6	154.4	149.3	149.3
80°	118.4	118.4	118.4	123.5	128.7	128.7	128.7	133.8	128.7	123.5	123.5
82.5°	92.7	92.7	97.8	97.8	103.0	103.0	103.0	108.1	103.0	97.8	97.8
85°	72.1	72.1	72.1	77.2	77.2	82.4	82.4	87.5	87.5	82.4	82.4
87.5°	46.3	41.2	46.3	46.3	51.5	51.5	46.3	41.2	46.3	41.2	36.0
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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CATALOG NUMBER: CCP-SA-2E-750-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3706.5	3706.5	3706.5	3706.5	3706.5	3706.5	3706.5	3706.5	3706.5	3706.5
2.5°	3382.2	3474.8	3541.7	3588.1	3655.0	3783.7	3835.2	3927.8	3953.6	3969.0
5°	2908.6	3006.4	3150.5	3253.5	3371.9	3613.8	3799.1	3938.1	3999.9	4056.5
7.5°	2280.5	2409.2	2558.5	2692.3	2888.0	3186.5	3428.5	3716.8	3824.9	3881.5
10°	1781.2	1899.6	2064.3	2229.0	2501.9	2754.1	3099.0	3361.6	3510.9	3552.0
12.5°	1503.2	1642.2	1837.8	2038.6	2208.4	2496.7	2846.8	3227.7	3366.7	3392.5
15°	1276.7	1467.1	1667.9	1873.8	2069.4	2321.7	2697.5	3160.8	3366.7	3392.5
17.5°	1055.3	1225.2	1462.0	1683.4	1909.9	2254.8	2723.2	3217.4	3423.3	3500.6
20°	839.1	1003.8	1189.2	1467.1	1776.0	2141.5	2779.9	3407.9	3680.7	3763.1
22.5°	695.0	767.0	947.2	1214.9	1580.4	2064.3	2836.5	3706.5	3994.8	4025.6
25°	607.4	658.9	772.2	1024.4	1426.0	2012.8	2970.3	4051.4	4422.0	4422.0
27.5°	566.3	586.9	664.1	890.6	1317.9	1966.5	3104.2	4432.3	4777.2	4849.3
30°	556.0	607.4	648.6	792.8	1199.5	1837.8	3227.7	4730.9	5086.1	5091.3
32.5°	545.7	535.4	566.3	689.8	1055.3	1703.9	3330.7	5034.6	5312.6	5328.1
35°	427.3	447.9	499.3	607.4	947.2	1606.1	3382.2	5199.4	5600.9	5616.3
37.5°	401.5	427.3	468.5	561.1	875.1	1523.8	3397.6	5518.5	5904.6	5935.5
40°	391.2	411.8	442.7	519.9	818.5	1420.8	3428.5	5848.0	6352.5	6311.3
42.5°	370.6	396.4	427.3	499.3	772.2	1343.6	3433.6	6028.2	6589.3	6589.3
45°	365.5	380.9	417.0	499.3	720.7	1276.7	3351.3	6208.3	6862.1	6779.8
47.5°	344.9	375.8	406.7	483.9	658.9	1209.8	3253.5	6301.0	6898.2	6872.4
50°	339.8	370.6	422.1	458.2	622.9	1178.9	3232.9	6532.7	6970.2	6965.1
52.5°	329.5	360.4	437.6	437.6	576.6	1137.7	3330.7	6635.6	6985.7	7026.9
55°	314.0	360.4	406.7	401.5	535.4	1086.2	3438.8	6903.3	7258.5	7248.2
57.5°	303.7	350.1	386.1	365.5	489.0	1050.2	3598.4	7160.7	7588.0	7515.9
60°	288.3	350.1	344.9	339.8	453.0	1019.3	3732.2	7212.2	7660.0	7706.4
62.5°	278.0	365.5	303.7	314.0	422.1	1003.8	3675.6	6826.1	7562.2	7603.4
65°	267.7	314.0	278.0	288.3	411.8	972.9	3454.2	6362.8	7140.1	7320.3
67.5°	247.1	257.4	257.4	267.7	401.5	900.9	3001.2	5528.8	6496.6	6594.4
70°	226.5	231.7	231.7	247.1	391.2	818.5	2476.1	4782.4	5636.9	5822.3
72.5°	205.9	205.9	205.9	226.5	360.4	751.6	2038.6	3675.6	4684.6	4813.3
75°	180.2	180.2	180.2	200.8	324.3	684.7	1606.1	2733.5	3449.1	3634.4
77.5°	159.6	159.6	154.4	180.2	283.1	556.0	1158.3	1930.5	2429.8	2584.2
80°	133.8	128.7	128.7	144.1	221.4	401.5	746.4	1364.2	1693.7	1760.6
82.5°	108.1	103.0	97.8	108.1	159.6	252.2	463.3	952.4	1086.2	1045.0
85°	103.0	108.1	87.5	82.4	113.3	164.7	293.4	586.9	489.0	489.0
87.5°	41.2	36.0	36.0	30.9	56.6	61.8	128.7	108.1	82.4	82.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)