

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: P671010

Luminaire Tested: **CCP-SA-2C-830-U-T4FT**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671010
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-830-U-T4FT
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T4FT
distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

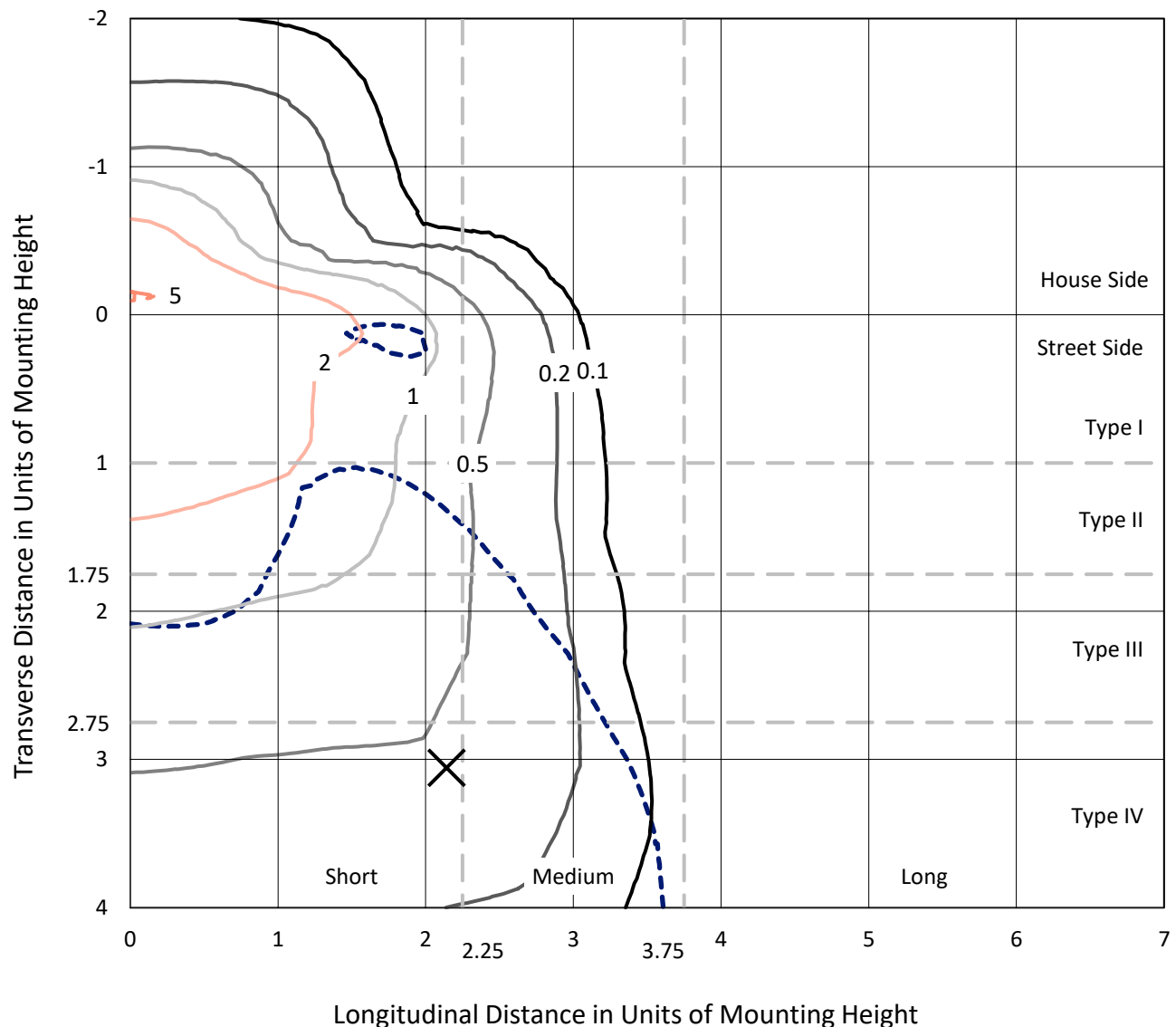
Lumens per Lamp: N/A
Luminaire Lumens: 7180 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
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

REPORT NUMBER: P671010
 CATALOG NUMBER: CCP-SA-2C-830-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

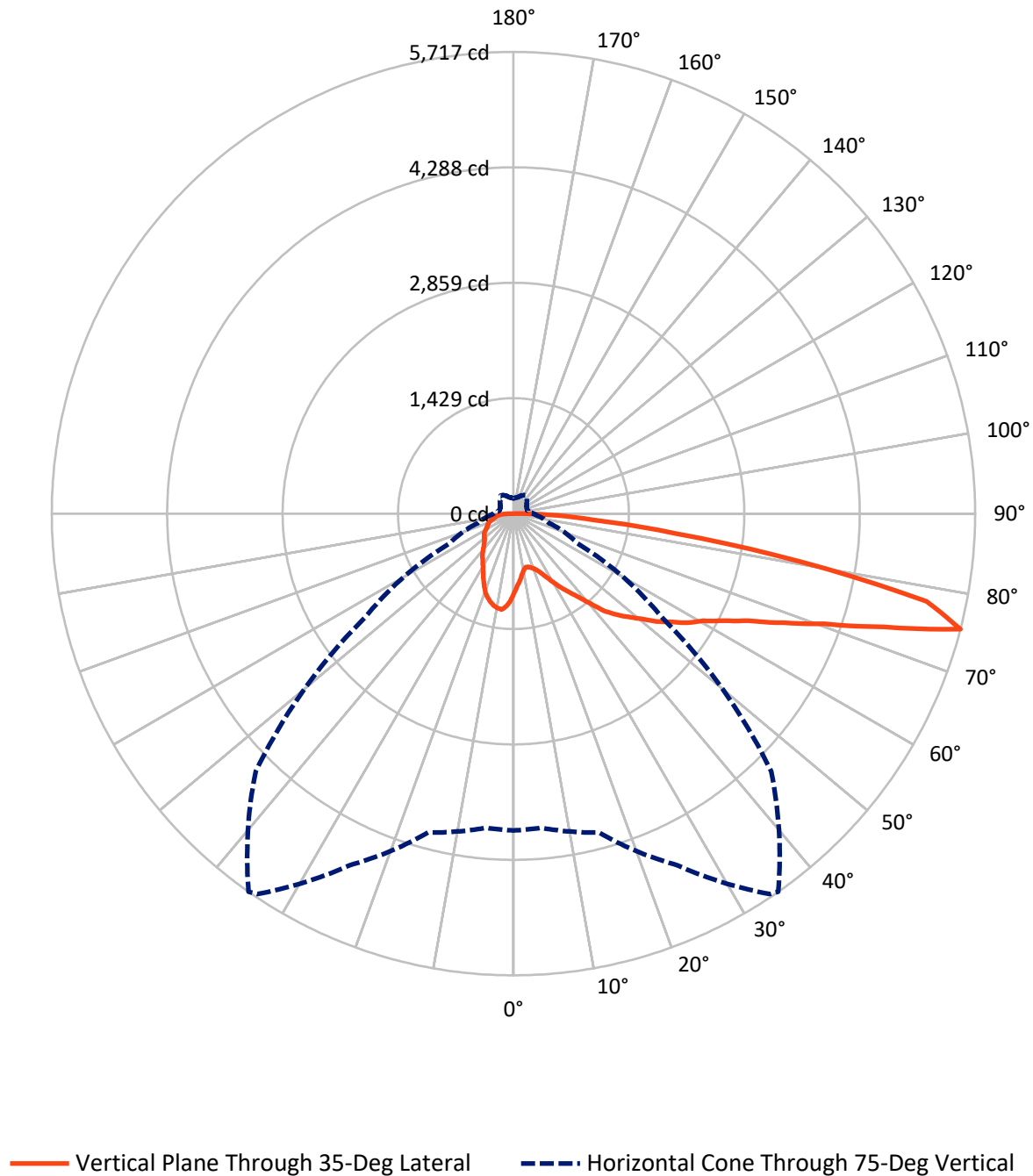
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P671010
CATALOG NUMBER: CCP-SA-2C-830-U-T4FT

Luminous Intensity Polar Plot



REPORT NUMBER: P671010

CATALOG NUMBER: CCP-SA-2C-830-U-T4FT

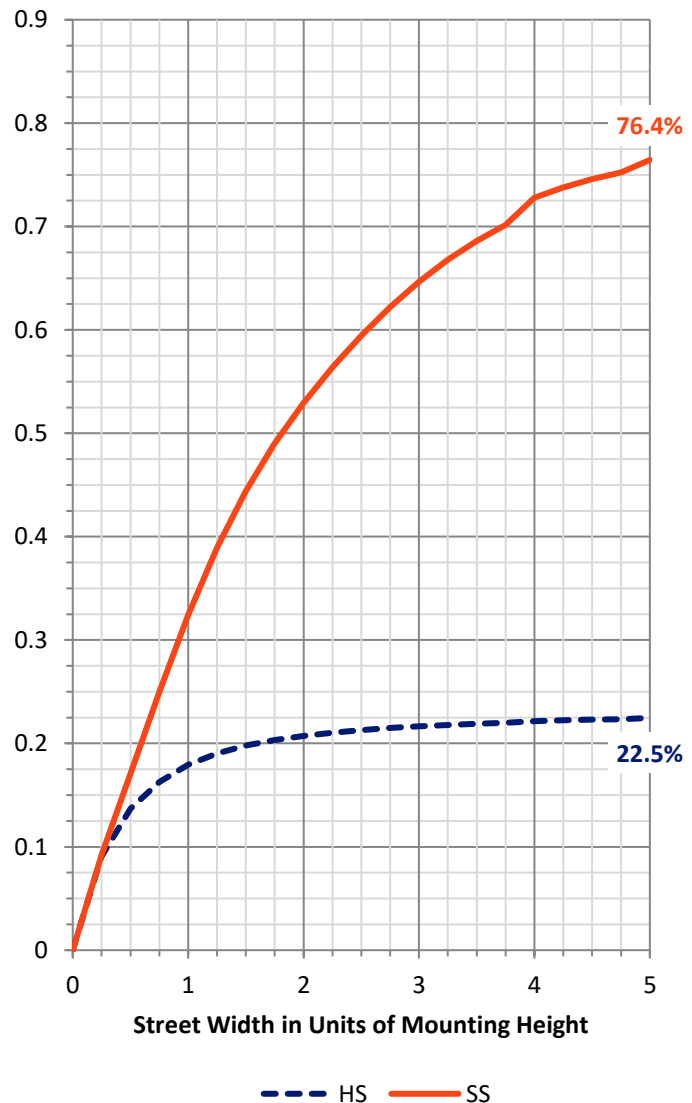
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1650.1	0.0	1650.1
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	5529.8	0.0	5529.8
	% Fixture	77.0	0.0	77.0
Total	Lumens	7180.0	0.0	7180.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.7	1.3
10°-20°	272.0	3.8
20°-30°	451.4	6.3
30°-40°	669.1	9.3
40°-50°	964.8	13.4
50°-60°	1326.8	18.5
60°-70°	1638.8	22.8
70°-80°	1499.3	20.9
80°-90°	263.9	3.7
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°	7180.0	100.0
0°-180°	7180.0	100.0

Coefficient of Utilization



REPORT NUMBER: P671010

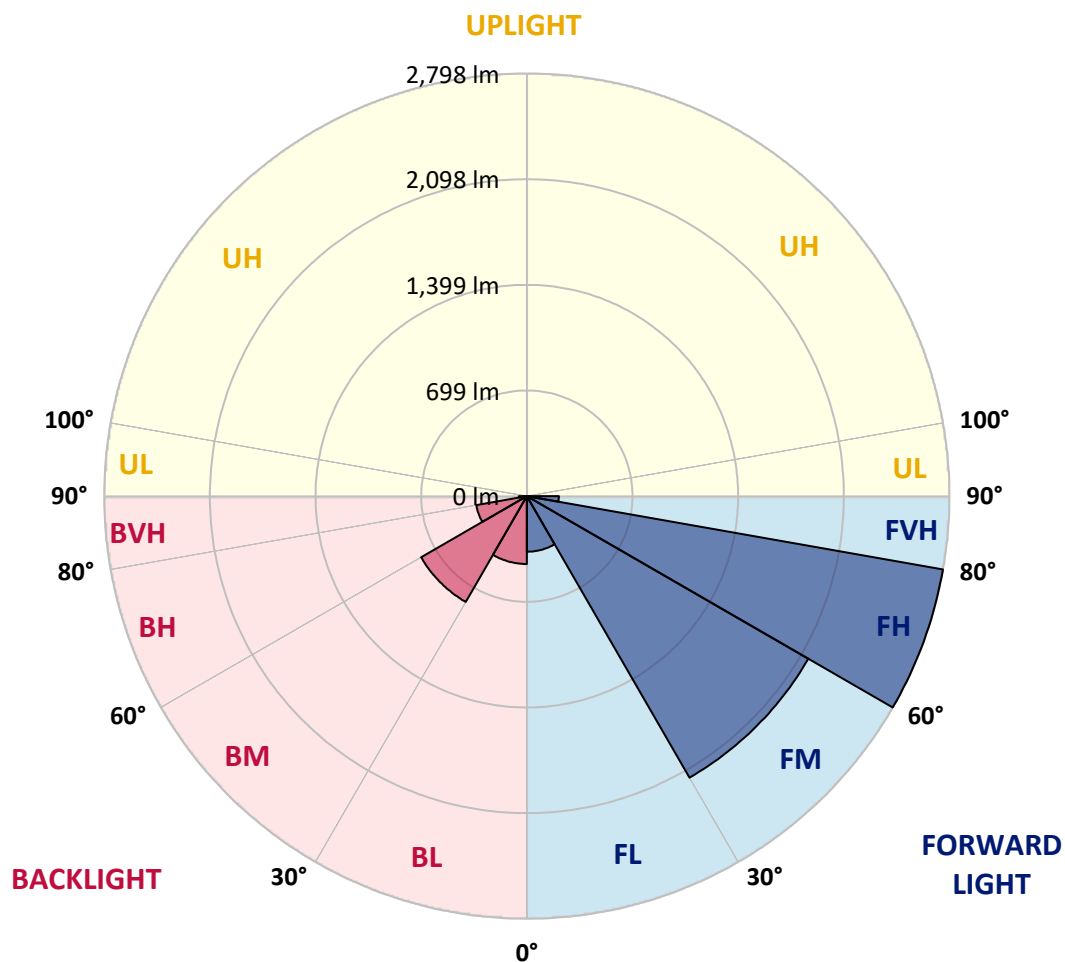
CATALOG NUMBER: CCP-SA-2C-830-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	368.0	5.1			
FM	(30°-60°)	2152.1	30.0			
FH	(60°-80°)	2797.9	39.0			G2/5000
FVH	(80°-90°)	211.8	3.0			G2/225
BL	(0°-30°)	449.1	6.3	B1/500		
BM	(30°-60°)	808.6	11.3	B1/1000		
BH	(60°-80°)	340.3	4.7	B1/500		G1/500
BVH	(80°-90°)	52.1	0.7			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 IV Short



REPORT NUMBER: P671010

CATALOG NUMBER: CCP-SA-2C-830-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	983.7	983.7	983.7	983.7	983.7	983.7	983.7	983.7	983.7	983.7	983.7
2.5°	891.1	883.2	891.1	896.4	896.4	896.4	904.4	928.2	944.0	954.6	973.1
5°	798.6	801.2	806.5	819.7	827.7	833.0	846.2	875.3	899.1	933.5	973.1
7.5°	716.6	721.9	729.8	743.1	761.6	758.9	788.0	827.7	872.6	917.6	975.8
10°	674.3	684.9	687.5	690.2	708.7	708.7	748.3	793.3	848.8	907.0	975.8
12.5°	682.2	682.2	674.3	671.7	682.2	679.6	714.0	766.9	827.7	909.7	986.3
15°	706.0	706.0	690.2	674.3	690.2	684.9	714.0	756.3	827.7	912.3	1007.5
17.5°	737.8	740.4	721.9	695.5	700.8	703.4	724.6	764.2	827.7	917.6	1036.6
20°	801.2	788.0	758.9	716.6	735.1	727.2	758.9	793.3	843.5	938.7	1078.9
22.5°	856.8	856.8	801.2	764.2	766.9	766.9	795.9	825.0	867.3	967.8	1110.6
25°	946.7	941.4	872.6	817.1	822.4	825.0	840.9	875.3	907.0	983.7	1150.3
27.5°	1060.4	1047.2	978.4	914.9	893.8	901.7	909.7	936.1	944.0	1010.1	1197.9
30°	1182.0	1163.5	1105.3	1004.9	994.3	996.9	983.7	999.6	989.0	1052.4	1245.5
32.5°	1258.7	1258.7	1203.2	1129.1	1100.0	1100.0	1055.1	1065.7	1065.7	1092.1	1330.1
35°	1324.8	1319.5	1282.5	1227.0	1208.5	1197.9	1152.9	1168.8	1142.4	1168.8	1449.1
37.5°	1425.3	1409.4	1393.6	1356.5	1319.5	1311.6	1287.8	1298.4	1261.4	1248.1	1584.0
40°	1541.7	1533.7	1517.9	1502.0	1465.0	1462.3	1435.9	1446.5	1406.8	1356.5	1718.8
42.5°	1713.5	1689.7	1639.5	1626.3	1634.2	1644.8	1634.2	1615.7	1544.3	1480.8	1864.3
45°	1885.4	1848.4	1753.2	1732.0	1792.9	1784.9	1829.9	1822.0	1705.6	1605.1	2017.6
47.5°	1996.5	1964.7	1888.1	1874.8	1901.3	1911.9	2046.7	2022.9	1837.8	1718.8	2165.7
50°	2075.8	2078.5	1978.0	2012.3	2046.7	2046.7	2216.0	2213.3	1999.1	1859.0	2358.8
52.5°	2192.2	2155.1	2112.8	2144.6	2192.2	2218.6	2427.5	2369.3	2099.6	1978.0	2575.6
55°	2253.0	2237.1	2200.1	2255.6	2356.1	2369.3	2591.5	2546.5	2213.3	2118.1	2797.7
57.5°	2276.8	2290.0	2350.8	2374.6	2514.8	2549.1	2739.5	2676.1	2319.1	2292.6	2969.6
60°	2382.6	2364.0	2446.0	2541.2	2676.1	2694.6	2924.6	2787.1	2422.2	2406.4	3025.1
62.5°	2596.7	2549.1	2594.1	2707.8	2895.6	2919.4	3120.3	2935.2	2467.2	2483.0	3022.5
65°	2908.8	2874.4	2808.3	2898.2	3162.6	3197.0	3350.4	3062.2	2454.0	2456.6	2808.3
67.5°	3276.3	3220.8	3152.1	3207.6	3530.2	3609.5	3630.7	3117.7	2361.4	2308.5	2284.7
70°	3599.0	3561.9	3517.0	3612.2	4061.7	4090.8	3979.7	3083.3	2104.9	1853.7	1523.1
72.5°	3900.4	3881.9	3908.3	4265.3	4781.0	4799.5	4307.6	2866.5	1663.3	1123.8	708.7
75°	3924.2	3905.7	4088.2	4804.8	5682.7	5717.1	4511.3	2247.7	877.9	457.5	298.8
77.5°	2657.6	2713.1	3054.2	4207.2	5219.9	5227.9	3688.9	1044.5	362.3	269.7	208.9
80°	653.2	724.6	1150.3	2176.3	3519.6	3606.9	2020.3	351.7	238.0	206.3	156.0
82.5°	238.0	259.1	468.0	983.7	1978.0	2012.3	706.0	190.4	171.9	158.7	113.7
85°	113.7	116.4	222.1	483.9	999.6	989.0	253.9	113.7	124.3	108.4	68.8
87.5°	47.6	47.6	97.8	224.8	441.6	428.4	82.0	52.9	71.4	63.5	34.4
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: P671010

CATALOG NUMBER: CCP-SA-2C-830-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	983.7	983.7	983.7	983.7	983.7	983.7	983.7	983.7	983.7	983.7	983.7
2.5°	986.3	991.6	1012.8	1028.7	1044.5	1057.7	1078.9	1078.9	1092.1	1092.1	1092.1
5°	983.7	1012.8	1047.2	1084.2	1108.0	1131.8	1152.9	1155.6	1163.5	1174.1	1176.7
7.5°	994.3	1023.4	1078.9	1131.8	1160.9	1171.4	1197.9	1190.0	1190.0	1190.0	1197.9
10°	1015.4	1047.2	1123.8	1171.4	1192.6	1195.2	1187.3	1182.0	1166.2	1160.9	1152.9
12.5°	1031.3	1086.8	1163.5	1200.5	1192.6	1184.7	1166.2	1139.7	1121.2	1115.9	1115.9
15°	1071.0	1126.5	1197.9	1211.1	1197.9	1155.6	1131.8	1102.7	1086.8	1063.0	1073.6
17.5°	1105.3	1168.8	1232.3	1216.4	1190.0	1123.8	1089.5	1047.2	1026.0	999.6	999.6
20°	1150.3	1208.5	1264.0	1221.7	1163.5	1092.1	1036.6	983.7	954.6	928.2	933.5
22.5°	1200.5	1253.4	1282.5	1200.5	1123.8	1041.9	965.2	914.9	877.9	862.1	867.3
25°	1240.2	1298.4	1293.1	1166.2	1076.2	978.4	893.8	846.2	838.3	822.4	822.4
27.5°	1290.4	1351.3	1285.2	1123.8	996.9	877.9	825.0	806.5	806.5	798.6	803.9
30°	1356.5	1398.9	1266.6	1063.0	896.4	788.0	761.6	772.1	790.7	782.7	785.4
32.5°	1465.0	1459.7	1250.8	994.3	790.7	700.8	719.3	740.4	756.3	764.2	769.5
35°	1570.7	1536.4	1232.3	901.7	692.8	658.4	674.3	698.1	727.2	735.1	737.8
37.5°	1676.5	1615.7	1200.5	788.0	632.0	621.4	637.3	650.5	674.3	679.6	684.9
40°	1787.6	1668.6	1145.0	677.0	581.8	581.8	592.3	595.0	608.2	616.1	621.4
42.5°	1885.4	1718.8	1044.5	573.8	528.9	547.4	550.0	544.7	534.2	539.4	542.1
45°	2004.4	1774.4	928.2	499.8	489.2	513.0	518.3	497.1	478.6	468.0	462.8
47.5°	2120.8	1832.5	827.7	439.0	452.2	489.2	489.2	465.4	433.7	407.2	396.7
50°	2226.5	1890.7	745.7	401.9	415.2	470.7	476.0	431.0	396.7	364.9	359.6
52.5°	2403.7	1988.5	661.1	372.9	394.0	457.5	454.8	415.2	370.2	335.8	333.2
55°	2559.7	2086.4	550.0	343.8	372.9	439.0	446.9	399.3	338.5	306.7	301.5
57.5°	2673.4	2110.2	439.0	314.7	351.7	417.8	428.4	367.6	317.3	290.9	288.2
60°	2694.6	2017.6	357.0	290.9	322.6	388.7	396.7	349.1	301.5	280.3	275.0
62.5°	2596.7	1840.5	304.1	269.7	298.8	359.6	375.5	327.9	285.6	267.1	264.4
65°	2374.6	1581.3	267.1	251.2	282.9	338.5	357.0	312.0	272.4	256.5	253.9
67.5°	1880.1	1213.8	238.0	238.0	261.8	317.3	343.8	301.5	259.1	248.6	245.9
70°	1229.6	729.8	216.8	219.5	245.9	298.8	327.9	288.2	243.3	240.6	235.3
72.5°	528.9	335.8	193.0	201.0	222.1	267.1	304.1	269.7	224.8	216.8	208.9
75°	243.3	203.6	174.5	179.8	198.3	235.3	275.0	248.6	208.9	195.7	187.7
77.5°	171.9	148.1	145.4	156.0	169.2	203.6	243.3	232.7	193.0	182.5	177.2
80°	126.9	113.7	121.6	132.2	140.2	187.7	230.1	214.2	177.2	161.3	153.4
82.5°	89.9	84.6	95.2	105.8	113.7	163.9	211.5	187.7	148.1	134.9	121.6
85°	52.9	55.5	66.1	71.4	79.3	121.6	177.2	150.7	113.7	87.3	84.6
87.5°	23.8	23.8	31.7	34.4	39.7	71.4	119.0	95.2	71.4	55.5	52.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)