

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: P670646

Luminaire Tested: **CCP-SA-2D-727-U-T2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670646
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-727-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T2
distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9303.8 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 80.8
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

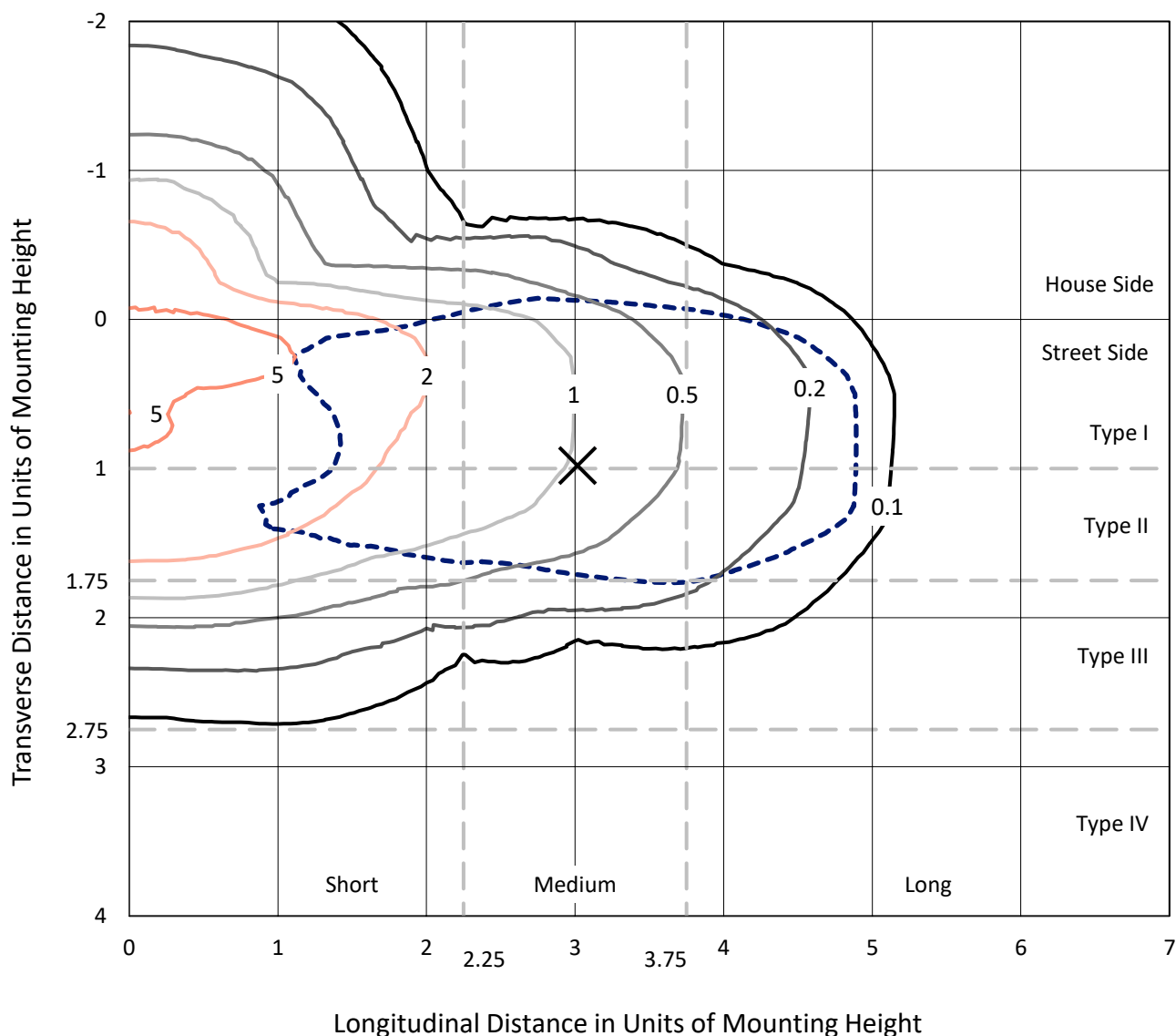
REPORT NUMBER: P670646

CATALOG NUMBER: CCP-SA-2D-727-U-T2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

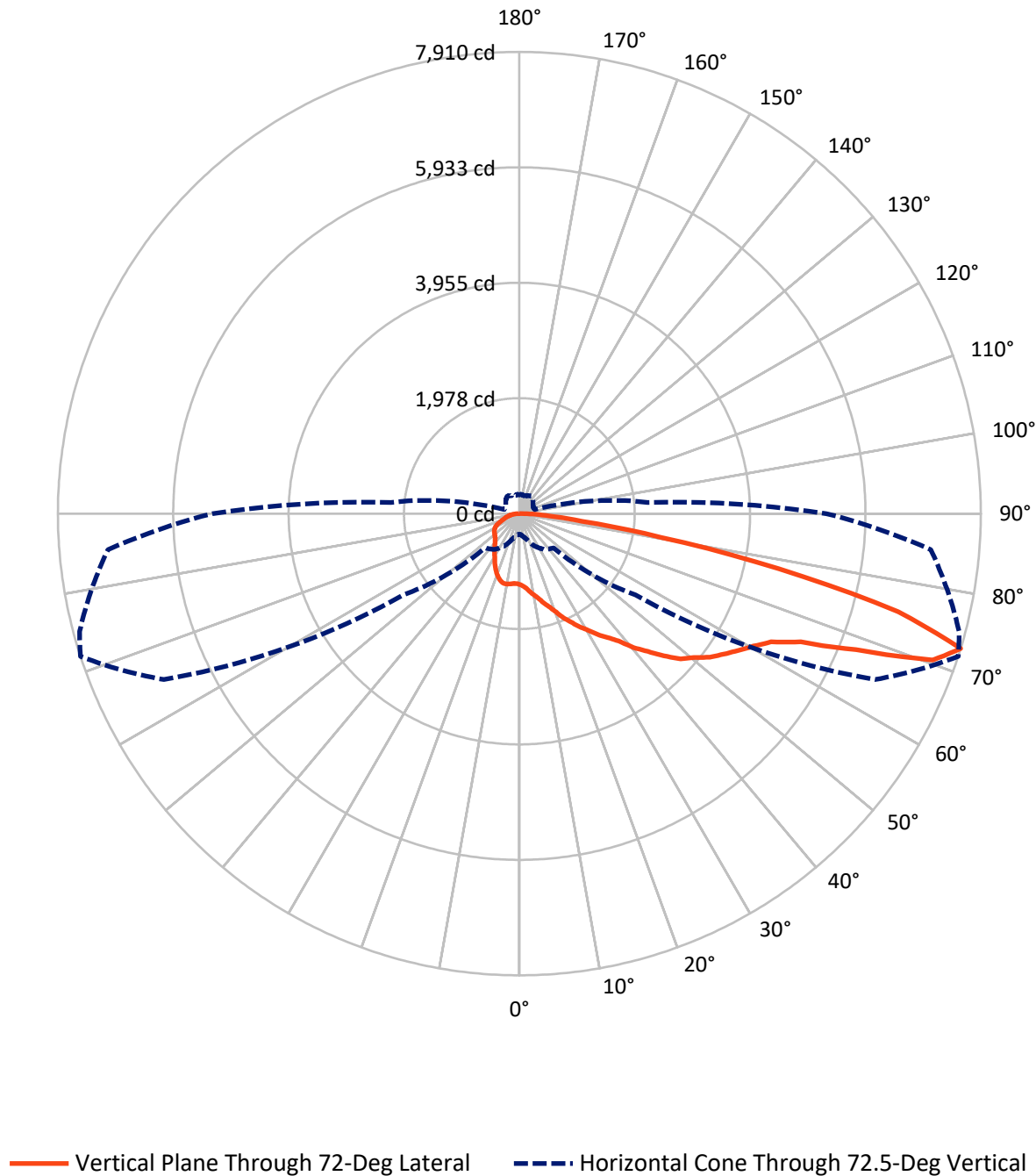
--- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.8 fc
 Type II - Medium - N/A

REPORT NUMBER: P670646
CATALOG NUMBER: CCP-SA-2D-727-U-T2

Luminous Intensity Polar Plot



REPORT NUMBER: P670646

CATALOG NUMBER: CCP-SA-2D-727-U-T2

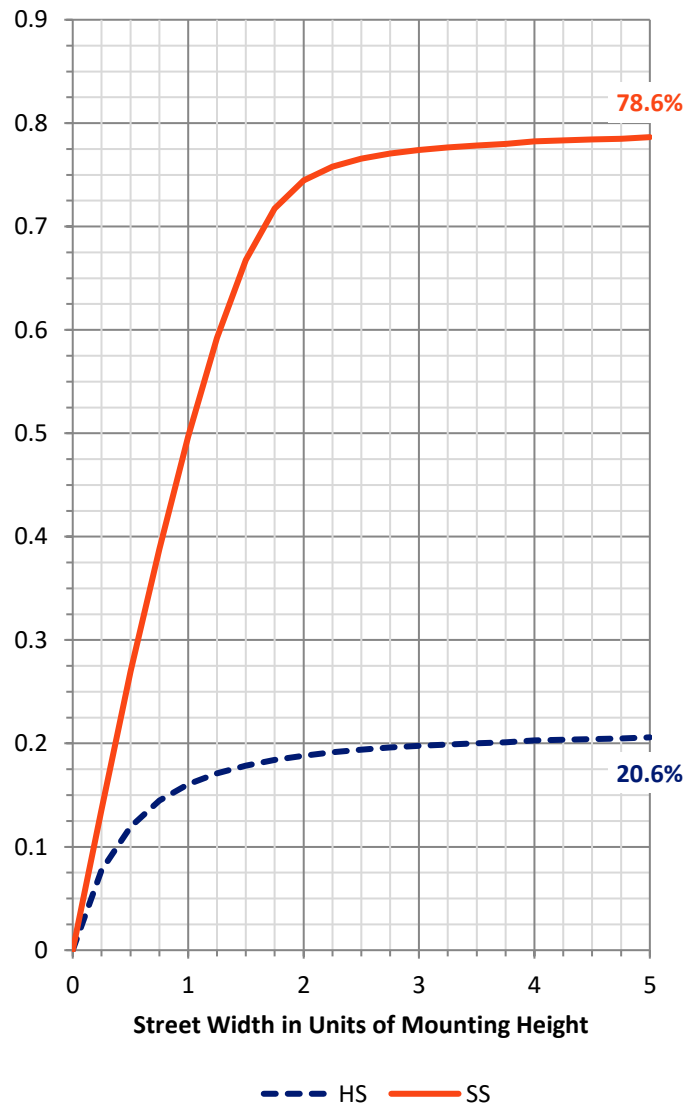
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1958.0	0.0	1958.0
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	7345.8	0.0	7345.8
	% Fixture	79.0	0.0	79.0
Total	Lumens	9303.8	0.0	9303.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.2	1.3
10°-20°	373.4	4.0
20°-30°	646.1	6.9
30°-40°	954.3	10.3
40°-50°	1419.1	15.3
50°-60°	1945.5	20.9
60°-70°	2110.3	22.7
70°-80°	1487.8	16.0
80°-90°	247.2	2.7
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°	9303.8	100.0
0°-180°	9303.8	100.0

Coefficient of Utilization



REPORT NUMBER: P670646

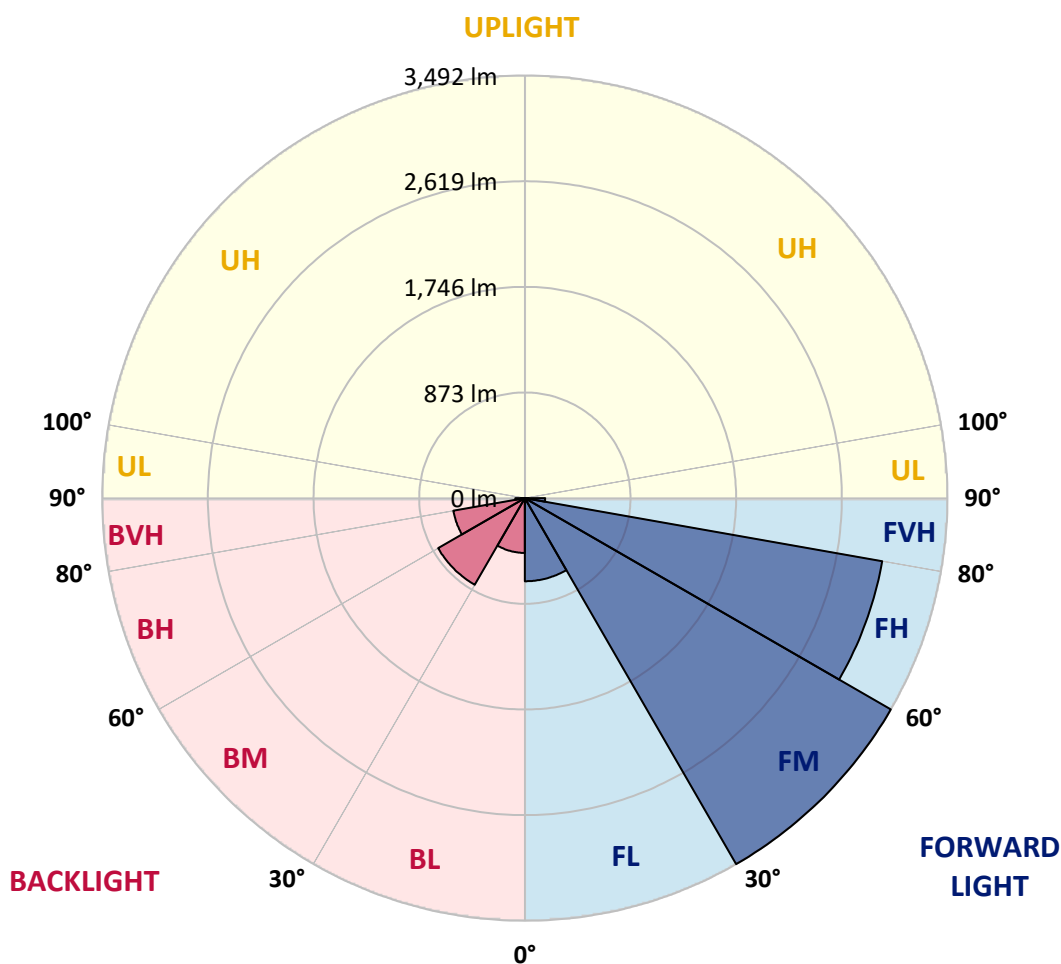
CATALOG NUMBER: CCP-SA-2D-727-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	687.0	7.4			
FM	(30°-60°)	3491.9	37.5			
FH	(60°-80°)	2998.3	32.2			G2/5000
FVH	(80°-90°)	168.5	1.8			G2/225
BL	(0°-30°)	452.6	4.9	B1/500		
BM	(30°-60°)	827.0	8.9	B1/1000		
BH	(60°-80°)	599.8	6.4	B2/1000		G2/1000
BVH	(80°-90°)	78.7	0.8			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 II Medium



REPORT NUMBER: P670646

CATALOG NUMBER: CCP-SA-2D-727-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1215.3	1215.3	1215.3	1215.3	1215.3	1215.3	1215.3	1215.3	1215.3	1215.3	1215.3
2.5°	1311.5	1311.5	1301.2	1297.7	1297.7	1270.3	1273.7	1256.5	1242.8	1242.8	1229.1
5°	1380.1	1373.3	1373.3	1373.3	1356.1	1345.8	1342.4	1311.5	1287.4	1290.9	1249.7
7.5°	1397.3	1400.7	1404.2	1421.3	1411.0	1417.9	1411.0	1376.7	1359.5	1342.4	1304.6
10°	1407.6	1414.5	1414.5	1438.5	1438.5	1455.7	1466.0	1452.2	1421.3	1404.2	1342.4
12.5°	1431.6	1421.3	1435.1	1452.2	1469.4	1500.3	1531.2	1517.5	1496.9	1476.3	1407.6
15°	1431.6	1435.1	1445.4	1472.8	1500.3	1531.2	1586.1	1606.7	1596.4	1558.7	1486.6
17.5°	1390.4	1380.1	1428.2	1479.7	1531.2	1568.9	1641.0	1689.1	1682.2	1668.5	1558.7
20°	1393.9	1404.2	1421.3	1466.0	1548.4	1617.0	1706.3	1785.2	1802.4	1795.5	1654.8
22.5°	1455.7	1459.1	1476.3	1496.9	1562.1	1651.3	1785.2	1912.3	1943.2	1926.0	1761.2
25°	1517.5	1544.9	1544.9	1558.7	1582.7	1675.4	1836.7	2015.3	2059.9	2063.3	1871.1
27.5°	1617.0	1623.9	1644.5	1651.3	1671.9	1726.9	1895.1	2090.8	2193.8	2180.1	1970.6
30°	1733.7	1737.2	1750.9	1744.0	1747.5	1816.1	1950.0	2176.6	2317.4	2320.8	2077.1
32.5°	1871.1	1898.5	1905.4	1860.8	1867.6	1884.8	2035.9	2279.6	2471.9	2447.8	2169.8
35°	2073.6	2083.9	2063.3	2042.7	1991.2	1980.9	2125.1	2382.6	2605.8	2633.2	2307.1
37.5°	2324.2	2351.7	2324.2	2214.4	2159.5	2118.3	2235.0	2495.9	2767.1	2859.8	2444.4
40°	2557.7	2554.3	2526.8	2427.2	2331.1	2300.2	2392.9	2653.8	3017.7	3107.0	2643.5
42.5°	2746.5	2736.2	2719.1	2643.5	2554.3	2502.8	2574.9	2818.6	3227.2	3398.8	2873.5
45°	2911.3	2897.6	2901.0	2815.2	2729.4	2756.8	2756.8	3007.4	3474.3	3687.2	3137.9
47.5°	3065.8	3072.7	3062.4	2997.1	2931.9	3004.0	2966.2	3223.7	3718.1	3955.0	3361.1
50°	3244.3	3258.1	3223.7	3182.5	3124.2	3196.3	3148.2	3426.3	3876.0	4198.7	3628.8
52.5°	3412.6	3426.3	3457.2	3405.7	3347.3	3405.7	3295.8	3615.1	4085.4	4435.6	3834.8
55°	3453.7	3446.9	3618.5	3673.5	3704.4	3529.3	3426.3	3776.5	4250.2	4586.7	4068.3
57.5°	3264.9	3282.1	3515.5	3673.5	4003.1	3852.0	3573.9	3965.3	4421.9	4785.8	4284.6
60°	2794.6	2804.9	3096.7	3470.9	3951.6	4154.1	3972.2	4209.0	4610.7	4954.0	4528.3
62.5°	1867.6	1946.6	2310.5	2897.6	3587.6	4236.5	4607.3	4621.0	4840.7	5166.9	4861.3
65°	985.3	1023.1	1308.0	1781.8	2719.1	3951.6	5204.7	5438.1	5300.8	5558.3	5342.0
67.5°	645.4	659.2	813.7	1081.4	1568.9	2883.8	5273.3	6856.0	6224.3	6303.3	6111.0
70°	480.6	487.5	600.8	799.9	971.6	1541.5	4322.3	7518.6	7515.2	7305.7	7024.2
72.5°	353.6	363.9	442.9	611.1	748.4	830.8	2430.7	6725.5	7910.0	7803.6	7079.2
75°	278.1	285.0	326.1	473.8	604.2	545.9	1232.5	4981.5	6708.4	7219.9	6478.4
77.5°	226.6	233.5	257.5	343.3	484.1	422.3	590.5	3213.4	4548.9	5197.8	4957.5
80°	188.8	188.8	206.0	243.8	374.2	319.3	350.2	1805.8	2451.3	2705.3	2248.7
82.5°	161.4	157.9	171.7	178.5	278.1	230.0	226.6	817.1	1078.0	1143.2	844.6
85°	103.0	106.4	161.4	154.5	182.0	157.9	127.0	387.9	508.1	518.4	315.8
87.5°	41.2	41.2	68.7	85.8	103.0	96.1	61.8	175.1	223.2	223.2	89.3
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: P670646

CATALOG NUMBER: CCP-SA-2D-727-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1215.3	1215.3	1215.3	1215.3	1215.3	1215.3	1215.3	1215.3	1215.3	1215.3	1215.3
2.5°	1225.6	1211.9	1201.6	1194.7	1177.6	1160.4	1163.8	1160.4	1146.7	1139.8	1139.8
5°	1239.4	1225.6	1208.5	1181.0	1163.8	1143.2	1150.1	1136.4	1122.6	1132.9	1115.8
7.5°	1273.7	1249.7	1225.6	1184.4	1157.0	1126.1	1112.3	1105.5	1095.2	1088.3	1088.3
10°	1321.8	1287.4	1242.8	1181.0	1136.4	1088.3	1081.4	1067.7	1057.4	1057.4	1054.0
12.5°	1369.8	1332.1	1256.5	1157.0	1081.4	1047.1	1043.7	1047.1	1054.0	1057.4	1060.8
15°	1431.6	1369.8	1253.1	1112.3	1036.8	1023.1	1040.2	1054.0	1067.7	1081.4	1078.0
17.5°	1490.0	1417.9	1222.2	1057.4	999.0	1002.5	1033.4	1060.8	1088.3	1102.0	1105.5
20°	1568.9	1462.5	1177.6	992.2	961.3	992.2	1033.4	1067.7	1098.6	1115.8	1119.2
22.5°	1658.2	1514.0	1119.2	933.8	930.4	961.3	1002.5	1054.0	1088.3	1119.2	1115.8
25°	1737.2	1548.4	1043.7	885.8	892.6	913.2	961.3	1016.2	1050.5	1084.9	1074.6
27.5°	1788.7	1555.2	964.7	851.4	851.4	872.0	916.7	951.0	981.9	1009.3	1012.8
30°	1847.0	1541.5	875.5	806.8	806.8	834.3	851.4	872.0	889.2	896.1	902.9
32.5°	1915.7	1510.6	820.5	772.5	772.5	793.1	803.4	796.5	793.1	775.9	786.2
35°	1980.9	1466.0	758.7	727.8	741.6	751.9	748.4	727.8	707.2	676.3	666.0
37.5°	2059.9	1421.3	703.8	679.8	703.8	707.2	707.2	683.2	655.7	618.0	618.0
40°	2180.1	1387.0	659.2	648.9	672.9	669.5	652.3	635.1	645.4	624.8	624.8
42.5°	2307.1	1373.3	618.0	621.4	631.7	635.1	618.0	597.4	638.6	614.5	618.0
45°	2465.0	1383.6	590.5	587.1	611.1	607.7	597.4	580.2	593.9	532.1	515.0
47.5°	2612.6	1404.2	576.8	563.0	590.5	597.4	583.6	545.9	525.3	487.5	480.6
50°	2746.5	1448.8	563.0	535.6	563.0	576.8	552.7	511.5	487.5	463.5	463.5
52.5°	2873.5	1514.0	556.2	504.7	528.7	545.9	532.1	490.9	463.5	453.2	442.9
55°	3004.0	1572.4	545.9	484.1	490.9	525.3	521.8	466.9	439.4	439.4	436.0
57.5°	3189.4	1651.3	532.1	449.7	463.5	501.2	501.2	456.6	425.7	429.1	432.6
60°	3378.2	1744.0	518.4	415.4	425.7	477.2	484.1	442.9	415.4	418.8	415.4
62.5°	3680.3	1915.7	490.9	374.2	394.8	446.3	463.5	425.7	401.7	408.5	408.5
65°	4136.9	2210.9	432.6	339.9	363.9	418.8	442.9	408.5	381.1	401.7	394.8
67.5°	4871.6	2616.1	363.9	312.4	343.3	391.4	418.8	387.9	363.9	394.8	384.5
70°	5530.8	2815.2	312.4	288.4	312.4	360.5	391.4	367.3	343.3	374.2	360.5
72.5°	5263.0	2207.5	271.2	260.9	285.0	326.1	363.9	339.9	315.8	333.0	319.3
75°	4542.1	1757.8	236.9	233.5	254.1	295.3	333.0	315.8	291.8	298.7	291.8
77.5°	3443.4	1452.2	202.6	199.1	216.3	264.4	298.7	285.0	260.9	257.5	257.5
80°	1538.1	714.1	168.2	168.2	178.5	226.6	254.1	247.2	223.2	219.7	216.3
82.5°	504.7	271.2	137.3	130.5	144.2	188.8	226.6	219.7	195.7	188.8	182.0
85°	202.6	130.5	99.6	99.6	113.3	157.9	202.6	188.8	157.9	140.8	140.8
87.5°	68.7	54.9	51.5	51.5	72.1	106.4	151.1	127.0	113.3	99.6	103.0
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)