

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: P670645

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

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670645
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-727-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T2
distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7542.5 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

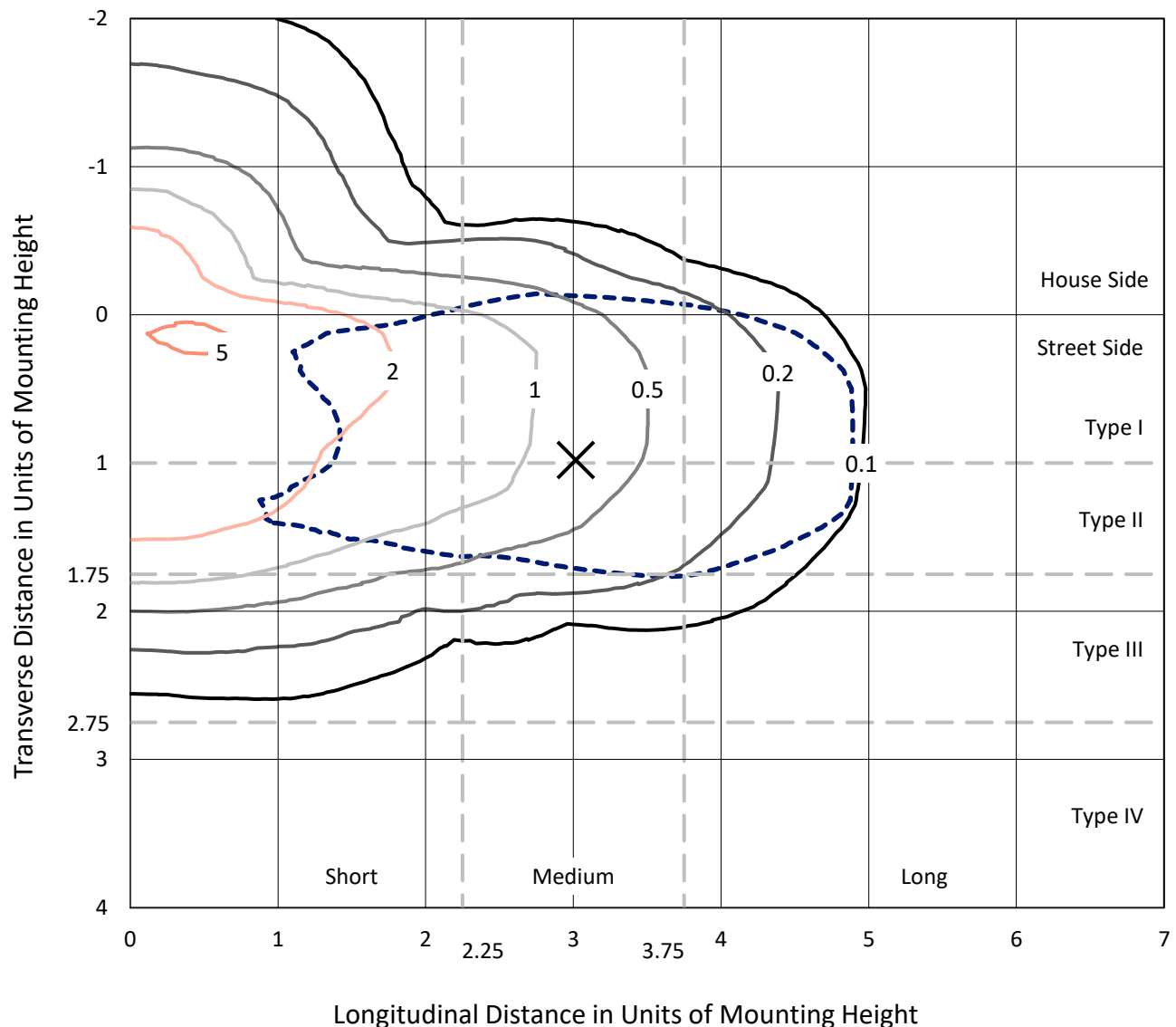
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P670645

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

Iso-Footcandle Lines of Horizontal Illumination

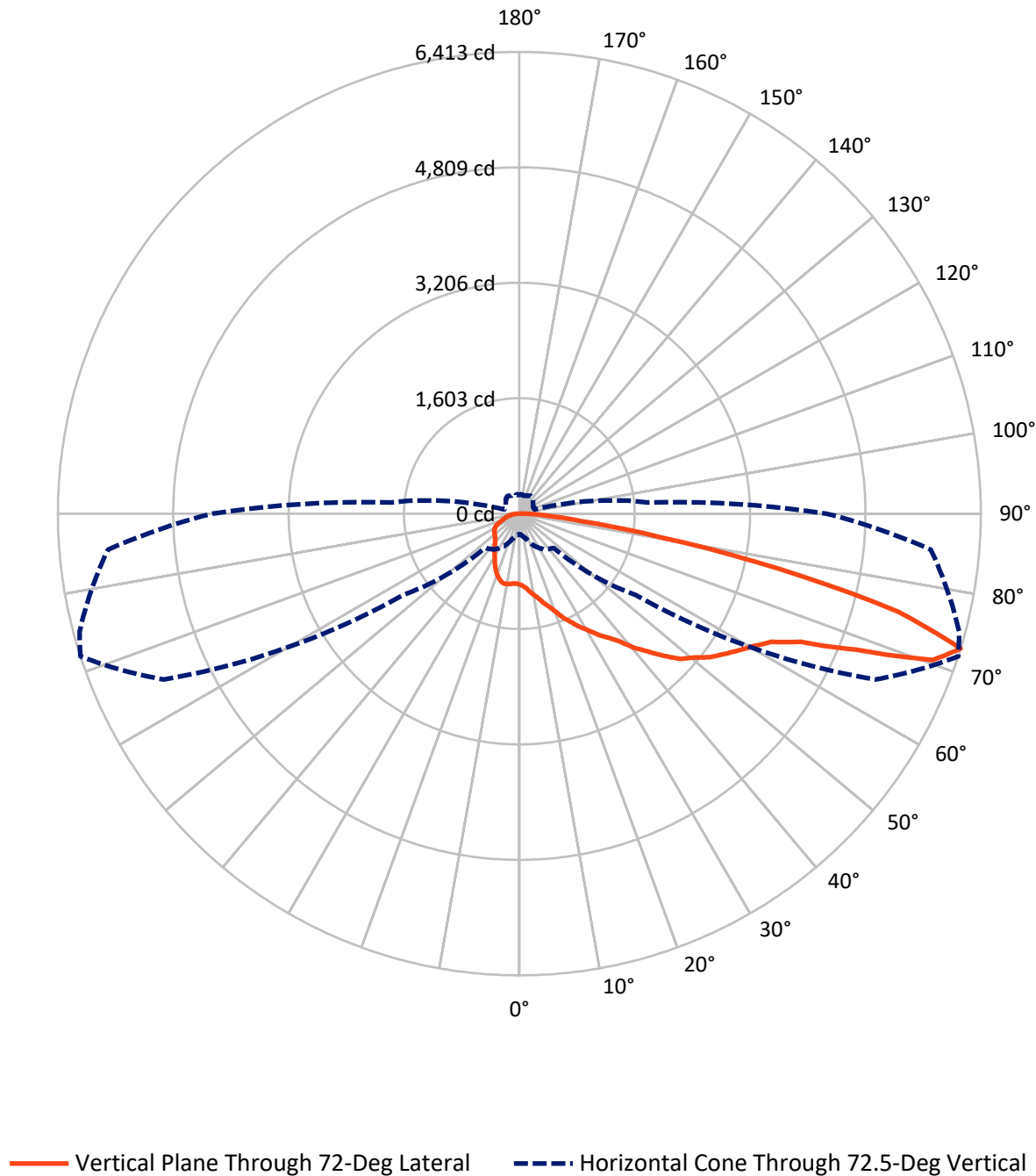
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 fc
 Type II - Medium - N/A

REPORT NUMBER: P670645
CATALOG NUMBER: CCP-SA-2C-727-U-T2

Luminous Intensity Polar Plot



REPORT NUMBER: P670645

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

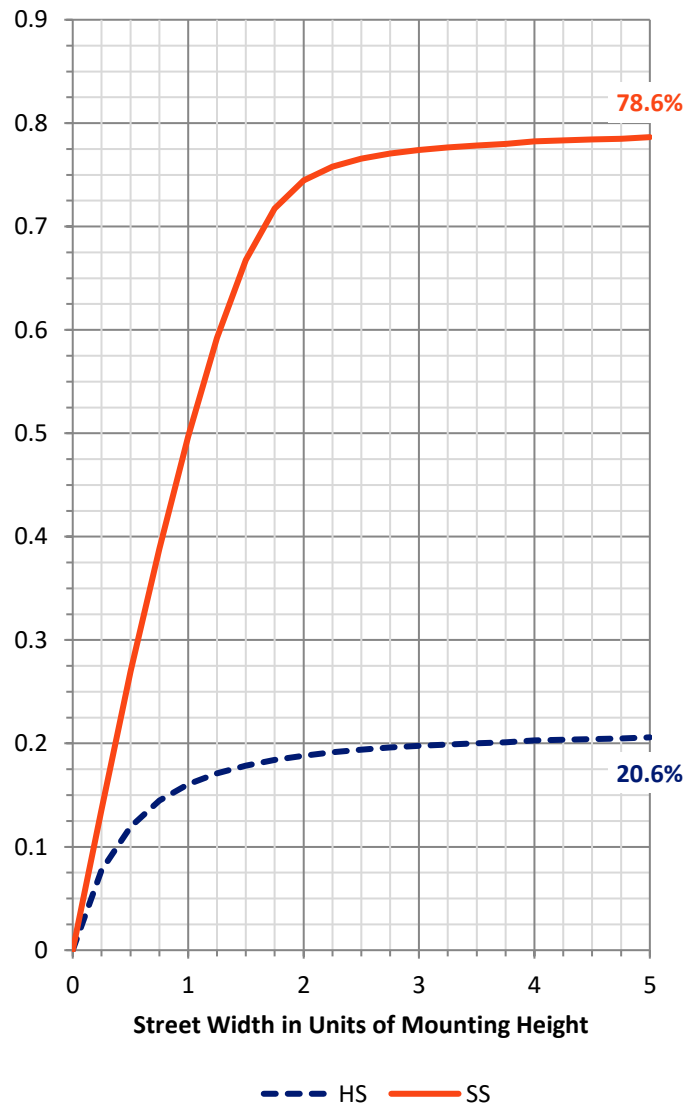
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1587.4	0.0	1587.4
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	5955.2	0.0	5955.2
	% Fixture	79.0	0.0	79.0
Total	Lumens	7542.5	0.0	7542.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.4	1.3
10°-20°	302.7	4.0
20°-30°	523.8	6.9
30°-40°	773.6	10.3
40°-50°	1150.5	15.3
50°-60°	1577.2	20.9
60°-70°	1710.8	22.7
70°-80°	1206.1	16.0
80°-90°	200.4	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°	7542.5	100.0
0°-180°	7542.5	100.0

Coefficient of Utilization



REPORT NUMBER: P670645

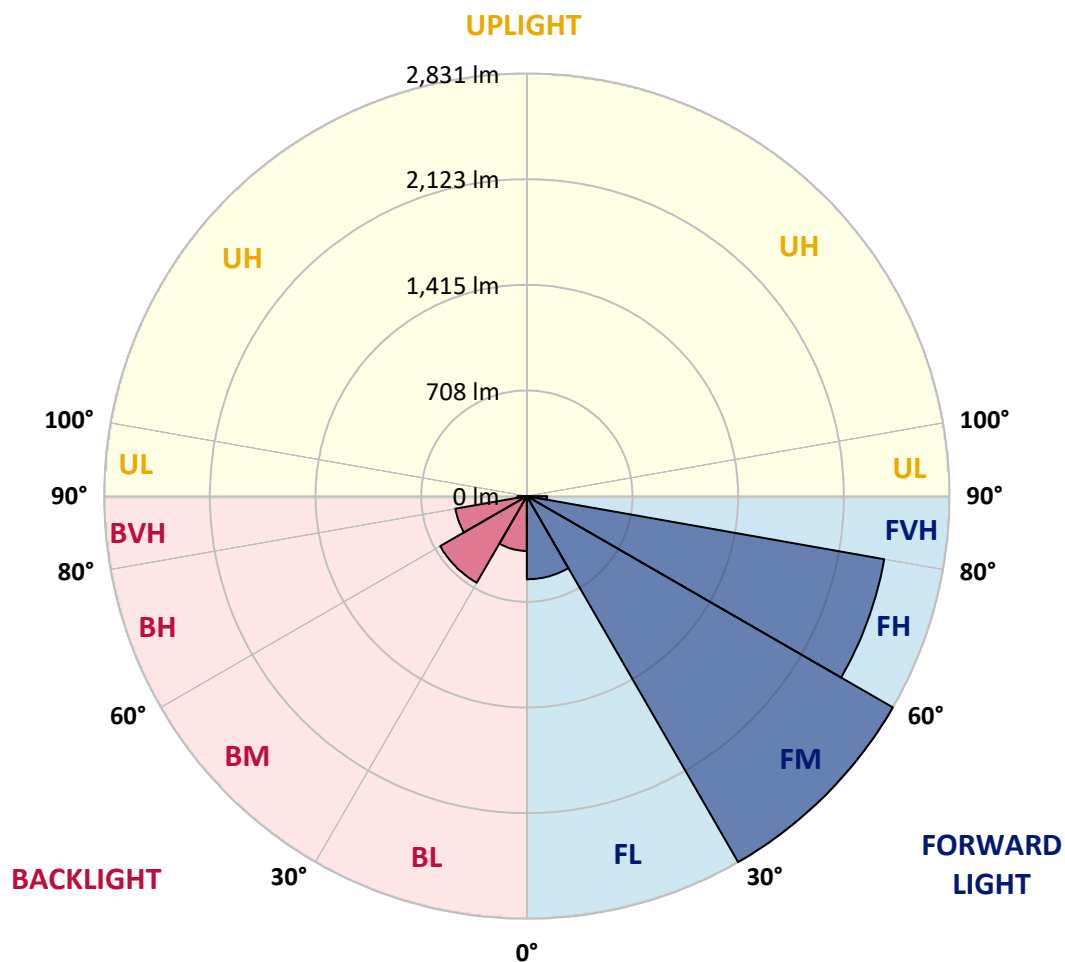
CATALOG NUMBER: CCP-SA-2C-727-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	557.0	7.4			
FM	(30°-60°)	2830.9	37.5			
FH	(60°-80°)	2430.7	32.2			G2/5000
FVH	(80°-90°)	136.6	1.8			G2/225
BL	(0°-30°)	366.9	4.9	B1/500		
BM	(30°-60°)	670.5	8.9	B1/1000		
BH	(60°-80°)	486.2	6.4	B1/500		G1/500
BVH	(80°-90°)	63.8	0.8			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 Medium





REPORT NUMBER: P670645

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	985.3	985.3	985.3	985.3	985.3	985.3	985.3	985.3	985.3	985.3	985.3
2.5°	1063.2	1063.2	1054.8	1052.1	1052.1	1029.8	1032.6	1018.7	1007.5	1007.5	996.4
5°	1118.9	1113.3	1113.3	1113.3	1099.4	1091.0	1088.2	1063.2	1043.7	1046.5	1013.1
7.5°	1132.8	1135.6	1138.3	1152.3	1143.9	1149.5	1143.9	1116.1	1102.2	1088.2	1057.6
10°	1141.1	1146.7	1146.7	1166.2	1166.2	1180.1	1188.4	1177.3	1152.3	1138.3	1088.2
12.5°	1160.6	1152.3	1163.4	1177.3	1191.2	1216.3	1241.3	1230.2	1213.5	1196.8	1141.1
15°	1160.6	1163.4	1171.7	1194.0	1216.3	1241.3	1285.9	1302.6	1294.2	1263.6	1205.1
17.5°	1127.2	1118.9	1157.8	1199.6	1241.3	1271.9	1330.4	1369.4	1363.8	1352.7	1263.6
20°	1130.0	1138.3	1152.3	1188.4	1255.2	1310.9	1383.3	1447.3	1461.2	1455.6	1341.5
22.5°	1180.1	1182.9	1196.8	1213.5	1266.4	1338.7	1447.3	1550.3	1575.3	1561.4	1427.8
25°	1230.2	1252.5	1252.5	1263.6	1283.1	1358.2	1489.0	1633.8	1669.9	1672.7	1516.9
27.5°	1310.9	1316.5	1333.2	1338.7	1355.4	1400.0	1536.4	1695.0	1778.5	1767.4	1597.6
30°	1405.5	1408.3	1419.5	1413.9	1416.7	1472.3	1580.9	1764.6	1878.7	1881.5	1683.9
32.5°	1516.9	1539.1	1544.7	1508.5	1514.1	1528.0	1650.5	1848.1	2003.9	1984.5	1759.0
35°	1681.1	1689.4	1672.7	1656.0	1614.3	1605.9	1722.8	1931.6	2112.5	2134.7	1870.3
37.5°	1884.3	1906.5	1884.3	1795.2	1750.7	1717.3	1811.9	2023.4	2243.3	2318.4	1981.7
40°	2073.5	2070.7	2048.5	1967.8	1889.8	1864.8	1939.9	2151.4	2446.5	2518.8	2143.1
42.5°	2226.6	2218.2	2204.3	2143.1	2070.7	2029.0	2087.4	2285.0	2616.2	2755.4	2329.6
45°	2360.2	2349.1	2351.8	2282.3	2212.7	2234.9	2234.9	2438.1	2816.6	2989.2	2543.9
47.5°	2485.4	2491.0	2482.7	2429.8	2376.9	2435.3	2404.7	2613.5	3014.3	3206.3	2724.8
50°	2630.2	2641.3	2613.5	2580.1	2532.8	2591.2	2552.2	2777.7	3142.3	3403.9	2941.9
52.5°	2766.5	2777.7	2802.7	2761.0	2713.7	2761.0	2671.9	2930.8	3312.1	3596.0	3108.9
55°	2799.9	2794.4	2933.5	2978.1	3003.1	2861.2	2777.7	3061.6	3445.7	3718.4	3298.1
57.5°	2646.9	2660.8	2850.0	2978.1	3245.3	3122.8	2897.4	3214.6	3584.8	3879.8	3473.5
60°	2265.6	2273.9	2510.5	2813.9	3203.5	3367.7	3220.2	3412.3	3737.9	4016.2	3671.1
62.5°	1514.1	1578.1	1873.1	2349.1	2908.5	3434.5	3735.1	3746.2	3924.4	4188.8	3941.1
65°	798.8	829.4	1060.4	1444.5	2204.3	3203.5	4219.4	4408.7	4297.3	4506.1	4330.7
67.5°	523.2	534.4	659.6	876.7	1271.9	2337.9	4275.1	5558.1	5046.0	5110.0	4954.2
70°	389.7	395.2	487.1	648.5	787.7	1249.7	3504.1	6095.3	6092.5	5922.7	5694.5
72.5°	286.7	295.0	359.0	495.4	606.7	673.5	1970.5	5452.4	6412.6	6326.3	5739.0
75°	225.4	231.0	264.4	384.1	489.9	442.5	999.2	4038.5	5438.5	5853.2	5252.0
77.5°	183.7	189.3	208.7	278.3	392.4	342.3	478.7	2605.1	3687.8	4213.8	4019.0
80°	153.1	153.1	167.0	197.6	303.4	258.8	283.9	1464.0	1987.2	2193.2	1823.0
82.5°	130.8	128.0	139.2	144.7	225.4	186.5	183.7	662.4	873.9	926.8	684.7
85°	83.5	86.3	130.8	125.2	147.5	128.0	103.0	314.5	411.9	420.3	256.1
87.5°	33.4	33.4	55.7	69.6	83.5	77.9	50.1	141.9	180.9	180.9	72.4
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: P670645

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	985.3	985.3	985.3	985.3	985.3	985.3	985.3	985.3	985.3	985.3	985.3
2.5°	993.6	982.5	974.1	968.6	954.7	940.7	943.5	940.7	929.6	924.0	924.0
5°	1004.8	993.6	979.7	957.4	943.5	926.8	932.4	921.3	910.1	918.5	904.6
7.5°	1032.6	1013.1	993.6	960.2	938.0	912.9	901.8	896.2	887.9	882.3	882.3
10°	1071.5	1043.7	1007.5	957.4	921.3	882.3	876.7	865.6	857.2	857.2	854.5
12.5°	1110.5	1079.9	1018.7	938.0	876.7	848.9	846.1	848.9	854.5	857.2	860.0
15°	1160.6	1110.5	1015.9	901.8	840.5	829.4	843.3	854.5	865.6	876.7	873.9
17.5°	1207.9	1149.5	990.8	857.2	809.9	812.7	837.8	860.0	882.3	893.4	896.2
20°	1271.9	1185.7	954.7	804.4	779.3	804.4	837.8	865.6	890.6	904.6	907.3
22.5°	1344.3	1227.4	907.3	757.0	754.3	779.3	812.7	854.5	882.3	907.3	904.6
25°	1408.3	1255.2	846.1	718.1	723.6	740.3	779.3	823.8	851.7	879.5	871.2
27.5°	1450.1	1260.8	782.1	690.2	690.2	706.9	743.1	771.0	796.0	818.3	821.1
30°	1497.4	1249.7	709.7	654.1	654.1	676.3	690.2	706.9	720.9	726.4	732.0
32.5°	1553.0	1224.6	665.2	626.2	626.2	642.9	651.3	645.7	642.9	629.0	637.4
35°	1605.9	1188.4	615.1	590.0	601.2	609.5	606.7	590.0	573.3	548.3	539.9
37.5°	1669.9	1152.3	570.6	551.1	570.6	573.3	573.3	553.9	531.6	501.0	501.0
40°	1767.4	1124.4	534.4	526.0	545.5	542.7	528.8	514.9	523.2	506.6	506.6
42.5°	1870.3	1113.3	501.0	503.8	512.1	514.9	501.0	484.3	517.7	498.2	501.0
45°	1998.4	1121.6	478.7	475.9	495.4	492.6	484.3	470.4	481.5	431.4	417.5
47.5°	2118.0	1138.3	467.6	456.5	478.7	484.3	473.2	442.5	425.8	395.2	389.7
50°	2226.6	1174.5	456.5	434.2	456.5	467.6	448.1	414.7	395.2	375.7	375.7
52.5°	2329.6	1227.4	450.9	409.1	428.6	442.5	431.4	398.0	375.7	367.4	359.0
55°	2435.3	1274.7	442.5	392.4	398.0	425.8	423.1	378.5	356.3	356.3	353.5
57.5°	2585.6	1338.7	431.4	364.6	375.7	406.4	406.4	370.2	345.1	347.9	350.7
60°	2738.7	1413.9	420.3	336.8	345.1	386.9	392.4	359.0	336.8	339.6	336.8
62.5°	2983.6	1553.0	398.0	303.4	320.1	361.8	375.7	345.1	325.6	331.2	331.2
65°	3353.8	1792.4	350.7	275.5	295.0	339.6	359.0	331.2	308.9	325.6	320.1
67.5°	3949.4	2120.8	295.0	253.3	278.3	317.3	339.6	314.5	295.0	320.1	311.7
70°	4483.8	2282.3	253.3	233.8	253.3	292.2	317.3	297.8	278.3	303.4	292.2
72.5°	4266.7	1789.6	219.9	211.5	231.0	264.4	295.0	275.5	256.1	270.0	258.8
75°	3682.2	1425.0	192.0	189.3	206.0	239.4	270.0	256.1	236.6	242.1	236.6
77.5°	2791.6	1177.3	164.2	161.4	175.3	214.3	242.1	231.0	211.5	208.7	208.7
80°	1246.9	578.9	136.4	136.4	144.7	183.7	206.0	200.4	180.9	178.1	175.3
82.5°	409.1	219.9	111.3	105.8	116.9	153.1	183.7	178.1	158.6	153.1	147.5
85°	164.2	105.8	80.7	80.7	91.8	128.0	164.2	153.1	128.0	114.1	114.1
87.5°	55.7	44.5	41.7	41.7	58.4	86.3	122.5	103.0	91.8	80.7	83.5
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)