

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: P671937

Luminaire Tested: **CCP-SA-1E-727-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671937
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-727-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ AFL
distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5770.1 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

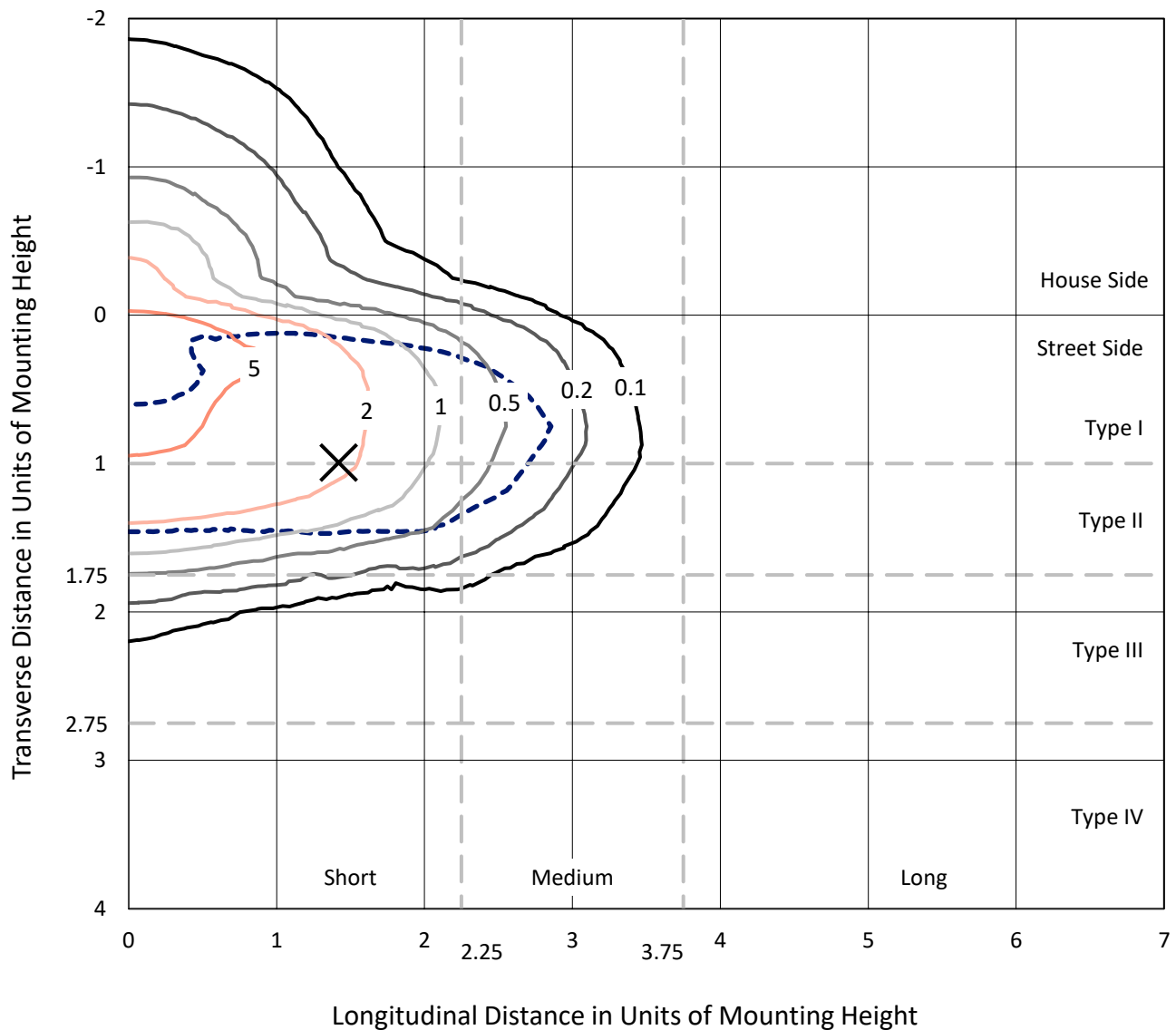
Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P671937

CATALOG NUMBER: CCP-SA-1E-727-U-AFL

Iso-Footcandle Lines of Horizontal Illumination

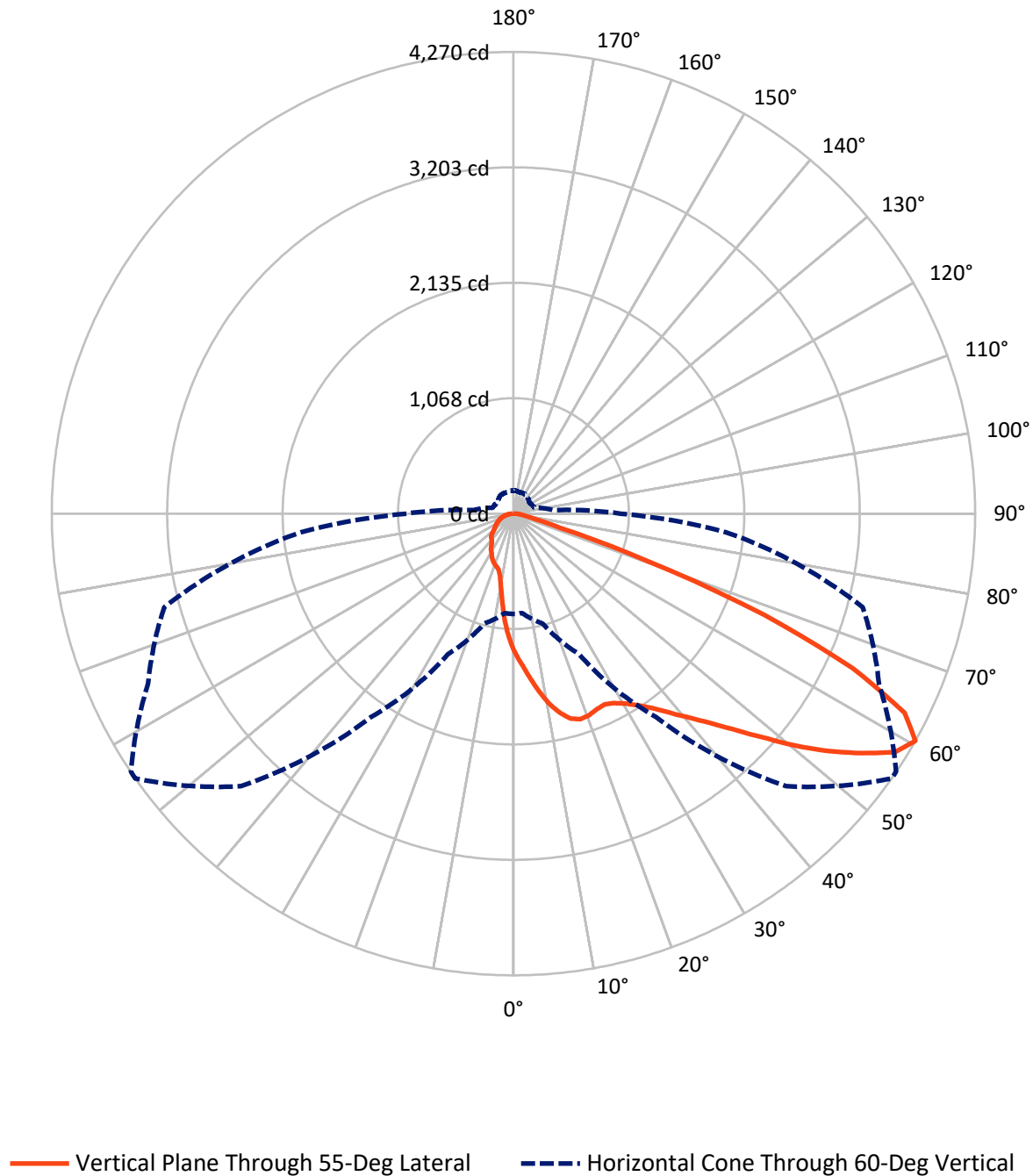
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8 fc
 Type II - Short - N/A

REPORT NUMBER: P671937
CATALOG NUMBER: CCP-SA-1E-727-U-AFL

Luminous Intensity Polar Plot



REPORT NUMBER: P671937

CATALOG NUMBER: CCP-SA-1E-727-U-AFL

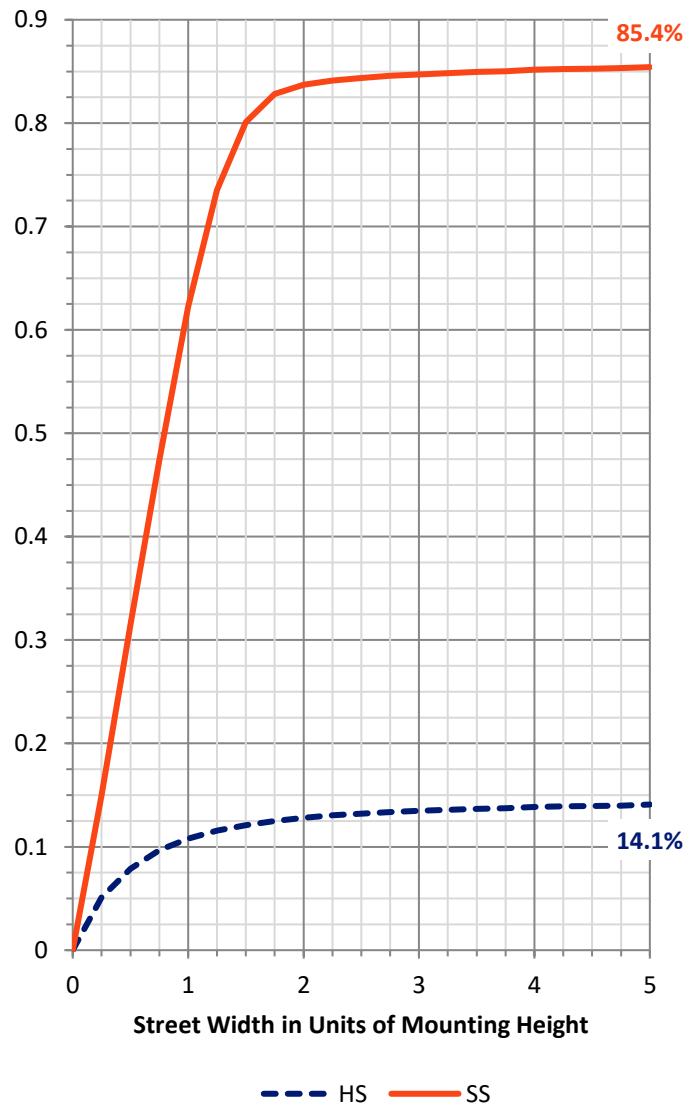
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	829.5	0.0	829.5
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	4940.7	0.0	4940.7
	% Fixture	85.6	0.0	85.6
Total	Lumens	5770.1	0.0	5770.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.8	2.1
10°-20°	339.3	5.9
20°-30°	552.4	9.6
30°-40°	825.7	14.3
40°-50°	1213.5	21.0
50°-60°	1422.3	24.6
60°-70°	937.8	16.3
70°-80°	298.6	5.2
80°-90°	60.7	1.1
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°	5770.1	100.0
0°-180°	5770.1	100.0



REPORT NUMBER: P671937

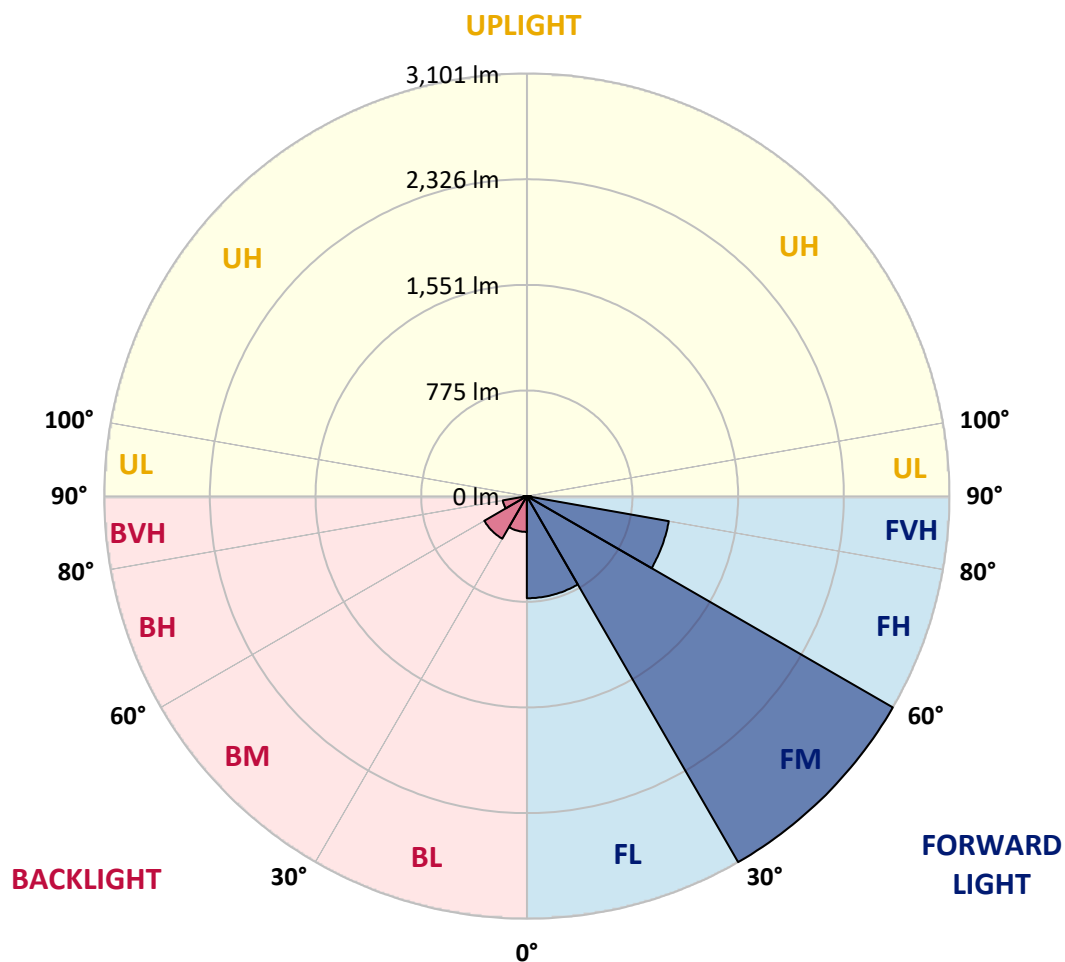
CATALOG NUMBER: CCP-SA-1E-727-U-AFL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	748.9	13.0			
FM	(30°-60°)	3101.0	53.7			
FH	(60°-80°)	1057.4	18.3			G1/1800
FVH	(80°-90°)	33.3	0.6			G1/100
BL	(0°-30°)	262.6	4.6	B1/500		
BM	(30°-60°)	360.5	6.2	B1/1000		
BH	(60°-80°)	179.0	3.1	B1/500		G1/500
BVH	(80°-90°)	27.4	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



REPORT NUMBER: P671937

CATALOG NUMBER: CCP-SA-1E-727-U-AFL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1279.7	1279.7	1279.7	1279.7	1279.7	1279.7	1279.7	1279.7	1279.7	1279.7	1279.7
2.5°	1489.2	1483.8	1483.8	1470.0	1449.5	1421.0	1387.2	1378.8	1365.8	1332.8	1290.1
5°	1716.3	1710.4	1702.5	1678.2	1640.2	1583.3	1511.8	1498.8	1452.4	1384.2	1307.3
7.5°	1866.4	1863.1	1860.6	1839.7	1802.0	1746.0	1650.2	1635.6	1557.0	1444.0	1323.6
10°	1850.9	1861.0	1878.5	1893.2	1900.7	1871.9	1781.9	1764.8	1667.4	1513.5	1347.9
12.5°	1705.8	1720.0	1752.7	1812.5	1881.5	1937.1	1886.1	1876.5	1785.3	1587.1	1378.4
15°	1597.9	1603.8	1619.7	1664.0	1766.9	1915.3	1966.8	1958.0	1895.3	1681.6	1413.5
17.5°	1564.5	1567.0	1570.8	1585.4	1655.6	1830.5	1999.8	2008.2	2001.9	1779.9	1453.2
20°	1581.2	1582.9	1583.3	1585.8	1619.3	1759.4	1991.0	2005.3	2095.6	1878.1	1492.5
22.5°	1645.6	1643.5	1640.6	1631.0	1649.8	1746.8	1967.6	1990.2	2167.9	1967.6	1528.9
25°	1758.1	1755.2	1734.7	1714.6	1722.6	1792.0	1955.1	1979.3	2224.4	2052.1	1555.7
27.5°	1891.9	1889.0	1868.1	1830.0	1821.7	1867.3	1984.4	1999.4	2265.8	2127.0	1567.4
30°	2030.8	2030.8	2004.8	1960.9	1934.2	1953.4	2038.3	2050.4	2297.2	2199.3	1574.9
32.5°	2182.2	2186.3	2146.2	2096.0	2066.3	2055.0	2114.0	2124.4	2342.7	2284.6	1590.8
35°	2376.6	2367.4	2318.5	2252.4	2204.7	2179.2	2207.7	2219.8	2409.7	2390.8	1616.3
37.5°	2595.3	2579.0	2518.8	2439.8	2356.5	2313.9	2332.7	2335.6	2508.8	2529.3	1662.8
40°	2776.0	2773.1	2722.1	2647.2	2542.2	2484.9	2475.7	2477.4	2646.4	2693.2	1733.0
42.5°	2928.2	2917.4	2908.1	2881.8	2770.6	2676.5	2638.8	2639.2	2795.7	2862.6	1803.7
45°	2995.6	2993.5	3020.6	3088.4	3008.5	2897.7	2844.2	2851.7	2966.7	3036.5	1871.9
47.5°	2966.7	2968.4	3041.1	3218.9	3266.1	3181.2	3086.3	3081.7	3132.3	3169.9	1932.1
50°	2709.1	2736.3	2933.2	3231.0	3435.1	3477.3	3370.3	3353.1	3277.4	3276.2	1968.9
52.5°	2514.6	2513.4	2634.2	3107.6	3494.9	3744.5	3648.4	3609.9	3397.4	3336.0	1971.8
55°	2252.0	2250.3	2340.2	2746.7	3376.1	3931.1	3910.6	3862.5	3507.4	3355.6	1951.7
57.5°	1705.4	1737.2	1826.7	2198.9	2999.7	3901.4	4161.1	4120.9	3614.9	3346.8	1948.0
60°	928.0	924.2	1053.9	1433.2	2296.7	3564.3	4270.2	4268.1	3729.1	3343.5	1971.0
62.5°	427.8	423.6	449.6	638.2	1316.9	2855.5	4059.4	4089.6	3834.9	3313.0	1968.9
65°	319.9	309.0	273.9	296.9	503.9	1704.6	3448.0	3528.3	3671.8	3187.5	1877.7
67.5°	285.2	274.8	233.8	219.1	253.0	601.4	2501.2	2575.3	3070.4	2952.5	1730.1
70°	261.4	252.2	211.2	188.2	189.9	266.4	1309.4	1454.9	2250.3	2464.0	1474.6
72.5°	238.4	230.4	193.2	165.6	159.8	176.1	446.2	538.2	1399.7	1795.7	1099.4
75°	214.1	206.6	174.0	148.5	137.2	130.5	212.4	228.8	740.2	991.5	590.1
77.5°	186.1	181.9	155.2	130.9	121.3	98.7	141.4	148.5	317.0	389.3	281.0
80°	161.8	158.5	138.4	118.8	108.7	76.1	97.4	102.5	156.4	194.5	157.2
82.5°	105.4	113.7	114.6	102.0	95.8	61.1	64.4	68.2	103.7	114.6	68.6
85°	43.5	52.7	79.0	70.3	66.5	51.9	42.7	43.5	63.6	66.9	24.7
87.5°	19.7	21.7	38.9	39.3	34.3	19.7	21.3	23.4	32.6	32.2	10.9
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: P671937

CATALOG NUMBER: CCP-SA-1E-727-U-AFL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1279.7	1279.7	1279.7	1279.7	1279.7	1279.7	1279.7	1279.7	1279.7	1279.7	1279.7
2.5°	1278.4	1259.2	1224.9	1181.0	1149.6	1126.6	1101.5	1083.1	1062.6	1044.7	1047.6
5°	1275.5	1238.3	1161.3	1079.8	1000.3	935.1	880.7	840.6	799.2	782.9	780.8
7.5°	1278.0	1214.9	1088.6	955.2	834.3	751.1	687.9	649.9	626.0	612.2	613.1
10°	1277.2	1192.7	1009.9	825.9	693.8	617.7	579.2	566.7	564.6	566.2	568.7
12.5°	1278.4	1162.6	921.7	709.7	593.0	554.1	555.8	567.1	574.2	578.8	581.7
15°	1283.9	1137.9	831.4	618.1	540.3	541.6	559.5	577.1	587.6	592.6	595.1
17.5°	1291.8	1107.0	751.1	548.7	518.1	537.4	560.8	579.6	587.6	590.5	592.6
20°	1292.7	1071.4	670.0	501.0	503.5	528.6	549.1	564.1	574.2	577.5	579.2
22.5°	1288.9	1023.3	586.7	466.3	486.8	511.9	529.4	546.6	533.2	522.3	519.4
25°	1273.0	962.7	515.6	437.9	465.9	489.3	509.4	490.5	484.3	475.9	476.7
27.5°	1238.7	887.0	448.7	411.1	441.2	474.7	460.0	457.5	449.6	441.2	441.2
30°	1193.5	807.1	392.7	383.1	411.5	428.2	431.6	427.8	423.2	412.3	413.2
32.5°	1153.0	722.6	353.0	359.7	392.7	392.7	407.3	407.3	390.6	360.1	360.1
35°	1112.8	643.2	323.7	340.0	361.7	368.9	388.9	362.6	338.7	324.9	324.1
37.5°	1081.5	575.4	304.4	323.3	331.6	349.6	350.0	330.8	322.8	310.3	309.0
40°	1063.1	518.6	292.7	314.9	315.7	332.5	304.9	310.3	308.6	299.0	297.8
42.5°	1053.0	474.7	284.0	307.8	303.6	287.3	282.3	291.5	294.4	289.4	287.3
45°	1045.1	440.4	276.8	283.1	294.0	264.3	262.2	269.3	275.6	275.2	273.5
47.5°	1040.9	416.5	270.6	267.6	269.7	250.5	246.3	249.7	257.6	262.6	262.2
50°	1024.6	398.1	261.4	251.8	238.4	238.4	236.3	236.3	245.9	255.9	256.8
52.5°	995.7	376.4	248.0	236.7	221.2	227.9	228.8	227.1	237.1	248.0	248.8
55°	963.9	360.1	230.0	222.9	207.0	218.3	222.1	220.4	227.1	234.6	234.2
57.5°	964.4	359.7	214.5	209.1	193.6	206.2	215.4	215.8	215.4	220.8	220.8
60°	988.6	368.0	202.4	190.7	178.2	193.2	208.3	208.3	205.3	213.3	214.1
62.5°	995.7	367.2	194.9	173.1	164.4	181.5	197.8	200.3	198.2	209.5	210.8
65°	933.0	347.5	187.4	157.2	151.8	168.5	184.8	192.0	189.9	204.5	206.2
67.5°	846.0	322.0	175.6	143.0	138.8	156.0	171.5	179.0	178.6	197.8	198.6
70°	729.3	290.6	161.0	128.4	126.3	141.4	155.2	163.1	166.9	189.0	188.6
72.5°	565.0	249.2	138.8	112.9	112.5	126.3	138.4	147.2	154.3	175.6	175.6
75°	364.3	196.1	113.3	97.9	96.2	109.1	121.7	131.7	153.5	187.4	186.9
77.5°	222.5	149.7	91.2	81.5	81.1	92.8	105.4	122.5	167.7	166.9	162.3
80°	133.4	107.5	72.8	65.2	65.2	76.1	89.9	131.3	139.3	158.9	150.1
82.5°	69.4	66.1	54.4	48.1	50.2	59.8	82.0	105.0	113.7	96.6	88.7
85°	28.4	35.1	33.5	30.5	31.8	41.4	79.0	84.1	67.3	70.7	71.1
87.5°	9.6	15.5	15.5	12.1	13.4	29.3	46.8	28.0	33.9	20.1	15.1
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)