

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: P671668

Luminaire Tested: **CCP-SA-1B-735-U-SLL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671668
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-735-U-SLL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ SLL
distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2826.3 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 24
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

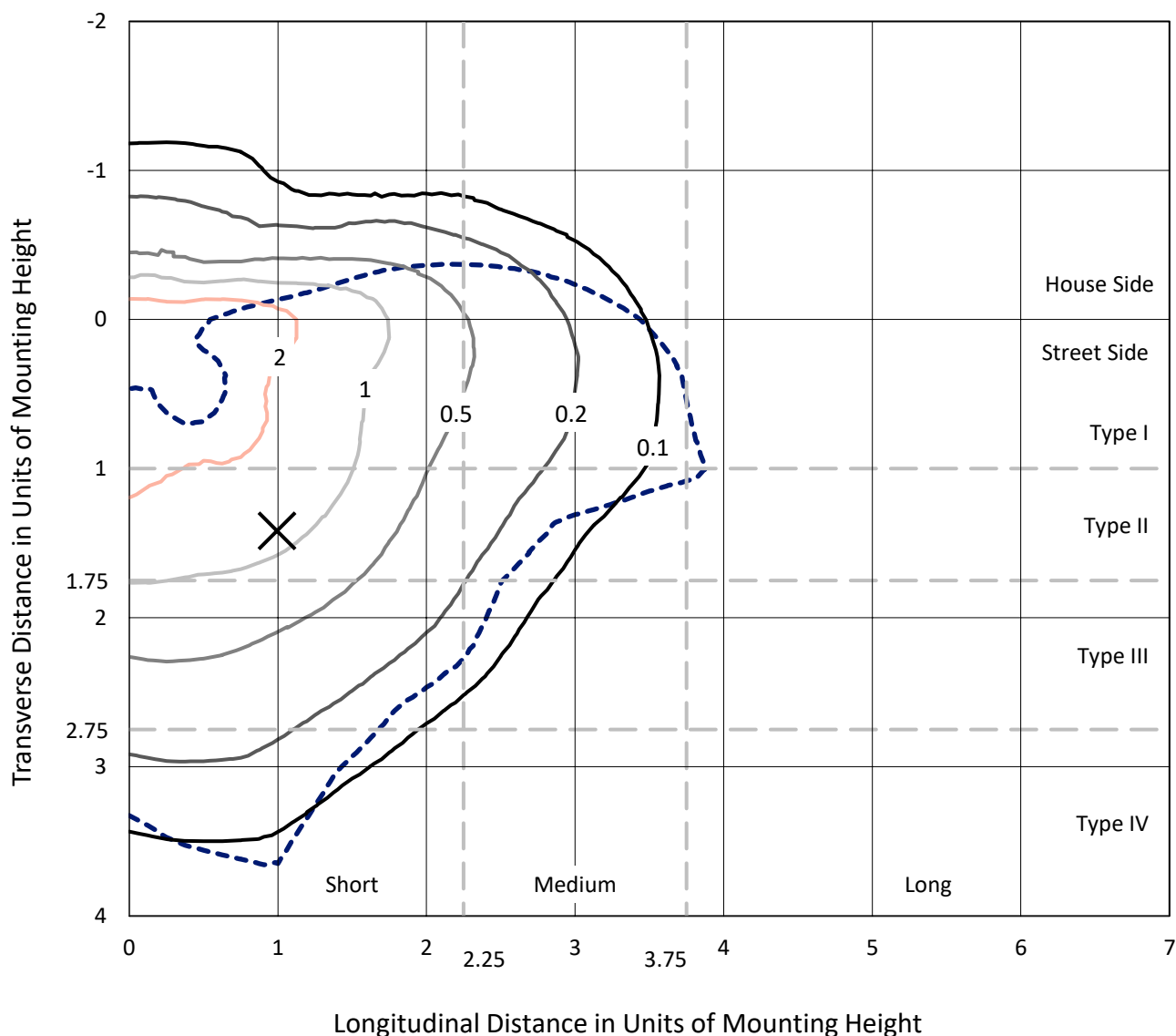
REPORT NUMBER: P671668

CATALOG NUMBER: CCP-SA-1B-735-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

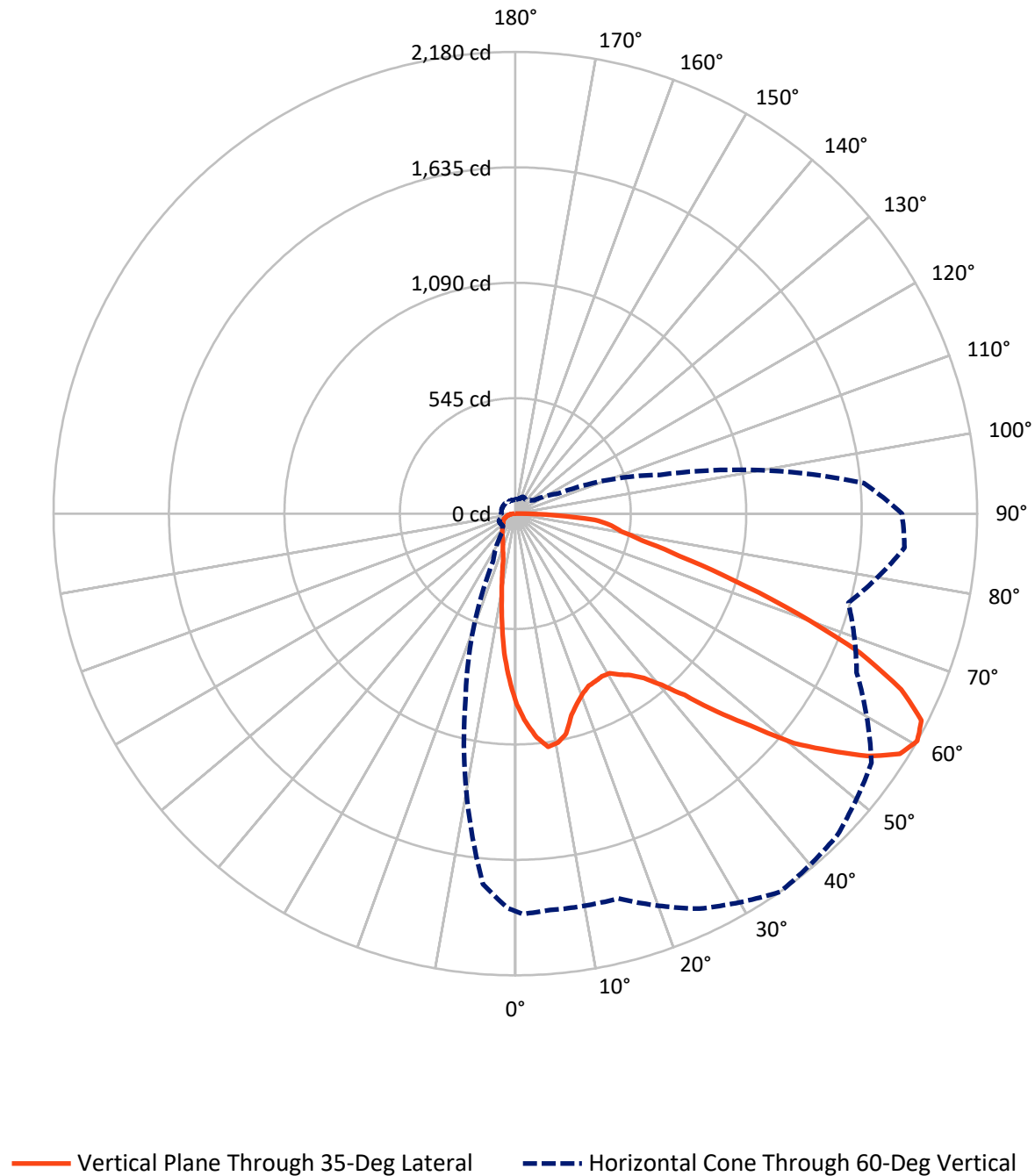


Based on 15 foot mounting height. Maximum calculated value = 4.6 fc

Type IV - Short - N/A

REPORT NUMBER: P671668
CATALOG NUMBER: CCP-SA-1B-735-U-SLL

Luminous Intensity Polar Plot



REPORT NUMBER: P671668

CATALOG NUMBER: CCP-SA-1B-735-U-SLL

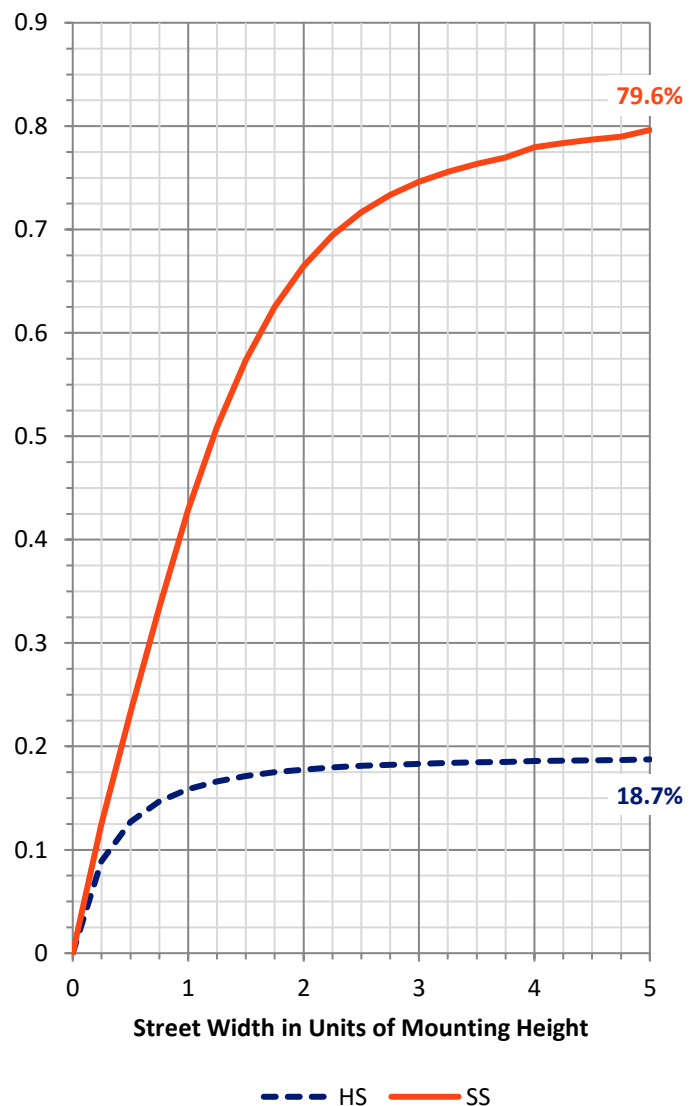
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	537.9	0.0	537.9
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	2288.4	0.0	2288.4
	% Fixture	81.0	0.0	81.0
Total	Lumens	2826.3	0.0	2826.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	2.5
10°-20°	148.1	5.2
20°-30°	216.6	7.7
30°-40°	305.2	10.8
40°-50°	419.5	14.8
50°-60°	571.7	20.2
60°-70°	625.7	22.1
70°-80°	361.2	12.8
80°-90°	108.2	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°	2826.3	100.0
0°-180°	2826.3	100.0

Coefficient of Utilization



REPORT NUMBER: P671668

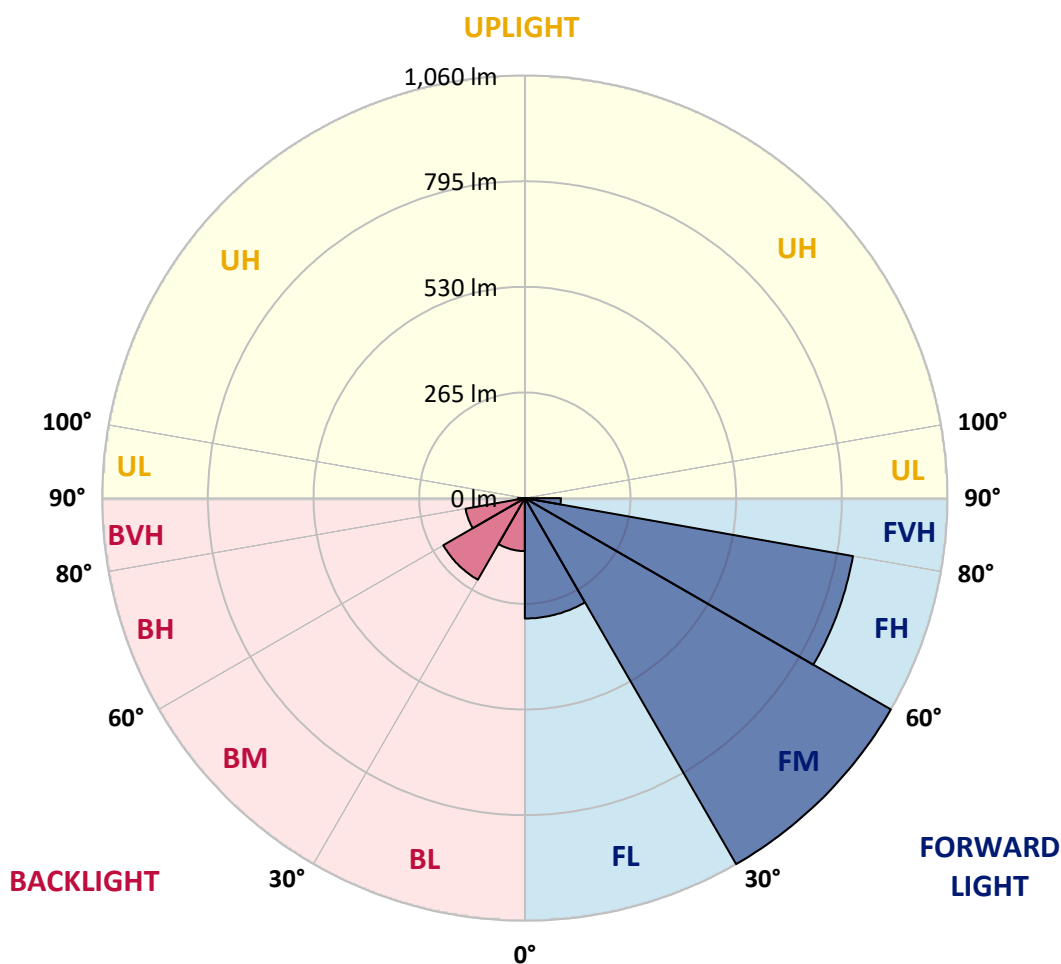
CATALOG NUMBER: CCP-SA-1B-735-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	301.9	10.7			
FM	(30°-60°)	1060.1	37.5			
FH	(60°-80°)	835.8	29.6			G1/1800
FVH	(80°-90°)	90.5	3.2			G1/100
BL	(0°-30°)	132.9	4.7	B1/500		
BM	(30°-60°)	236.3	8.4	B1/1000		
BH	(60°-80°)	151.1	5.3	B1/500		G1/500
BVH	(80°-90°)	17.6	0.6			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 IV Short



REPORT NUMBER: P671668

CATALOG NUMBER: CCP-SA-1B-735-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	902.7	902.7	902.7	902.7	902.7	902.7	902.7	902.7	902.7	902.7	902.7
2.5°	966.6	962.9	966.6	980.4	984.2	990.5	990.5	981.7	965.4	957.9	945.3
5°	988.0	981.7	1013.0	1041.9	1064.4	1061.9	1040.6	1023.1	990.5	941.6	895.2
7.5°	945.3	951.6	974.2	1049.4	1102.0	1112.1	1078.2	1043.1	972.9	905.2	842.5
10°	865.1	873.9	922.8	1000.5	1083.2	1099.5	1078.2	1035.6	951.6	867.6	794.9
12.5°	826.2	846.3	875.1	969.1	1028.1	1066.9	1056.9	1029.3	935.3	836.3	766.0
15°	826.2	831.2	873.9	952.9	986.7	988.0	991.7	996.7	940.3	850.0	756.0
17.5°	852.6	866.3	902.7	951.6	957.9	942.8	942.8	964.1	950.3	888.9	792.4
20°	916.5	911.5	959.1	979.2	945.3	907.7	904.0	940.3	961.6	930.3	858.8
22.5°	980.4	1003.0	1041.9	996.7	934.0	883.9	878.9	924.0	995.5	1001.7	935.3
25°	1077.0	1099.5	1119.6	1064.4	932.8	877.6	881.4	916.5	1036.9	1103.3	1063.2
27.5°	1181.0	1194.8	1223.7	1138.4	962.9	870.1	873.9	926.5	1075.7	1169.7	1163.5
30°	1240.0	1255.0	1248.7	1152.2	982.9	875.1	865.1	940.3	1054.4	1169.7	1228.7
32.5°	1297.6	1288.9	1285.1	1174.8	1008.0	906.5	881.4	969.1	1066.9	1188.6	1312.7
35°	1367.8	1355.3	1345.3	1218.6	1049.4	936.6	925.3	1006.8	1094.5	1227.4	1380.4
37.5°	1445.6	1445.6	1396.7	1251.2	1098.3	985.4	972.9	1060.7	1138.4	1251.2	1473.2
40°	1537.1	1540.9	1454.4	1295.1	1153.5	1063.2	1059.4	1130.9	1181.0	1286.3	1562.2
42.5°	1604.8	1607.3	1504.5	1311.4	1217.4	1171.0	1187.3	1243.7	1229.9	1317.7	1568.4
45°	1651.2	1638.7	1539.6	1357.8	1287.6	1332.7	1337.8	1354.1	1293.9	1336.5	1593.5
47.5°	1673.8	1671.2	1554.7	1411.7	1435.5	1497.0	1525.8	1503.2	1352.8	1316.4	1593.5
50°	1696.3	1675.0	1568.4	1485.7	1579.7	1703.8	1697.6	1656.2	1434.3	1341.5	1569.7
52.5°	1711.4	1692.6	1596.0	1552.1	1717.6	1858.1	1883.1	1806.7	1529.6	1387.9	1581.0
55°	1765.3	1750.2	1678.8	1642.4	1876.9	2021.0	2024.8	1918.2	1629.9	1464.4	1655.0
57.5°	1830.5	1839.3	1792.9	1770.3	1998.5	2140.2	2126.4	2001.0	1715.1	1557.2	1740.2
60°	1876.9	1890.7	1879.4	1881.9	2058.7	2180.3	2148.9	2052.4	1777.8	1627.4	1844.3
62.5°	1851.8	1879.4	1925.8	1915.7	2061.2	2151.4	2107.6	1984.7	1785.3	1718.9	1923.3
65°	1782.8	1785.3	1875.6	1930.8	1948.3	2002.2	1944.6	1843.0	1707.6	1775.3	1912.0
67.5°	1606.1	1626.1	1707.6	1815.4	1741.5	1754.0	1749.0	1602.3	1589.8	1736.4	1825.5
70°	1418.0	1431.8	1520.8	1647.4	1470.6	1411.7	1423.0	1313.9	1365.3	1616.1	1651.2
72.5°	1172.3	1181.0	1282.6	1394.2	1179.8	1074.5	1100.8	1011.8	1084.5	1414.2	1392.9
75°	885.1	901.4	980.4	1112.1	868.8	801.1	827.5	791.1	858.8	1164.7	1080.7
77.5°	629.4	616.8	714.6	870.1	653.2	613.1	615.6	621.9	694.6	981.7	776.1
80°	428.8	432.5	520.3	638.2	512.8	506.5	500.2	550.4	583.0	777.3	564.2
82.5°	254.5	254.5	351.1	453.9	405.0	456.4	427.5	472.7	456.4	571.7	369.9
85°	119.1	119.1	180.5	327.2	313.4	376.1	319.7	357.3	337.3	398.7	166.7
87.5°	20.1	17.6	36.4	160.5	129.1	146.7	57.7	190.6	211.9	278.3	41.4
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: P671668

CATALOG NUMBER: CCP-SA-1B-735-U-SLL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	902.7	902.7	902.7	902.7	902.7	902.7	902.7	902.7	902.7	902.7	902.7
2.5°	931.5	922.8	905.2	882.6	863.8	840.0	832.5	816.2	793.6	791.1	781.1
5°	877.6	847.5	809.9	763.5	732.2	699.6	672.0	655.7	636.9	634.4	629.4
7.5°	818.7	781.1	718.4	663.2	609.3	557.9	532.8	501.5	480.2	463.9	456.4
10°	763.5	728.4	650.7	575.5	527.8	494.0	463.9	431.3	405.0	384.9	377.4
12.5°	727.2	685.8	601.8	530.3	495.2	456.4	422.5	387.4	353.6	327.2	313.4
15°	710.9	672.0	586.8	507.8	456.4	402.5	363.6	328.5	287.1	268.3	262.0
17.5°	749.7	692.1	581.7	481.4	408.7	347.3	299.6	262.0	231.9	213.1	205.6
20°	799.9	728.4	590.5	450.1	363.6	294.6	242.0	201.9	181.8	168.0	166.7
22.5°	863.8	782.3	604.3	427.5	313.4	237.0	189.3	165.5	151.7	150.5	147.9
25°	977.9	880.1	626.9	397.4	273.3	195.6	161.7	147.9	141.7	137.9	140.4
27.5°	1075.7	944.1	643.2	378.6	257.0	184.3	156.7	141.7	135.4	134.2	135.4
30°	1133.4	1003.0	638.2	343.5	224.4	175.5	166.7	161.7	149.2	139.2	139.2
32.5°	1186.0	1040.6	636.9	312.2	191.8	146.7	139.2	135.4	142.9	147.9	144.2
35°	1258.8	1099.5	633.1	294.6	178.0	135.4	122.9	112.8	107.8	105.3	109.1
37.5°	1336.5	1139.7	623.1	292.1	170.5	129.1	119.1	109.1	104.1	101.6	100.3
40°	1421.8	1182.3	611.8	279.6	166.7	125.4	115.3	106.6	100.3	96.5	95.3
42.5°	1476.9	1216.1	600.5	273.3	159.2	122.9	111.6	104.1	97.8	92.8	92.8
45°	1508.3	1256.3	589.3	267.0	150.5	124.1	111.6	101.6	94.0	91.5	89.0
47.5°	1522.1	1286.3	585.5	257.0	142.9	119.1	109.1	99.0	91.5	86.5	85.3
50°	1558.4	1350.3	599.3	249.5	134.2	114.1	115.3	97.8	90.3	84.0	82.7
52.5°	1579.7	1401.7	629.4	238.2	127.9	107.8	112.8	95.3	86.5	80.2	80.2
55°	1657.5	1486.9	662.0	229.4	120.4	99.0	104.1	90.3	80.2	76.5	76.5
57.5°	1756.5	1577.2	689.6	225.7	115.3	92.8	92.8	87.8	76.5	71.5	70.2
60°	1825.5	1651.2	705.9	223.2	110.3	86.5	82.7	87.8	72.7	67.7	66.4
62.5°	1833.0	1608.6	689.6	221.9	109.1	80.2	75.2	84.0	69.0	63.9	61.4
65°	1785.3	1522.1	644.4	216.9	107.8	74.0	70.2	72.7	63.9	60.2	57.7
67.5°	1690.1	1381.6	579.2	214.4	106.6	69.0	63.9	62.7	58.9	55.2	52.7
70°	1468.1	1198.6	502.8	203.1	104.1	65.2	57.7	56.4	52.7	50.2	48.9
72.5°	1232.4	980.4	415.0	188.1	99.0	58.9	52.7	50.2	48.9	45.1	43.9
75°	944.1	754.8	332.2	166.7	86.5	52.7	46.4	43.9	42.6	40.1	38.9
77.5°	663.2	561.7	245.7	135.4	72.7	47.6	41.4	38.9	37.6	33.9	33.9
80°	450.1	393.7	166.7	94.0	56.4	38.9	36.4	33.9	31.3	28.8	28.8
82.5°	279.6	275.8	120.4	61.4	41.4	31.3	28.8	28.8	25.1	22.6	22.6
85°	127.9	169.3	84.0	42.6	31.3	23.8	23.8	22.6	20.1	16.3	16.3
87.5°	40.1	56.4	43.9	18.8	17.6	13.8	13.8	12.5	12.5	10.0	10.0
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: P671668

CATALOG NUMBER: CCP-SA-1B-735-U-SLL

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	902.7	902.7	902.7	902.7	902.7	902.7	902.7	902.7	902.7	902.7	902.7
2.5°	791.1	789.9	789.9	784.8	797.4	797.4	804.9	798.6	802.4	803.7	813.7
5°	628.1	638.2	645.7	660.7	669.5	673.3	673.3	683.3	679.5	687.1	702.1
7.5°	460.1	472.7	495.2	514.0	529.1	534.1	532.8	535.4	539.1	530.3	532.8
10°	372.4	363.6	371.1	388.7	402.5	418.8	406.2	405.0	408.7	405.0	412.5
12.5°	310.9	300.9	294.6	294.6	304.7	312.2	308.4	314.7	328.5	332.2	341.0
15°	252.0	243.2	238.2	231.9	242.0	244.5	248.2	257.0	267.0	272.1	282.1
17.5°	201.9	201.9	201.9	196.8	200.6	204.4	205.6	216.9	218.2	223.2	226.9
20°	165.5	169.3	175.5	178.0	181.8	181.8	179.3	185.6	180.5	184.3	186.8
22.5°	149.2	154.2	156.7	158.0	163.0	164.2	158.0	159.2	160.5	156.7	158.0
25°	140.4	142.9	140.4	141.7	142.9	140.4	141.7	144.2	142.9	145.4	144.2
27.5°	136.7	134.2	132.9	131.6	131.6	129.1	130.4	130.4	132.9	134.2	134.2
30°	136.7	132.9	127.9	124.1	124.1	120.4	122.9	125.4	126.6	129.1	129.1
32.5°	140.4	132.9	124.1	120.4	116.6	114.1	116.6	120.4	125.4	126.6	127.9
35°	111.6	115.3	114.1	109.1	107.8	107.8	106.6	106.6	102.8	102.8	101.6
37.5°	100.3	99.0	101.6	102.8	104.1	100.3	100.3	95.3	94.0	95.3	95.3
40°	94.0	94.0	94.0	97.8	99.0	96.5	92.8	90.3	90.3	90.3	91.5
42.5°	91.5	89.0	87.8	90.3	94.0	91.5	87.8	86.5	86.5	87.8	87.8
45°	87.8	86.5	85.3	84.0	89.0	85.3	84.0	82.7	82.7	82.7	84.0
47.5°	84.0	82.7	80.2	80.2	81.5	80.2	79.0	79.0	79.0	81.5	81.5
50°	81.5	80.2	77.7	77.7	77.7	77.7	76.5	76.5	76.5	77.7	79.0
52.5°	77.7	76.5	75.2	74.0	74.0	74.0	74.0	74.0	74.0	75.2	76.5
55°	74.0	72.7	71.5	71.5	72.7	72.7	71.5	72.7	71.5	72.7	74.0
57.5°	70.2	69.0	67.7	69.0	70.2	69.0	69.0	69.0	69.0	69.0	70.2
60°	65.2	65.2	65.2	65.2	67.7	67.7	67.7	67.7	65.2	66.4	67.7
62.5°	62.7	61.4	61.4	62.7	63.9	63.9	65.2	63.9	62.7	63.9	63.9
65°	57.7	57.7	57.7	58.9	58.9	60.2	60.2	60.2	58.9	60.2	60.2
67.5°	53.9	53.9	53.9	53.9	56.4	56.4	56.4	56.4	55.2	55.2	56.4
70°	47.6	48.9	47.6	50.2	52.7	51.4	52.7	52.7	51.4	50.2	52.7
72.5°	43.9	43.9	43.9	43.9	47.6	47.6	47.6	48.9	47.6	46.4	47.6
75°	38.9	38.9	38.9	40.1	42.6	42.6	42.6	42.6	42.6	41.4	41.4
77.5°	33.9	35.1	33.9	35.1	37.6	36.4	37.6	38.9	37.6	36.4	36.4
80°	28.8	28.8	28.8	30.1	31.3	31.3	31.3	32.6	31.3	30.1	30.1
82.5°	22.6	22.6	23.8	23.8	25.1	25.1	25.1	26.3	25.1	23.8	23.8
85°	17.6	17.6	17.6	18.8	18.8	20.1	20.1	21.3	21.3	20.1	20.1
87.5°	11.3	10.0	11.3	11.3	12.5	12.5	11.3	10.0	11.3	10.0	8.8
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: P671668

CATALOG NUMBER: CCP-SA-1B-735-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	902.7	902.7	902.7	902.7	902.7	902.7	902.7	902.7	902.7	902.7
2.5°	823.7	846.3	862.6	873.9	890.2	921.5	934.0	956.6	962.9	966.6
5°	708.4	732.2	767.3	792.4	821.2	880.1	925.3	959.1	974.2	988.0
7.5°	555.4	586.8	623.1	655.7	703.4	776.1	835.0	905.2	931.5	945.3
10°	433.8	462.6	502.8	542.9	609.3	670.8	754.8	818.7	855.1	865.1
12.5°	366.1	399.9	447.6	496.5	537.9	608.1	693.3	786.1	820.0	826.2
15°	310.9	357.3	406.2	456.4	504.0	565.4	657.0	769.8	820.0	826.2
17.5°	257.0	298.4	356.1	410.0	465.1	549.1	663.2	783.6	833.7	852.6
20°	204.4	244.5	289.6	357.3	432.5	521.6	677.0	830.0	896.4	916.5
22.5°	169.3	186.8	230.7	295.9	384.9	502.8	690.8	902.7	972.9	980.4
25°	147.9	160.5	188.1	249.5	347.3	490.2	723.4	986.7	1077.0	1077.0
27.5°	137.9	142.9	161.7	216.9	321.0	478.9	756.0	1079.5	1163.5	1181.0
30°	135.4	147.9	158.0	193.1	292.1	447.6	786.1	1152.2	1238.7	1240.0
32.5°	132.9	130.4	137.9	168.0	257.0	415.0	811.2	1226.2	1293.9	1297.6
35°	104.1	109.1	121.6	147.9	230.7	391.2	823.7	1266.3	1364.1	1367.8
37.5°	97.8	104.1	114.1	136.7	213.1	371.1	827.5	1344.0	1438.1	1445.6
40°	95.3	100.3	107.8	126.6	199.3	346.0	835.0	1424.3	1547.1	1537.1
42.5°	90.3	96.5	104.1	121.6	188.1	327.2	836.3	1468.1	1604.8	1604.8
45°	89.0	92.8	101.6	121.6	175.5	310.9	816.2	1512.0	1671.2	1651.2
47.5°	84.0	91.5	99.0	117.9	160.5	294.6	792.4	1534.6	1680.0	1673.8
50°	82.7	90.3	102.8	111.6	151.7	287.1	787.4	1591.0	1697.6	1696.3
52.5°	80.2	87.8	106.6	106.6	140.4	277.1	811.2	1616.1	1701.3	1711.4
55°	76.5	87.8	99.0	97.8	130.4	264.5	837.5	1681.3	1767.8	1765.3
57.5°	74.0	85.3	94.0	89.0	119.1	255.8	876.4	1744.0	1848.0	1830.5
60°	70.2	85.3	84.0	82.7	110.3	248.2	909.0	1756.5	1865.6	1876.9
62.5°	67.7	89.0	74.0	76.5	102.8	244.5	895.2	1662.5	1841.8	1851.8
65°	65.2	76.5	67.7	70.2	100.3	237.0	841.3	1549.6	1739.0	1782.8
67.5°	60.2	62.7	62.7	65.2	97.8	219.4	730.9	1346.5	1582.2	1606.1
70°	55.2	56.4	56.4	60.2	95.3	199.3	603.1	1164.7	1372.9	1418.0
72.5°	50.2	50.2	50.2	55.2	87.8	183.0	496.5	895.2	1140.9	1172.3
75°	43.9	43.9	43.9	48.9	79.0	166.7	391.2	665.7	840.0	885.1
77.5°	38.9	38.9	37.6	43.9	69.0	135.4	282.1	470.2	591.8	629.4
80°	32.6	31.3	31.3	35.1	53.9	97.8	181.8	332.2	412.5	428.8
82.5°	26.3	25.1	23.8	26.3	38.9	61.4	112.8	231.9	264.5	254.5
85°	25.1	26.3	21.3	20.1	27.6	40.1	71.5	142.9	119.1	119.1
87.5°	10.0	8.8	8.8	7.5	13.8	15.0	31.3	26.3	20.1	20.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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