

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: P677306

Luminaire Tested: **CCW-SA-1C-760-U-SLL-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P677306
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-760-U-SLL-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SLL distribution lens and House Side Shield
Light Source: (16) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

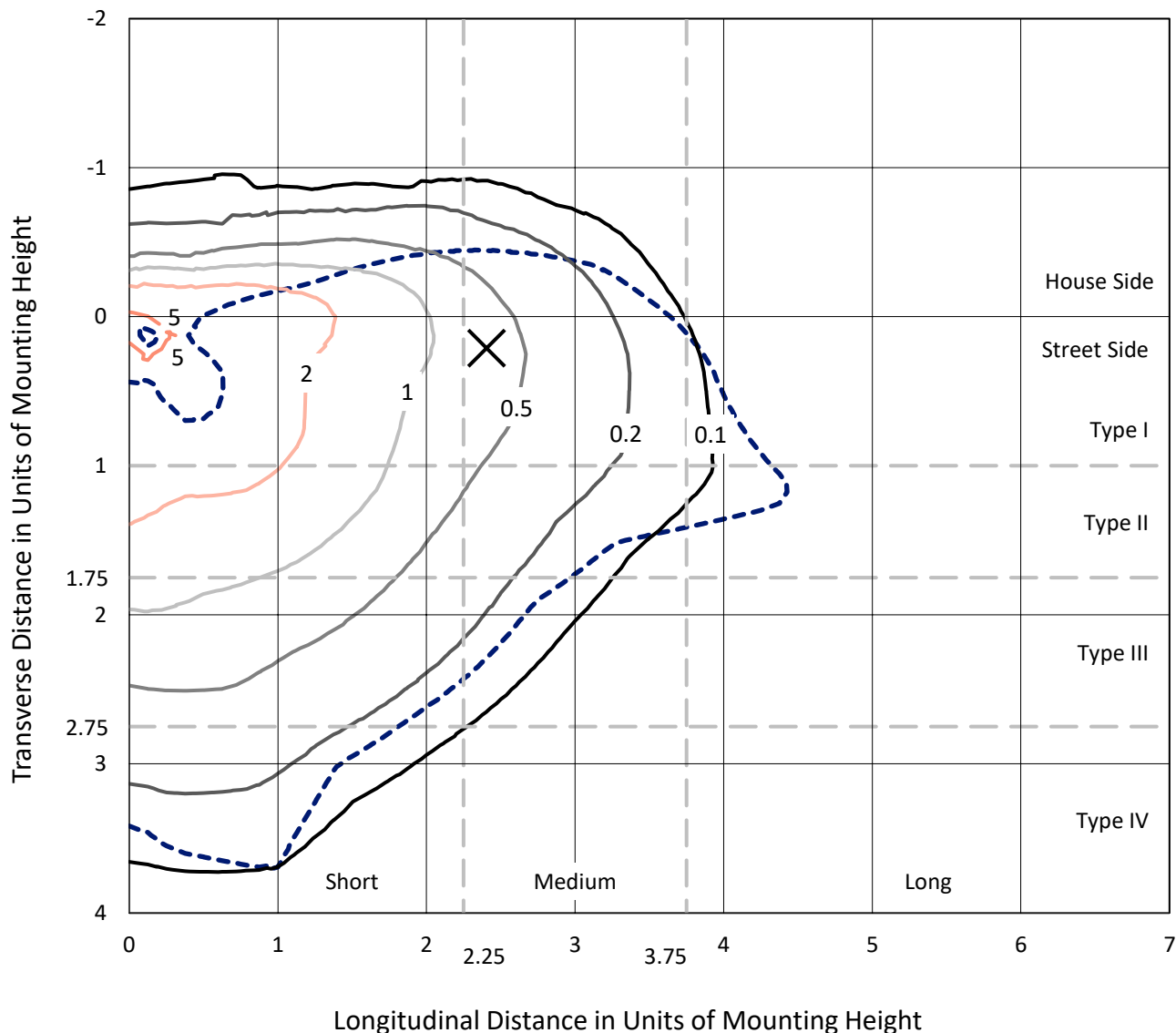
Lumens per Lamp: N/A
Luminaire Lumens: 3355.5 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 32
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: P677306
 CATALOG NUMBER: CCW-SA-1C-760-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

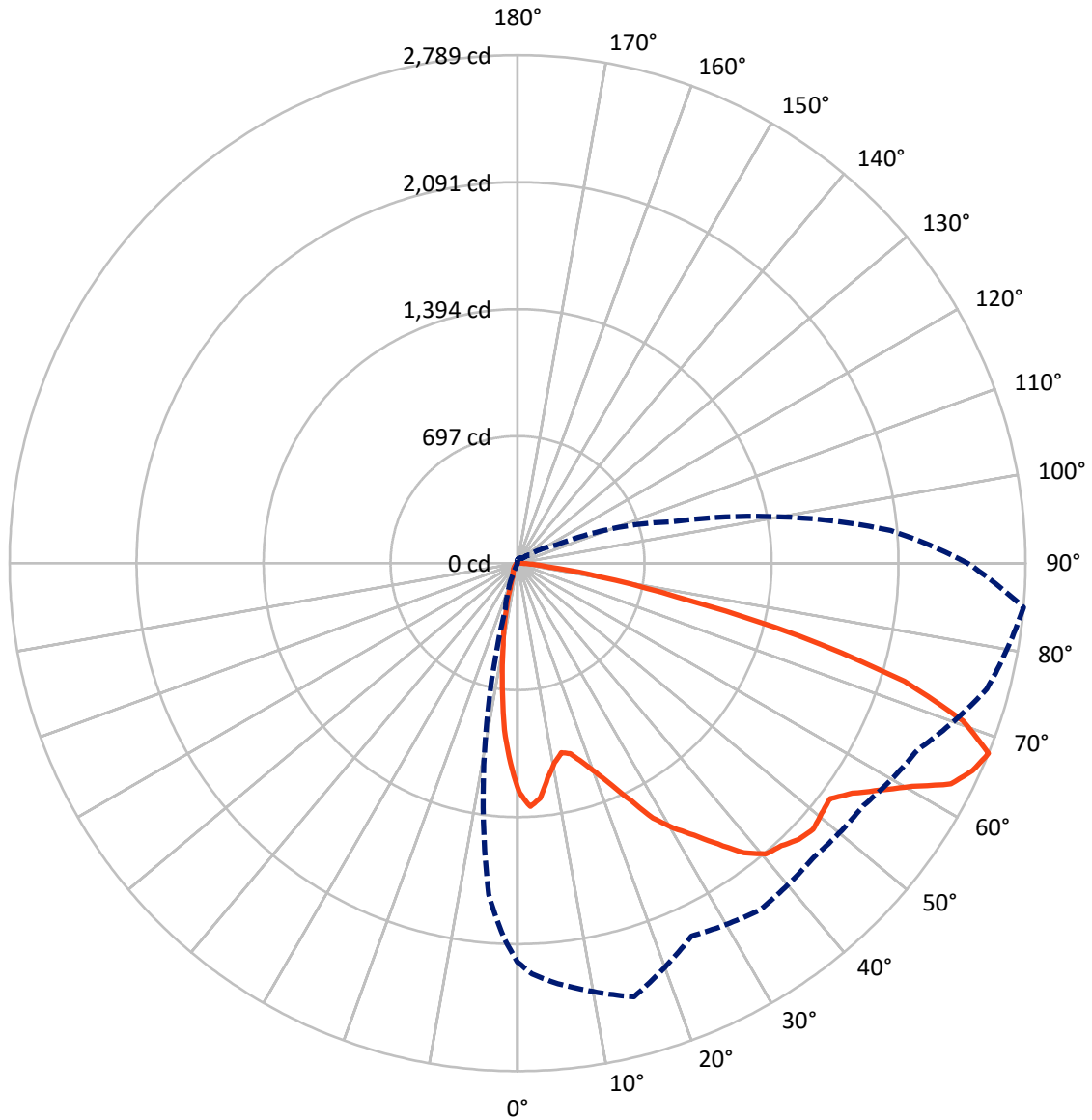
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P677306
CATALOG NUMBER: CCW-SA-1C-760-U-SLL-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P677306
 CATALOG NUMBER: CCW-SA-1C-760-U-SLL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	582.6	0.0	582.6
	% Fixture	17.4	0.0	17.4
Street Side	Lumens	2772.9	0.0	2772.9
	% Fixture	82.6	0.0	82.6
Total	Lumens	3355.5	0.0	3355.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.8	2.9
10°-20°	187.9	5.6
20°-30°	260.1	7.8
30°-40°	367.6	11.0
40°-50°	500.5	14.9
50°-60°	662.8	19.8
60°-70°	769.6	22.9
70°-80°	435.8	13.0
80°-90°	75.3	2.2
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°	3355.5	100.0
0°-180°	3355.5	100.0



REPORT NUMBER: P677306

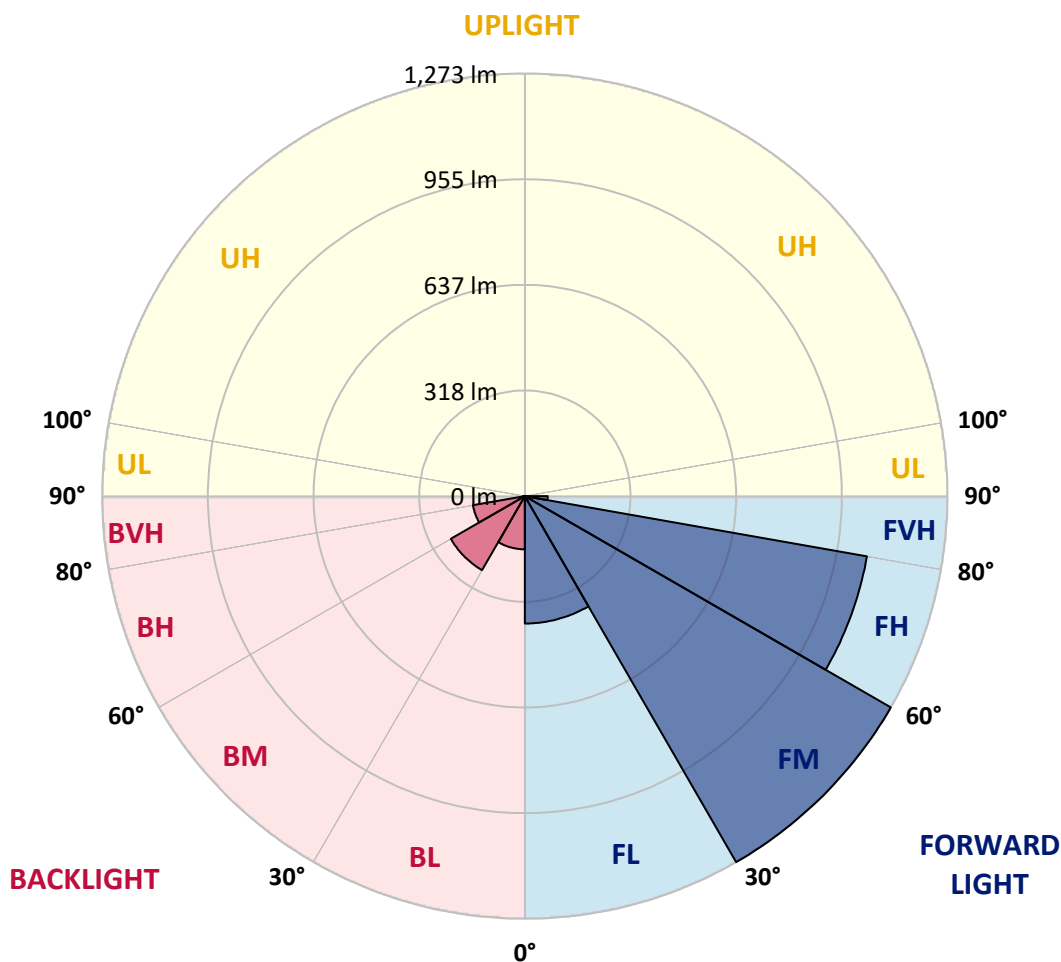
CATALOG NUMBER: CCW-SA-1C-760-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	383.7	11.4			
FM (30°-60°)	1273.4	38.0			
FH (60°-80°)	1046.7	31.2			G1/1800
FVH (80°-90°)	69.0	2.1			G1/100
BL (0°-30°)	160.2	4.8	B1/500		
BM (30°-60°)	257.4	7.7	B1/1000		
BH (60°-80°)	158.7	4.7	B1/500		G1/500
BVH (80°-90°)	6.3	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium





REPORT NUMBER: P677306

CATALOG NUMBER: CCW-SA-1C-760-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6
2.5°	1310.9	1338.7	1339.6	1352.1	1364.7	1364.7	1394.3	1387.1	1361.1	1356.6	1337.8
5°	1320.8	1330.6	1337.8	1401.4	1455.2	1449.8	1465.9	1455.2	1405.0	1340.5	1296.6
7.5°	1235.6	1246.4	1275.1	1383.5	1456.1	1480.3	1510.7	1443.5	1390.7	1274.2	1190.0
10°	1122.7	1143.4	1196.2	1319.9	1409.5	1486.5	1486.5	1432.8	1330.6	1216.8	1113.8
12.5°	1060.0	1101.2	1129.9	1255.4	1371.8	1424.7	1422.9	1394.3	1327.9	1184.6	1068.1
15°	1070.8	1082.4	1143.4	1241.0	1318.1	1315.4	1347.7	1338.7	1292.1	1213.2	1085.1
17.5°	1120.1	1138.0	1190.8	1241.0	1277.8	1267.0	1266.1	1309.1	1311.8	1261.6	1148.7
20°	1200.7	1253.6	1278.7	1293.9	1249.1	1203.4	1198.0	1258.1	1304.6	1323.5	1224.9
22.5°	1329.7	1364.7	1415.8	1337.8	1221.3	1164.0	1153.2	1219.5	1313.6	1396.9	1323.5
25°	1456.1	1483.0	1532.2	1431.9	1252.7	1155.9	1137.1	1194.4	1347.7	1499.1	1442.6
27.5°	1589.6	1612.9	1618.3	1500.9	1269.7	1139.8	1117.4	1194.4	1376.3	1552.9	1585.1
30°	1671.1	1698.9	1704.3	1561.8	1297.5	1153.2	1142.5	1199.8	1396.0	1598.5	1687.3
32.5°	1762.5	1769.7	1765.2	1572.6	1327.9	1192.6	1147.8	1235.6	1418.4	1653.2	1780.4
35°	1871.8	1884.4	1838.7	1621.8	1396.0	1217.7	1201.6	1279.6	1457.0	1678.3	1893.3
37.5°	1955.2	1994.6	1891.6	1640.7	1409.5	1270.6	1273.3	1371.0	1483.9	1708.8	2017.9
40°	2112.0	2045.7	1981.2	1705.2	1460.6	1360.2	1345.9	1465.0	1574.4	1728.5	2099.4
42.5°	2198.0	2163.1	2016.1	1711.5	1539.4	1483.9	1487.4	1571.7	1621.8	1784.0	2121.8
45°	2219.5	2182.8	2063.6	1715.9	1617.4	1629.9	1691.7	1707.9	1691.7	1820.8	2164.0
47.5°	2274.2	2194.4	2058.2	1776.0	1743.7	1792.1	1870.9	1905.9	1786.7	1807.3	2183.7
50°	2263.4	2217.7	2046.6	1801.1	1897.8	2026.0	2078.8	2064.5	1892.5	1779.6	2162.2
52.5°	2218.6	2169.3	2082.4	1869.2	2042.1	2197.1	2270.6	2234.7	1986.5	1842.3	2147.8
55°	2284.0	2246.4	2129.0	1961.4	2150.5	2347.6	2399.6	2372.7	2102.1	1900.5	2229.4
57.5°	2354.8	2346.7	2255.4	2069.9	2278.6	2502.7	2502.7	2469.5	2202.5	1984.7	2350.3
60°	2457.0	2474.9	2348.5	2141.6	2322.6	2493.7	2623.6	2585.1	2303.7	2132.6	2487.4
62.5°	2423.8	2481.2	2468.6	2295.7	2372.7	2537.6	2608.4	2637.1	2429.2	2312.7	2670.2
65°	2317.2	2378.1	2467.7	2396.9	2335.1	2431.0	2466.8	2553.7	2491.9	2482.1	2745.5
67.5°	2189.9	2256.2	2311.8	2465.0	2258.9	2322.6	2291.2	2319.0	2423.8	2667.5	2788.5
70°	1912.2	1975.8	2063.6	2313.6	2057.3	2000.0	1991.9	1978.5	2141.6	2601.2	2593.2
72.5°	1572.6	1602.1	1747.3	1880.8	1522.4	1511.6	1524.2	1508.9	1698.0	2354.8	2221.3
75°	1177.4	1207.0	1289.4	1444.4	1036.7	974.9	1046.6	1117.4	1296.6	1827.9	1595.9
77.5°	885.3	922.9	974.9	1080.6	760.7	664.0	673.8	741.0	937.3	1464.1	894.3
80°	574.4	569.9	670.2	743.7	572.6	590.5	565.4	614.7	679.2	783.1	457.0
82.5°	331.5	336.0	378.1	426.5	398.7	456.1	328.8	549.3	484.8	319.0	170.2
85°	186.4	194.4	233.0	295.7	250.0	167.6	137.1	272.4	304.7	130.8	82.4
87.5°	18.8	16.1	31.4	112.0	68.1	27.8	41.2	65.4	73.5	49.3	24.2
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: P677306

CATALOG NUMBER: CCW-SA-1C-760-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6
2.5°	1310.9	1310.9	1288.5	1250.9	1235.6	1208.8	1172.0	1183.7	1171.1	1125.4	1113.8
5°	1257.2	1214.1	1167.6	1110.2	1077.0	1008.9	987.4	948.9	955.2	916.7	918.4
7.5°	1145.1	1111.1	1032.2	957.0	891.6	832.4	749.1	717.7	687.3	672.0	690.0
10°	1079.7	1016.1	908.6	810.0	723.1	670.2	614.7	571.7	532.3	502.7	496.4
12.5°	1032.2	975.8	845.9	725.8	657.7	614.7	563.6	504.5	465.9	414.9	399.6
15°	1017.9	948.9	811.8	692.6	626.3	555.5	497.3	439.1	388.9	335.1	316.3
17.5°	1067.2	987.4	810.9	665.8	572.6	496.4	415.8	350.4	299.3	250.0	238.3
20°	1150.5	1028.7	836.9	649.6	521.5	419.4	328.0	262.5	205.2	172.9	164.9
22.5°	1245.5	1098.6	839.6	606.6	470.4	342.3	239.2	172.9	140.7	125.4	121.0
25°	1362.0	1210.6	871.9	571.7	410.4	259.9	170.2	132.6	113.8	104.8	103.0
27.5°	1457.9	1288.5	906.8	534.9	351.3	192.7	133.5	108.4	98.6	89.6	88.7
30°	1557.3	1378.1	916.7	512.5	300.2	158.6	114.7	95.9	85.1	80.6	79.7
32.5°	1644.2	1475.8	948.0	475.8	251.8	139.8	103.9	86.0	78.9	71.7	70.8
35°	1756.3	1532.2	963.3	456.1	233.9	126.3	95.0	78.9	68.1	63.6	61.8
37.5°	1876.3	1586.9	973.1	440.9	218.6	118.3	89.6	74.4	64.5	58.2	56.5
40°	1988.3	1664.0	958.8	422.0	207.0	108.4	86.0	69.0	60.0	53.8	51.1
42.5°	2074.4	1739.2	954.3	404.1	194.4	104.8	81.5	66.3	56.5	49.3	48.4
45°	2122.7	1790.3	922.9	389.8	184.6	106.6	79.7	62.7	53.8	47.5	43.9
47.5°	2111.1	1829.7	931.0	385.3	171.1	99.5	78.9	60.0	49.3	43.9	41.2
50°	2175.6	1909.5	917.6	371.0	161.3	89.6	86.0	60.0	48.4	42.1	39.4
52.5°	2186.4	1982.1	946.2	345.0	146.1	82.4	85.1	59.1	46.6	40.3	36.7
55°	2276.0	2066.3	1001.8	330.6	133.5	71.7	78.0	57.3	42.1	36.7	34.9
57.5°	2397.8	2241.0	1037.6	317.2	116.5	62.7	65.4	56.5	38.5	34.0	31.4
60°	2515.2	2310.9	1040.3	293.0	100.4	56.5	51.1	56.5	35.8	30.5	27.8
62.5°	2603.0	2310.9	1022.4	272.4	87.8	50.2	44.8	53.8	32.3	26.9	25.1
65°	2555.5	2249.1	975.8	255.4	79.7	43.9	38.5	41.2	28.7	23.3	21.5
67.5°	2470.4	2056.4	872.8	234.8	78.9	38.5	33.2	30.5	25.1	20.6	18.8
70°	2334.2	1796.6	726.7	211.5	77.1	34.9	29.6	26.0	22.4	17.9	16.1
72.5°	1880.8	1483.9	596.8	198.0	75.3	30.5	25.1	22.4	18.8	15.2	13.4
75°	1302.9	948.0	459.7	169.4	73.5	27.8	23.3	19.7	16.1	12.5	11.6
77.5°	781.4	633.5	296.6	127.2	48.4	22.4	19.7	15.2	13.4	10.8	9.9
80°	365.6	299.3	120.1	49.3	23.3	16.1	13.4	11.6	10.8	9.0	8.1
82.5°	143.4	126.3	58.2	28.7	18.8	12.5	10.8	9.9	9.0	7.2	6.3
85°	77.1	68.1	27.8	19.7	13.4	9.0	9.0	8.1	7.2	6.3	5.4
87.5°	17.0	12.5	11.6	11.6	9.9	7.2	7.2	6.3	5.4	4.5	3.6
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: P677306
 CATALOG NUMBER: CCW-SA-1C-760-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6
2.5°	1107.5	1121.0	1099.5	1112.9	1094.1	1108.4	1110.2	1096.8	1100.3	1118.3	1126.3
5°	943.5	934.6	914.9	908.6	909.5	897.8	902.3	908.6	918.4	923.8	940.0
7.5°	680.1	700.7	699.8	715.0	715.9	714.2	701.6	674.7	683.7	676.5	685.5
10°	486.6	495.5	512.5	522.4	540.3	530.5	501.8	491.0	485.7	484.8	493.7
12.5°	388.9	367.4	365.6	369.2	378.1	366.5	352.1	339.6	345.9	358.4	368.3
15°	301.1	283.2	259.9	256.3	258.1	252.7	237.5	221.3	225.8	238.3	245.5
17.5°	231.2	210.6	194.4	183.7	180.1	161.3	138.9	125.4	121.9	121.0	127.2
20°	155.9	152.3	149.6	136.2	136.2	109.3	90.5	80.6	80.6	82.4	83.3
22.5°	116.5	112.0	112.9	110.2	103.0	81.5	71.7	69.0	69.0	70.8	70.8
25°	101.3	95.0	93.2	92.3	85.1	69.9	62.7	60.0	60.0	61.8	61.8
27.5°	86.0	84.2	81.5	78.0	71.7	60.0	55.6	52.9	53.8	54.7	53.8
30°	78.9	74.4	70.8	70.8	63.6	53.8	50.2	48.4	46.6	48.4	49.3
32.5°	69.9	67.2	65.4	62.7	54.7	47.5	43.9	42.1	41.2	41.2	42.1
35°	60.0	60.0	58.2	54.7	47.5	43.0	38.5	36.7	35.8	36.7	36.7
37.5°	53.8	51.1	52.0	48.4	42.1	37.6	33.2	31.4	31.4	30.5	31.4
40°	50.2	45.7	43.0	41.2	37.6	32.3	28.7	26.9	26.0	26.0	26.0
42.5°	44.8	41.2	35.8	34.9	34.0	27.8	23.3	22.4	21.5	20.6	20.6
45°	42.1	36.7	32.3	27.8	27.8	23.3	19.7	17.9	17.0	16.1	17.0
47.5°	38.5	33.2	27.8	23.3	22.4	18.8	15.2	13.4	12.5	12.5	12.5
50°	36.7	29.6	24.2	19.7	17.0	15.2	11.6	9.9	9.0	9.0	9.0
52.5°	34.0	27.8	21.5	17.0	13.4	11.6	9.0	7.2	6.3	6.3	6.3
55°	30.5	25.1	18.8	14.3	11.6	9.0	6.3	4.5	3.6	3.6	3.6
57.5°	28.7	22.4	16.1	12.5	9.0	6.3	3.6	2.7	2.7	1.8	2.7
60°	26.0	19.7	13.4	9.9	7.2	4.5	2.7	0.9	0.9	0.9	0.9
62.5°	22.4	17.0	11.6	8.1	5.4	2.7	0.9	0.0	0.0	0.0	0.0
65°	18.8	13.4	9.0	6.3	3.6	0.9	0.0	0.0	0.0	0.0	0.0
67.5°	16.1	11.6	7.2	4.5	2.7	0.0	0.0	0.0	0.0	0.0	0.0
70°	14.3	9.9	5.4	3.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	11.6	8.1	4.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	9.9	6.3	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	8.1	4.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	6.3	3.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	5.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P677306
 CATALOG NUMBER: CCW-SA-1C-760-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6	1261.6
2.5°	1138.0	1132.6	1159.5	1203.4	1225.8	1269.7	1280.5	1308.2	1301.1	1310.9
5°	941.7	952.5	991.9	1056.4	1079.7	1143.4	1203.4	1263.4	1302.0	1320.8
7.5°	698.9	734.8	783.1	842.3	902.3	985.7	1087.8	1157.7	1195.3	1235.6
10°	520.6	559.1	614.7	672.9	770.6	863.8	965.9	1052.9	1085.1	1122.7
12.5°	409.5	469.5	534.0	596.8	655.0	743.7	870.1	996.4	1031.4	1060.0
15°	284.9	358.4	450.7	532.3	613.8	690.9	821.7	974.9	1022.4	1070.8
17.5°	157.7	215.9	321.7	436.4	556.4	674.7	837.8	1014.3	1086.0	1120.1
20°	91.4	114.7	190.0	326.2	484.8	639.8	845.9	1088.7	1183.7	1200.7
22.5°	75.3	83.3	107.5	204.3	396.9	617.4	887.1	1192.6	1289.4	1329.7
25°	64.5	70.8	83.3	122.8	300.2	569.9	913.1	1322.6	1412.2	1456.1
27.5°	57.3	63.6	73.5	90.5	204.3	504.5	956.1	1439.9	1529.6	1589.6
30°	50.2	55.6	65.4	77.1	141.6	431.0	992.8	1526.0	1652.3	1671.1
32.5°	44.8	49.3	56.5	66.3	104.8	327.1	1022.4	1614.7	1721.3	1762.5
35°	38.5	43.9	48.4	56.5	79.7	246.4	1004.5	1683.7	1822.6	1871.8
37.5°	34.0	37.6	42.1	47.5	67.2	192.7	967.7	1766.1	1909.5	1955.2
40°	28.7	31.4	36.7	42.1	60.9	148.7	925.6	1865.6	2031.3	2112.0
42.5°	24.2	26.9	30.5	39.4	50.2	110.2	840.5	1942.6	2129.9	2198.0
45°	18.8	22.4	27.8	39.4	40.3	81.5	752.7	2000.0	2185.5	2219.5
47.5°	14.3	17.9	26.9	34.0	32.3	56.5	648.7	2065.4	2242.8	2274.2
50°	10.8	14.3	30.5	29.6	26.9	43.0	583.3	2111.1	2246.4	2263.4
52.5°	7.2	10.8	25.1	22.4	22.4	37.6	565.4	2109.3	2255.4	2218.6
55°	5.4	8.1	14.3	16.1	19.7	33.2	549.3	2176.5	2258.0	2284.0
57.5°	3.6	6.3	9.9	12.5	17.0	28.7	516.1	2257.1	2341.4	2354.8
60°	1.8	4.5	7.2	9.9	14.3	25.1	469.5	2316.3	2442.6	2457.0
62.5°	0.9	2.7	5.4	8.1	11.6	19.7	421.1	2222.2	2398.7	2423.8
65°	0.0	1.8	3.6	5.4	7.2	14.3	342.3	2006.3	2224.9	2317.2
67.5°	0.0	0.0	1.8	3.6	4.5	10.8	258.1	1825.2	2064.5	2189.9
70°	0.0	0.0	0.9	0.9	2.7	8.1	164.9	1511.6	1843.2	1912.2
72.5°	0.0	0.0	0.0	0.0	0.9	5.4	95.9	1122.7	1444.4	1572.6
75°	0.0	0.0	0.0	0.0	0.0	4.5	48.4	722.2	1005.4	1177.4
77.5°	0.0	0.0	0.0	0.0	0.0	3.6	26.0	465.9	741.0	885.3
80°	0.0	0.0	0.0	0.0	0.0	0.9	15.2	270.6	474.0	574.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.3	132.6	283.2	331.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	70.8	141.6	186.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	9.9	18.8
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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