

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: P673097

Luminaire Tested: **CCP-SA-1B-730-U-T2-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673097
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-730-U-T2-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T2 distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

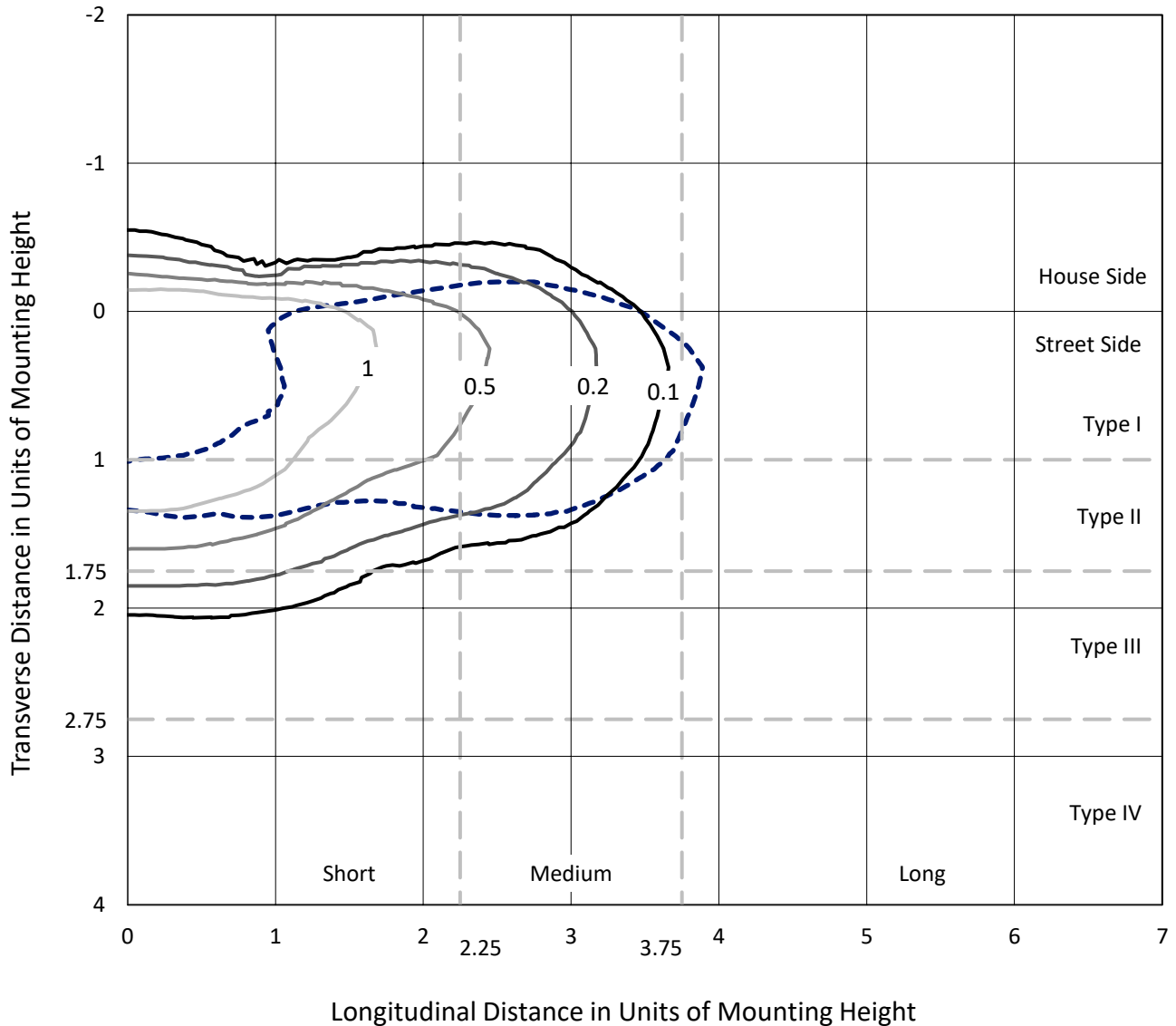
Lumens per Lamp: N/A
Luminaire Lumens: 2427.9 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 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: P673097
 CATALOG NUMBER: CCP-SA-1B-730-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

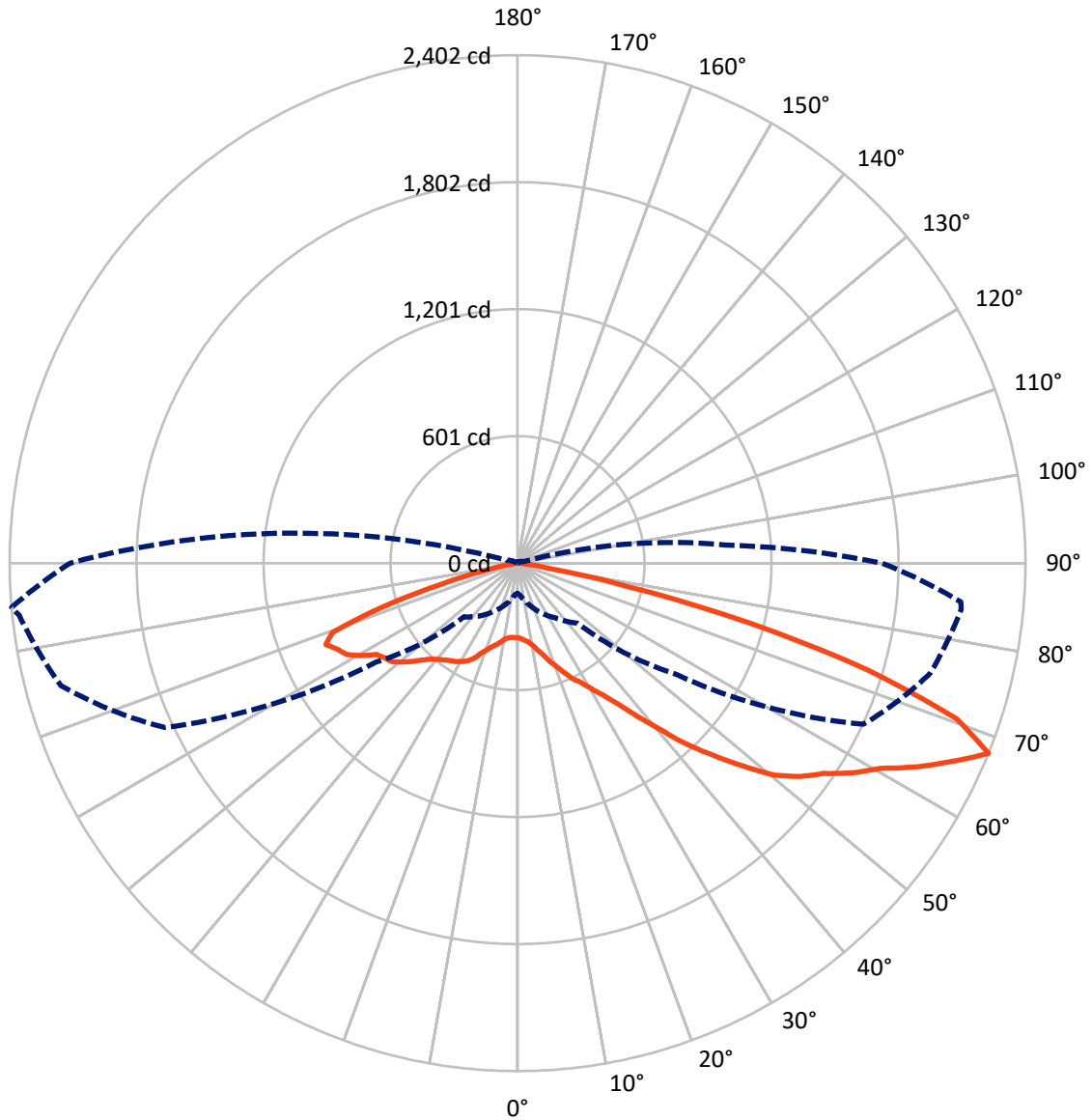
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Short - N/A

REPORT NUMBER: P673097
CATALOG NUMBER: CCP-SA-1B-730-U-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 275-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P673097

CATALOG NUMBER: CCP-SA-1B-730-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	344.9	0.0	344.9
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	2083.0	0.0	2083.0
	% Fixture	85.8	0.0	85.8
Total	Lumens	2427.9	0.0	2427.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.2	1.3
10°-20°	86.6	3.6
20°-30°	143.8	5.9
30°-40°	247.3	10.2
40°-50°	444.5	18.3
50°-60°	632.8	26.1
60°-70°	576.9	23.8
70°-80°	245.7	10.1
80°-90°	18.3	0.8
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°	2427.9	100.0
0°-180°	2427.9	100.0



REPORT NUMBER: P673097

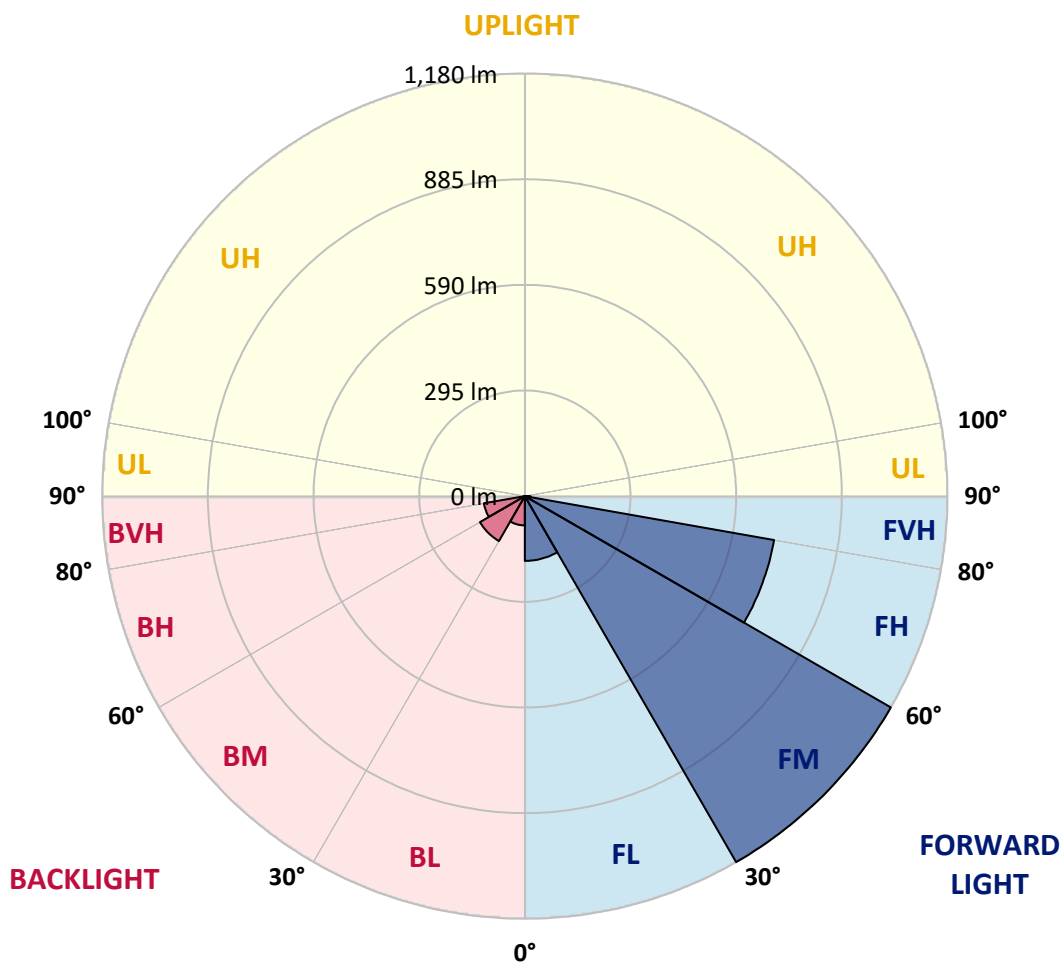
CATALOG NUMBER: CCP-SA-1B-730-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	180.9	7.4			
FM (30°-60°)	1180.0	48.6			
FH (60°-80°)	706.6	29.1			G1/1800
FVH (80°-90°)	15.5	0.6			G1/100
BL (0°-30°)	81.7	3.4	B0/110		
BM (30°-60°)	144.6	6.0	B0/220		
BH (60°-80°)	115.9	4.8	B1/500		G1/500
BVH (80°-90°)	2.8	0.1			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 II Short





REPORT NUMBER: P673097
 CATALOG NUMBER: CCP-SA-1B-730-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	353.1	353.1	353.1	353.1	353.1	353.1	353.1	353.1	353.1	353.1	353.1
2.5°	365.8	369.3	369.3	368.1	364.6	362.3	361.2	358.8	356.5	356.5	357.7
5°	369.3	365.8	370.4	364.6	364.6	364.6	369.3	366.9	365.8	360.0	360.0
7.5°	369.3	365.8	365.8	369.3	365.8	368.1	373.9	371.6	376.2	365.8	368.1
10°	358.8	357.7	360.0	364.6	365.8	370.4	376.2	387.8	388.9	382.0	380.8
12.5°	338.0	336.9	345.0	347.3	361.2	372.7	390.1	399.4	409.8	406.3	399.4
15°	323.0	325.3	331.1	340.3	353.1	373.9	393.6	414.4	432.9	428.3	426.0
17.5°	328.7	327.6	328.7	334.5	350.7	371.6	405.1	429.5	456.1	456.1	458.4
20°	346.1	349.6	348.4	345.0	353.1	370.4	405.1	448.0	492.0	488.5	488.5
22.5°	376.2	377.4	370.4	368.1	366.9	377.4	412.1	471.1	522.1	529.0	526.7
25°	407.5	408.6	406.3	399.4	390.1	392.4	424.8	489.7	563.7	575.3	573.0
27.5°	459.6	458.4	452.6	444.5	430.6	420.2	444.5	503.5	596.1	615.8	610.0
30°	511.6	508.2	500.1	489.7	476.9	457.2	468.8	530.2	636.7	655.2	642.5
32.5°	575.3	568.4	570.7	554.5	527.9	496.6	494.3	554.5	669.1	695.7	685.3
35°	656.3	648.2	636.7	621.6	596.1	554.5	541.7	593.8	723.5	743.2	743.2
37.5°	762.8	770.9	757.1	694.5	666.8	627.4	600.8	634.3	770.9	818.4	806.8
40°	871.7	878.6	853.1	806.8	746.6	698.0	681.8	700.3	842.7	899.4	877.4
42.5°	959.6	968.9	959.6	899.4	852.0	789.5	760.5	777.9	935.3	1003.6	974.7
45°	1052.2	1061.5	1051.1	1011.7	965.4	929.5	856.6	878.6	1032.6	1134.4	1102.0
47.5°	1121.7	1133.3	1114.7	1106.6	1069.6	1063.8	939.9	964.3	1134.4	1266.4	1225.9
50°	1137.9	1150.6	1166.8	1176.1	1163.4	1177.2	1052.2	1073.1	1240.9	1387.9	1348.6
52.5°	1099.7	1112.4	1148.3	1191.1	1250.2	1291.8	1165.7	1183.0	1352.0	1488.6	1467.8
55°	987.4	999.0	1071.9	1129.8	1271.0	1339.3	1274.5	1347.4	1431.9	1594.0	1543.0
57.5°	798.7	812.6	908.7	997.8	1201.6	1312.7	1339.3	1484.0	1563.9	1671.5	1612.5
60°	567.2	575.3	658.7	816.1	1009.4	1179.6	1326.6	1585.9	1668.1	1775.7	1744.5
62.5°	326.4	333.4	420.2	568.4	761.7	985.1	1269.9	1681.9	1780.3	1890.3	1872.9
65°	216.5	218.8	277.8	358.8	495.4	725.8	1126.3	1767.6	1891.5	1981.8	1962.1
67.5°	142.4	155.1	201.4	257.0	317.2	401.7	918.0	1803.5	2018.8	2109.1	2104.5
70°	101.9	106.5	144.7	197.9	238.5	225.7	537.1	1550.0	2013.0	2143.8	2105.6
72.5°	60.2	64.8	96.1	148.2	187.5	143.5	251.2	1096.2	1668.1	1710.9	1700.5
75°	44.0	44.0	59.0	106.5	136.6	103.0	118.1	693.4	1107.8	1202.7	1201.6
77.5°	31.3	32.4	40.5	63.7	105.3	75.2	64.8	385.5	605.4	662.1	630.9
80°	18.5	19.7	27.8	38.2	76.4	54.4	42.8	176.0	232.7	235.0	223.4
82.5°	13.9	13.9	18.5	26.6	53.2	37.0	26.6	67.1	75.2	68.3	57.9
85°	8.1	6.9	13.9	19.7	31.3	20.8	18.5	31.3	34.7	25.5	23.2
87.5°	2.3	2.3	5.8	6.9	13.9	11.6	8.1	11.6	16.2	9.3	6.9
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: P673097
 CATALOG NUMBER: CCP-SA-1B-730-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	353.1	353.1	353.1	353.1	353.1	353.1	353.1	353.1	353.1	353.1	353.1
2.5°	355.4	351.9	346.1	343.8	335.7	332.2	329.9	324.1	325.3	321.8	321.8
5°	351.9	351.9	340.3	327.6	314.9	306.8	297.5	285.9	285.9	281.3	282.4
7.5°	364.6	355.4	340.3	317.2	296.3	277.8	269.7	258.1	251.2	247.7	247.7
10°	372.7	363.5	338.0	310.2	283.6	260.5	243.1	226.9	217.6	217.6	216.5
12.5°	394.7	380.8	347.3	309.1	269.7	235.0	208.4	189.8	177.1	167.8	170.2
15°	413.3	398.2	351.9	299.8	245.4	196.8	164.4	129.6	112.3	103.0	99.6
17.5°	442.2	414.4	362.3	283.6	208.4	154.0	106.5	77.6	70.6	69.5	69.5
20°	466.5	434.1	363.5	252.4	171.3	98.4	68.3	63.7	60.2	59.0	57.9
22.5°	500.1	459.6	358.8	216.5	122.7	66.0	57.9	53.2	50.9	47.5	47.5
25°	534.8	493.1	349.6	182.9	75.2	56.7	50.9	46.3	41.7	39.4	40.5
27.5°	571.8	518.6	323.0	142.4	57.9	49.8	41.7	38.2	35.9	34.7	34.7
30°	601.9	534.8	283.6	94.9	52.1	44.0	37.0	33.6	31.3	30.1	30.1
32.5°	623.9	548.7	239.6	63.7	47.5	39.4	33.6	30.1	27.8	26.6	26.6
35°	661.0	559.1	199.1	54.4	42.8	34.7	28.9	26.6	24.3	24.3	24.3
37.5°	717.7	573.0	158.6	49.8	39.4	31.3	27.8	24.3	23.2	22.0	22.0
40°	767.5	590.4	113.4	45.1	35.9	28.9	24.3	22.0	20.8	19.7	19.7
42.5°	839.2	610.0	74.1	40.5	32.4	26.6	22.0	19.7	18.5	17.4	17.4
45°	930.7	642.5	57.9	35.9	28.9	24.3	20.8	18.5	16.2	16.2	15.0
47.5°	1027.9	681.8	52.1	33.6	26.6	22.0	18.5	16.2	15.0	13.9	13.9
50°	1118.2	720.0	48.6	31.3	24.3	20.8	17.4	15.0	12.7	11.6	11.6
52.5°	1199.2	755.9	46.3	28.9	23.2	18.5	15.0	12.7	11.6	10.4	10.4
55°	1242.1	772.1	45.1	27.8	20.8	17.4	13.9	11.6	10.4	9.3	9.3
57.5°	1309.2	792.9	44.0	26.6	19.7	15.0	12.7	10.4	9.3	8.1	8.1
60°	1418.0	861.2	42.8	25.5	18.5	15.0	11.6	9.3	6.9	5.8	5.8
62.5°	1508.3	918.0	38.2	22.0	16.2	12.7	9.3	6.9	4.6	3.5	3.5
65°	1611.3	944.6	33.6	19.7	13.9	10.4	6.9	4.6	3.5	1.2	1.2
67.5°	1723.6	985.1	27.8	17.4	12.7	8.1	5.8	3.5	1.2	0.0	0.0
70°	1664.6	934.2	23.2	15.0	11.6	6.9	4.6	2.3	0.0	0.0	0.0
72.5°	1304.6	669.1	18.5	13.9	10.4	6.9	4.6	1.2	0.0	0.0	0.0
75°	871.7	378.5	16.2	11.6	8.1	5.8	3.5	1.2	0.0	0.0	0.0
77.5°	473.4	170.2	13.9	10.4	6.9	4.6	3.5	1.2	0.0	0.0	0.0
80°	154.0	67.1	11.6	9.3	6.9	4.6	3.5	1.2	0.0	0.0	0.0
82.5°	41.7	20.8	11.6	9.3	6.9	4.6	3.5	1.2	0.0	0.0	0.0
85°	17.4	13.9	11.6	9.3	6.9	4.6	3.5	1.2	0.0	0.0	0.0
87.5°	6.9	4.6	4.6	5.8	4.6	3.5	2.3	1.2	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: P673097
 CATALOG NUMBER: CCP-SA-1B-730-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	353.1	353.1	353.1	353.1	353.1	353.1	353.1	353.1	353.1	353.1	353.1
2.5°	323.0	325.3	326.4	326.4	332.2	338.0	345.0	350.7	350.7	354.2	357.7
5°	283.6	285.9	289.4	299.8	311.4	324.1	336.9	346.1	358.8	364.6	368.1
7.5°	251.2	253.5	262.8	273.2	289.4	311.4	333.4	354.2	366.9	372.7	377.4
10°	217.6	221.1	231.5	250.0	270.9	297.5	323.0	358.8	379.7	391.3	395.9
12.5°	169.0	178.3	192.2	211.8	238.5	279.0	326.4	363.5	399.4	413.3	422.5
15°	106.5	114.6	136.6	167.8	203.7	251.2	317.2	370.4	420.2	434.1	449.1
17.5°	68.3	69.5	76.4	110.0	156.3	216.5	303.3	380.8	443.3	463.0	486.2
20°	57.9	60.2	61.4	66.0	104.2	178.3	274.3	393.6	471.1	497.8	519.7
22.5°	48.6	49.8	52.1	55.6	62.5	129.6	235.0	393.6	495.4	534.8	560.3
25°	39.4	41.7	44.0	47.5	54.4	81.0	194.5	386.6	524.4	573.0	605.4
27.5°	34.7	34.7	37.0	40.5	46.3	56.7	154.0	365.8	546.4	596.1	639.0
30°	30.1	31.3	32.4	35.9	41.7	49.8	106.5	332.2	569.5	641.3	689.9
32.5°	26.6	26.6	28.9	31.3	37.0	45.1	68.3	281.3	599.6	676.0	744.3
35°	24.3	24.3	25.5	27.8	33.6	40.5	53.2	238.5	635.5	742.0	817.2
37.5°	22.0	22.0	23.2	25.5	30.1	35.9	48.6	204.9	672.5	808.0	918.0
40°	19.7	19.7	20.8	23.2	26.6	32.4	44.0	165.5	718.9	905.2	1027.9
42.5°	17.4	17.4	18.5	20.8	24.3	28.9	38.2	123.9	780.2	1010.6	1170.3
45°	15.0	15.0	16.2	18.5	20.8	26.6	34.7	94.9	847.3	1127.5	1295.3
47.5°	12.7	13.9	15.0	17.4	19.7	24.3	31.3	83.3	913.3	1251.3	1434.2
50°	11.6	11.6	12.7	15.0	18.5	22.0	28.9	82.2	980.5	1346.3	1576.6
52.5°	10.4	10.4	11.6	13.9	17.4	20.8	27.8	84.5	1036.0	1434.2	1676.2
55°	9.3	9.3	10.4	11.6	15.0	19.7	25.5	86.8	1075.4	1523.4	1756.0
57.5°	8.1	8.1	9.3	11.6	13.9	17.4	23.2	89.1	1139.0	1611.3	1871.8
60°	5.8	5.8	8.1	10.4	12.7	15.0	22.0	91.4	1240.9	1732.9	1970.2
62.5°	3.5	3.5	4.6	8.1	10.4	13.9	19.7	86.8	1335.8	1889.2	2120.7
65°	1.2	2.3	3.5	4.6	8.1	11.6	16.2	78.7	1415.7	2045.4	2259.6
67.5°	0.0	0.0	1.2	3.5	6.9	9.3	13.9	57.9	1428.4	2116.0	2402.0
70°	0.0	0.0	1.2	3.5	5.8	9.3	12.7	32.4	1216.6	1890.3	2201.7
72.5°	0.0	0.0	0.0	2.3	5.8	8.1	11.6	24.3	897.1	1425.0	1739.8
75°	0.0	0.0	0.0	1.2	4.6	6.9	10.4	18.5	545.2	950.4	1135.6
77.5°	0.0	0.0	0.0	1.2	3.5	6.9	10.4	16.2	192.2	452.6	533.6
80°	0.0	0.0	0.0	2.3	4.6	6.9	9.3	13.9	46.3	113.4	152.8
82.5°	0.0	0.0	0.0	1.2	3.5	5.8	8.1	11.6	18.5	33.6	53.2
85°	0.0	0.0	0.0	1.2	2.3	5.8	8.1	10.4	12.7	16.2	23.2
87.5°	0.0	0.0	0.0	0.0	1.2	2.3	3.5	4.6	4.6	4.6	8.1
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: P673097
 CATALOG NUMBER: CCP-SA-1B-730-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	276°	285°	295°	305°	315°	325°	335°	345°	355°	360°
0°	353.1	353.1	353.1	353.1	353.1	353.1	353.1	353.1	353.1	353.1
2.5°	356.5	361.2	363.5	368.1	370.4	369.3	368.1	371.6	369.3	365.8
5°	369.3	369.3	372.7	373.9	373.9	370.4	372.7	371.6	369.3	369.3
7.5°	383.2	388.9	388.9	382.0	380.8	378.5	378.5	369.3	365.8	369.3
10°	397.0	401.7	402.8	394.7	384.3	379.7	373.9	362.3	356.5	358.8
12.5°	426.0	426.0	413.3	404.0	390.1	373.9	360.0	343.8	335.7	338.0
15°	446.8	451.5	434.1	413.3	388.9	358.8	343.8	331.1	326.4	323.0
17.5°	487.3	478.1	450.3	420.2	385.5	354.2	343.8	332.2	328.7	328.7
20°	522.1	517.4	475.8	421.4	384.3	363.5	356.5	350.7	349.6	346.1
22.5°	569.5	548.7	495.4	434.1	397.0	378.5	376.2	382.0	378.5	376.2
25°	605.4	588.0	510.5	452.6	416.7	410.9	414.4	420.2	410.9	407.5
27.5°	654.0	621.6	539.4	476.9	443.3	449.1	460.7	461.9	456.1	459.6
30°	699.2	664.4	561.4	504.7	488.5	494.3	511.6	524.4	516.3	511.6
32.5°	764.0	710.7	605.4	551.0	545.2	560.3	579.9	588.0	577.6	575.3
35°	832.3	764.0	650.6	603.1	613.5	634.3	651.7	665.6	649.4	656.3
37.5°	938.8	849.7	727.0	685.3	689.9	698.0	730.4	768.6	776.7	762.8
40°	1049.9	942.3	797.6	765.2	775.6	797.6	835.8	871.7	890.2	871.7
42.5°	1178.4	1031.4	906.4	868.2	878.6	909.8	960.8	989.7	987.4	959.6
45°	1337.0	1155.3	1008.2	960.8	999.0	1026.8	1077.7	1081.2	1059.2	1052.2
47.5°	1458.5	1259.4	1118.2	1088.1	1140.2	1141.4	1152.9	1154.1	1129.8	1121.7
50°	1592.8	1379.8	1240.9	1196.9	1284.9	1244.4	1213.1	1192.3	1155.3	1137.9
52.5°	1724.8	1465.5	1354.4	1309.2	1400.7	1293.0	1236.3	1172.6	1118.2	1099.7
55°	1795.4	1606.7	1519.9	1414.6	1426.1	1306.9	1164.5	1084.6	992.0	987.4
57.5°	1878.7	1701.6	1660.0	1486.3	1383.3	1209.7	1015.2	909.8	810.3	798.7
60°	1977.1	1852.1	1808.1	1474.7	1231.7	1016.3	804.5	669.1	575.3	567.2
62.5°	2087.1	2030.4	1899.6	1361.3	978.1	715.4	531.3	417.9	331.1	326.4
65°	2260.7	2179.7	1948.2	1146.0	647.1	458.4	353.1	270.9	218.8	216.5
67.5°	2369.5	2236.4	1839.4	817.2	358.8	303.3	247.7	196.8	151.6	142.4
70°	2215.6	2052.4	1455.1	467.7	208.4	230.4	191.0	132.0	104.2	101.9
72.5°	1769.9	1523.4	979.3	219.9	129.6	180.6	138.9	89.1	62.5	60.2
75°	1207.3	958.5	614.7	101.9	91.4	132.0	101.9	52.1	44.0	44.0
77.5°	539.4	488.5	314.9	62.5	68.3	100.7	59.0	35.9	32.4	31.3
80°	164.4	172.5	128.5	42.8	50.9	76.4	35.9	24.3	19.7	18.5
82.5°	55.6	64.8	57.9	25.5	34.7	54.4	24.3	16.2	13.9	13.9
85°	26.6	32.4	28.9	16.2	18.5	26.6	19.7	12.7	8.1	8.1
87.5°	10.4	15.0	10.4	6.9	10.4	13.9	8.1	5.8	2.3	2.3
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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