

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: P676267

Luminaire Tested: **CCW-SA-1E-735-U-T2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676267
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-735-U-T2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/
T2 distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

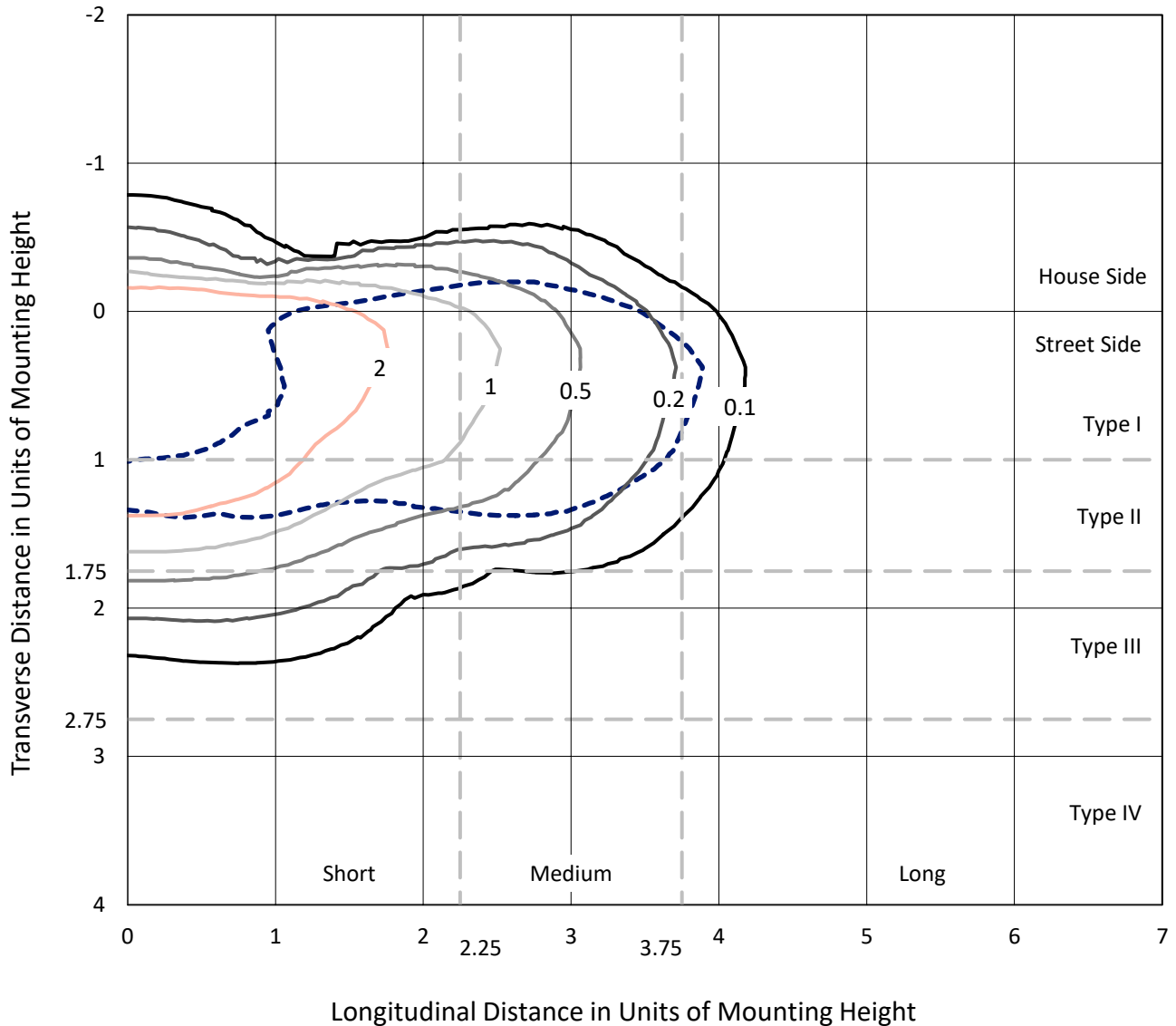
Lumens per Lamp: N/A
Luminaire Lumens: 5206.1 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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: P676267
 CATALOG NUMBER: CCW-SA-1E-735-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

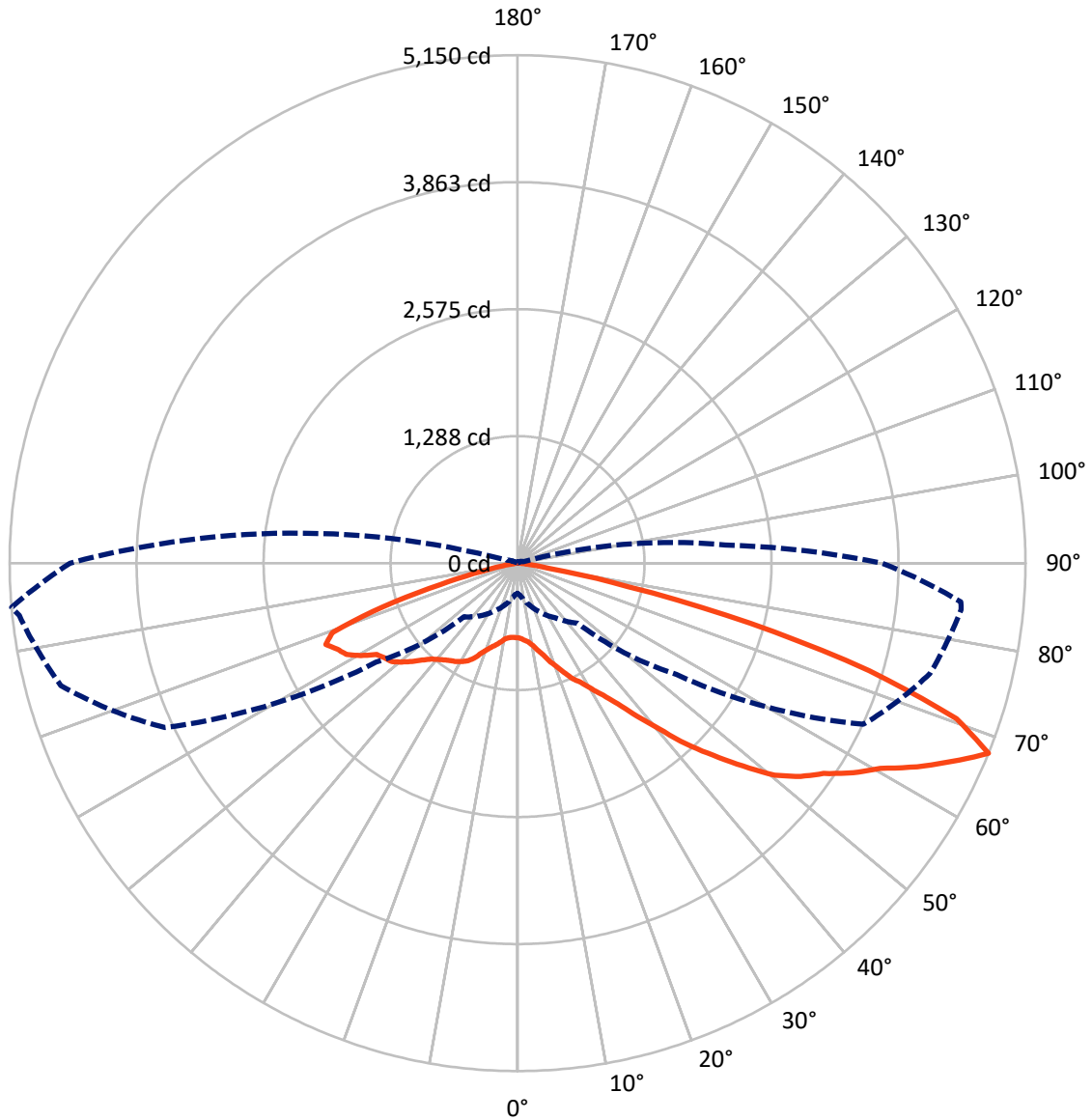
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4 fc
 Type II - Short - N/A

REPORT NUMBER: P676267
CATALOG NUMBER: CCW-SA-1E-735-U-T2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P676267

CATALOG NUMBER: CCW-SA-1E-735-U-T2-HSS

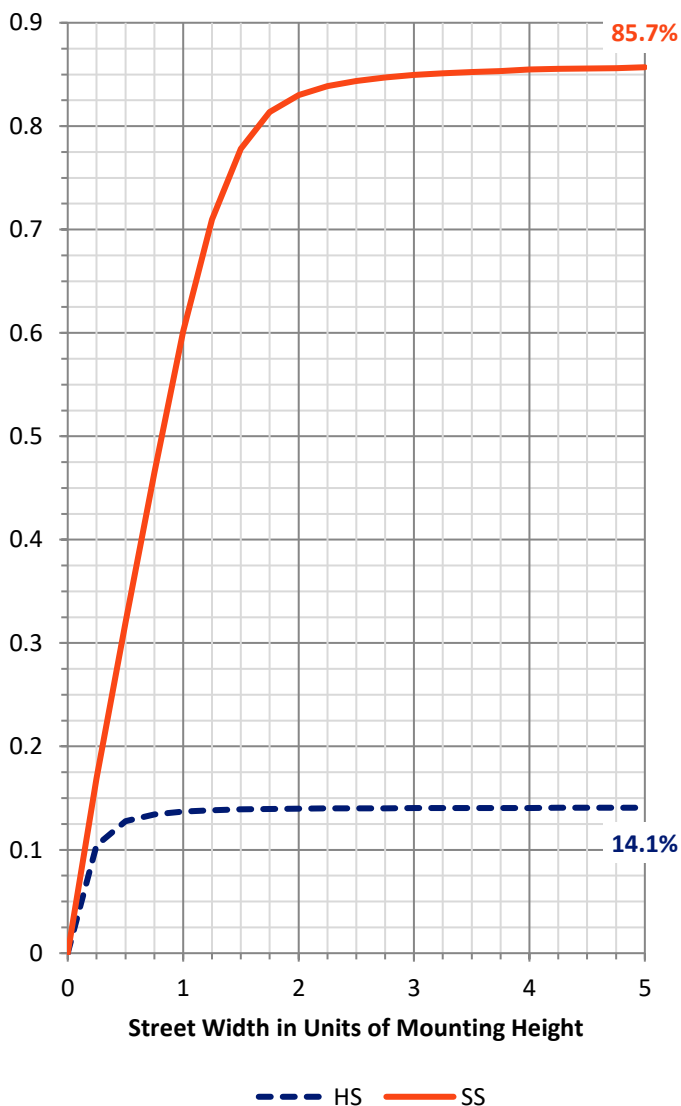
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	739.6	0.0	739.6
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	4466.5	0.0	4466.5
	% Fixture	85.8	0.0	85.8
Total	Lumens	5206.1	0.0	5206.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	1.3
10°-20°	185.6	3.6
20°-30°	308.3	5.9
30°-40°	530.4	10.2
40°-50°	953.1	18.3
50°-60°	1356.8	26.1
60°-70°	1237.0	23.8
70°-80°	526.7	10.1
80°-90°	39.2	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°	5206.1	100.0
0°-180°	5206.1	100.0



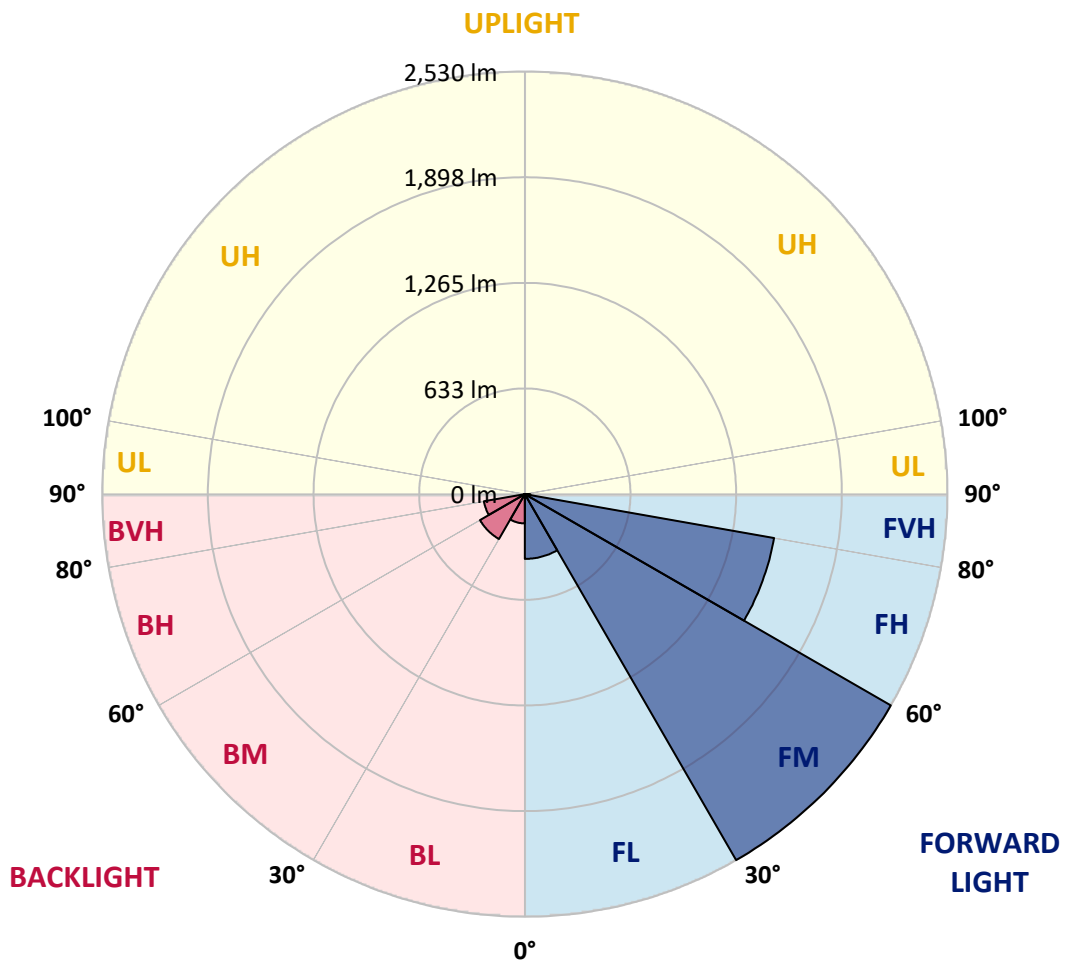
REPORT NUMBER: P676267
 CATALOG NUMBER: CCW-SA-1E-735-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	387.8	7.4			
FM (30°-60°)	2530.2	48.6			
FH (60°-80°)	1515.2	29.1			G1/1800
FVH (80°-90°)	33.3	0.6			G1/100
BL (0°-30°)	175.1	3.4	B1/500		
BM (30°-60°)	310.1	6.0	B1/1000		
BH (60°-80°)	248.5	4.8	B1/500		G1/500
BVH (80°-90°)	5.9	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: P676267
 CATALOG NUMBER: CCW-SA-1E-735-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	757.0	757.0	757.0	757.0	757.0	757.0	757.0	757.0	757.0	757.0	757.0
2.5°	784.4	791.8	791.8	789.3	781.9	776.9	774.4	769.5	764.5	764.5	767.0
5°	791.8	784.4	794.3	781.9	781.9	781.9	791.8	786.8	784.4	771.9	771.9
7.5°	791.8	784.4	784.4	791.8	784.4	789.3	801.7	796.8	806.7	784.4	789.3
10°	769.5	767.0	771.9	781.9	784.4	794.3	806.7	831.5	834.0	819.1	816.6
12.5°	724.8	722.3	739.7	744.6	774.4	799.2	836.5	856.3	878.7	871.2	856.3
15°	692.5	697.5	709.9	729.7	757.0	801.7	843.9	888.6	928.3	918.4	913.4
17.5°	704.9	702.4	704.9	717.3	752.1	796.8	868.7	920.9	978.0	978.0	982.9
20°	742.2	749.6	747.1	739.7	757.0	794.3	868.7	960.6	1054.9	1047.5	1047.5
22.5°	806.7	809.2	794.3	789.3	786.8	809.2	883.6	1010.2	1119.4	1134.3	1129.4
25°	873.7	876.2	871.2	856.3	836.5	841.4	910.9	1049.9	1208.8	1233.6	1228.7
27.5°	985.4	982.9	970.5	953.1	923.4	901.0	953.1	1079.7	1278.3	1320.5	1308.1
30°	1097.1	1089.7	1072.3	1049.9	1022.6	980.4	1005.3	1136.8	1365.2	1404.9	1377.6
32.5°	1233.6	1218.7	1223.7	1188.9	1131.8	1064.8	1059.9	1188.9	1434.7	1491.8	1469.4
35°	1407.4	1390.0	1365.2	1332.9	1278.3	1188.9	1161.6	1273.3	1551.3	1593.5	1593.5
37.5°	1635.7	1653.1	1623.3	1489.3	1429.7	1345.3	1288.2	1360.2	1653.1	1754.9	1730.0
40°	1869.0	1883.9	1829.3	1730.0	1601.0	1496.7	1462.0	1501.7	1807.0	1928.6	1881.5
42.5°	2057.7	2077.5	2057.7	1928.6	1826.8	1692.8	1630.8	1668.0	2005.6	2152.0	2089.9
45°	2256.3	2276.1	2253.8	2169.4	2070.1	1993.1	1836.8	1883.9	2214.1	2432.5	2363.0
47.5°	2405.2	2430.0	2390.3	2372.9	2293.5	2281.1	2015.5	2067.6	2432.5	2715.4	2628.6
50°	2439.9	2467.2	2502.0	2521.8	2494.5	2524.3	2256.3	2300.9	2660.8	2976.1	2891.7
52.5°	2358.0	2385.3	2462.3	2554.1	2680.7	2770.1	2499.5	2536.7	2899.1	3192.0	3147.3
55°	2117.3	2142.1	2298.4	2422.6	2725.4	2871.8	2732.8	2889.2	3070.4	3417.9	3308.7
57.5°	1712.7	1742.5	1948.5	2139.6	2576.4	2814.7	2871.8	3182.1	3353.4	3584.2	3457.6
60°	1216.2	1233.6	1412.3	1749.9	2164.4	2529.3	2844.5	3400.5	3576.7	3807.6	3740.6
62.5°	700.0	714.9	901.0	1218.7	1633.2	2112.3	2722.9	3606.5	3817.5	4053.3	4016.1
65°	464.2	469.1	595.7	769.5	1062.3	1556.3	2415.1	3790.2	4055.8	4249.4	4207.2
67.5°	305.3	332.6	431.9	551.0	680.1	861.3	1968.3	3867.2	4328.8	4522.4	4512.5
70°	218.4	228.4	310.3	424.4	511.3	484.0	1151.7	3323.6	4316.4	4596.9	4515.0
72.5°	129.1	139.0	206.0	317.7	402.1	307.8	538.6	2350.6	3576.7	3668.6	3646.2
75°	94.3	94.3	126.6	228.4	292.9	220.9	253.2	1486.8	2375.4	2578.9	2576.4
77.5°	67.0	69.5	86.9	136.5	225.9	161.3	139.0	826.5	1298.2	1419.8	1352.8
80°	39.7	42.2	59.6	81.9	163.8	116.7	91.8	377.3	498.9	503.9	479.1
82.5°	29.8	29.8	39.7	57.1	114.2	79.4	57.1	144.0	161.3	146.4	124.1
85°	17.4	14.9	29.8	42.2	67.0	44.7	39.7	67.0	74.5	54.6	49.6
87.5°	5.0	5.0	12.4	14.9	29.8	24.8	17.4	24.8	34.7	19.9	14.9
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: P676267
 CATALOG NUMBER: CCW-SA-1E-735-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	757.0	757.0	757.0	757.0	757.0	757.0	757.0	757.0	757.0	757.0	757.0
2.5°	762.0	754.6	742.2	737.2	719.8	712.4	707.4	695.0	697.5	690.0	690.0
5°	754.6	754.6	729.7	702.4	675.1	657.8	637.9	613.1	613.1	603.2	605.6
7.5°	781.9	762.0	729.7	680.1	635.4	595.7	578.3	553.5	538.6	531.2	531.2
10°	799.2	779.4	724.8	665.2	608.1	558.5	521.2	486.5	466.6	466.6	464.2
12.5°	846.4	816.6	744.6	662.7	578.3	503.9	446.8	407.1	379.8	359.9	364.9
15°	886.1	853.9	754.6	642.9	526.2	422.0	352.5	278.0	240.8	220.9	213.5
17.5°	948.2	888.6	776.9	608.1	446.8	330.1	228.4	166.3	151.4	148.9	148.9
20°	1000.3	930.8	779.4	541.1	367.4	211.0	146.4	136.5	129.1	126.6	124.1
22.5°	1072.3	985.4	769.5	464.2	263.1	141.5	124.1	114.2	109.2	101.8	101.8
25°	1146.7	1057.4	749.6	392.2	161.3	121.6	109.2	99.3	89.4	84.4	86.9
27.5°	1226.2	1112.0	692.5	305.3	124.1	106.7	89.4	81.9	76.9	74.5	74.5
30°	1290.7	1146.7	608.1	203.5	111.7	94.3	79.4	72.0	67.0	64.5	64.5
32.5°	1337.9	1176.5	513.8	136.5	101.8	84.4	72.0	64.5	59.6	57.1	57.1
35°	1417.3	1198.9	426.9	116.7	91.8	74.5	62.1	57.1	52.1	52.1	52.1
37.5°	1538.9	1228.7	340.1	106.7	84.4	67.0	59.6	52.1	49.6	47.2	47.2
40°	1645.6	1265.9	243.2	96.8	76.9	62.1	52.1	47.2	44.7	42.2	42.2
42.5°	1799.5	1308.1	158.9	86.9	69.5	57.1	47.2	42.2	39.7	37.2	37.2
45°	1995.6	1377.6	124.1	76.9	62.1	52.1	44.7	39.7	34.7	34.7	32.3
47.5°	2204.1	1462.0	111.7	72.0	57.1	47.2	39.7	34.7	32.3	29.8	29.8
50°	2397.7	1543.9	104.2	67.0	52.1	44.7	37.2	32.3	27.3	24.8	24.8
52.5°	2571.5	1620.8	99.3	62.1	49.6	39.7	32.3	27.3	24.8	22.3	22.3
55°	2663.3	1655.6	96.8	59.6	44.7	37.2	29.8	24.8	22.3	19.9	19.9
57.5°	2807.3	1700.3	94.3	57.1	42.2	32.3	27.3	22.3	19.9	17.4	17.4
60°	3040.6	1846.7	91.8	54.6	39.7	32.3	24.8	19.9	14.9	12.4	12.4
62.5°	3234.2	1968.3	81.9	47.2	34.7	27.3	19.9	14.9	9.9	7.4	7.4
65°	3455.1	2025.4	72.0	42.2	29.8	22.3	14.9	9.9	7.4	2.5	2.5
67.5°	3695.9	2112.3	59.6	37.2	27.3	17.4	12.4	7.4	2.5	0.0	0.0
70°	3569.3	2003.1	49.6	32.3	24.8	14.9	9.9	5.0	0.0	0.0	0.0
72.5°	2797.4	1434.7	39.7	29.8	22.3	14.9	9.9	2.5	0.0	0.0	0.0
75°	1869.0	811.7	34.7	24.8	17.4	12.4	7.4	2.5	0.0	0.0	0.0
77.5°	1015.2	364.9	29.8	22.3	14.9	9.9	7.4	2.5	0.0	0.0	0.0
80°	330.1	144.0	24.8	19.9	14.9	9.9	7.4	2.5	0.0	0.0	0.0
82.5°	89.4	44.7	24.8	19.9	14.9	9.9	7.4	2.5	0.0	0.0	0.0
85°	37.2	29.8	24.8	19.9	14.9	9.9	7.4	2.5	0.0	0.0	0.0
87.5°	14.9	9.9	9.9	12.4	9.9	7.4	5.0	2.5	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: P676267
 CATALOG NUMBER: CCW-SA-1E-735-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	757.0	757.0	757.0	757.0	757.0	757.0	757.0	757.0	757.0	757.0	757.0
2.5°	692.5	697.5	700.0	700.0	712.4	724.8	739.7	752.1	752.1	759.5	767.0
5°	608.1	613.1	620.5	642.9	667.7	695.0	722.3	742.2	769.5	781.9	789.3
7.5°	538.6	543.6	563.4	585.8	620.5	667.7	714.9	759.5	786.8	799.2	809.2
10°	466.6	474.1	496.4	536.1	580.8	637.9	692.5	769.5	814.1	839.0	848.9
12.5°	362.4	382.2	412.0	454.2	511.3	598.2	700.0	779.4	856.3	886.1	906.0
15°	228.4	245.7	292.9	359.9	436.9	538.6	680.1	794.3	901.0	930.8	963.1
17.5°	146.4	148.9	163.8	235.8	335.1	464.2	650.3	816.6	950.7	992.9	1042.5
20°	124.1	129.1	131.6	141.5	223.4	382.2	588.3	843.9	1010.2	1067.3	1114.5
22.5°	104.2	106.7	111.7	119.1	134.0	278.0	503.9	843.9	1062.3	1146.7	1201.3
25°	84.4	89.4	94.3	101.8	116.7	173.7	417.0	829.0	1124.4	1228.7	1298.2
27.5°	74.5	74.5	79.4	86.9	99.3	121.6	330.1	784.4	1171.6	1278.3	1370.1
30°	64.5	67.0	69.5	76.9	89.4	106.7	228.4	712.4	1221.2	1375.1	1479.3
32.5°	57.1	57.1	62.1	67.0	79.4	96.8	146.4	603.2	1285.7	1449.6	1596.0
35°	52.1	52.1	54.6	59.6	72.0	86.9	114.2	511.3	1362.7	1591.0	1752.4
37.5°	47.2	47.2	49.6	54.6	64.5	76.9	104.2	439.3	1442.1	1732.5	1968.3
40°	42.2	42.2	44.7	49.6	57.1	69.5	94.3	354.9	1541.4	1941.0	2204.1
42.5°	37.2	37.2	39.7	44.7	52.1	62.1	81.9	265.6	1673.0	2166.9	2509.4
45°	32.3	32.3	34.7	39.7	44.7	57.1	74.5	203.5	1816.9	2417.6	2777.5
47.5°	27.3	29.8	32.3	37.2	42.2	52.1	67.0	178.7	1958.4	2683.2	3075.4
50°	24.8	24.8	27.3	32.3	39.7	47.2	62.1	176.2	2102.4	2886.7	3380.7
52.5°	22.3	22.3	24.8	29.8	37.2	44.7	59.6	181.2	2221.5	3075.4	3594.1
55°	19.9	19.9	22.3	24.8	32.3	42.2	54.6	186.2	2305.9	3266.5	3765.4
57.5°	17.4	17.4	19.9	24.8	29.8	37.2	49.6	191.1	2442.4	3455.1	4013.6
60°	12.4	12.4	17.4	22.3	27.3	32.3	47.2	196.1	2660.8	3715.7	4224.6
62.5°	7.4	7.4	9.9	17.4	22.3	29.8	42.2	186.2	2864.4	4050.8	4547.3
65°	2.5	5.0	7.4	9.9	17.4	24.8	34.7	168.8	3035.6	4385.9	4845.1
67.5°	0.0	0.0	2.5	7.4	14.9	19.9	29.8	124.1	3062.9	4537.3	5150.4
70°	0.0	0.0	2.5	7.4	12.4	19.9	27.3	69.5	2608.7	4053.3	4721.0
72.5°	0.0	0.0	0.0	5.0	12.4	17.4	24.8	52.1	1923.6	3055.5	3730.6
75°	0.0	0.0	0.0	2.5	9.9	14.9	22.3	39.7	1169.1	2037.8	2435.0
77.5°	0.0	0.0	0.0	2.5	7.4	14.9	22.3	34.7	412.0	970.5	1144.3
80°	0.0	0.0	0.0	5.0	9.9	14.9	19.9	29.8	99.3	243.2	327.6
82.5°	0.0	0.0	0.0	2.5	7.4	12.4	17.4	24.8	39.7	72.0	114.2
85°	0.0	0.0	0.0	2.5	5.0	12.4	17.4	22.3	27.3	34.7	49.6
87.5°	0.0	0.0	0.0	0.0	2.5	5.0	7.4	9.9	9.9	9.9	17.4
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: P676267
 CATALOG NUMBER: CCW-SA-1E-735-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	276°	285°	295°	305°	315°	325°	335°	345°	355°	360°
0°	757.0	757.0	757.0	757.0	757.0	757.0	757.0	757.0	757.0	757.0
2.5°	764.5	774.4	779.4	789.3	794.3	791.8	789.3	796.8	791.8	784.4
5°	791.8	791.8	799.2	801.7	801.7	794.3	799.2	796.8	791.8	791.8
7.5°	821.6	834.0	834.0	819.1	816.6	811.7	811.7	791.8	784.4	791.8
10°	851.4	861.3	863.8	846.4	824.1	814.1	801.7	776.9	764.5	769.5
12.5°	913.4	913.4	886.1	866.3	836.5	801.7	771.9	737.2	719.8	724.8
15°	958.1	968.0	930.8	886.1	834.0	769.5	737.2	709.9	700.0	692.5
17.5°	1045.0	1025.1	965.5	901.0	826.5	759.5	737.2	712.4	704.9	704.9
20°	1119.4	1109.5	1020.2	903.5	824.1	779.4	764.5	752.1	749.6	742.2
22.5°	1221.2	1176.5	1062.3	930.8	851.4	811.7	806.7	819.1	811.7	806.7
25°	1298.2	1260.9	1094.6	970.5	893.6	881.2	888.6	901.0	881.2	873.7
27.5°	1402.4	1332.9	1156.7	1022.6	950.7	963.1	987.9	990.4	978.0	985.4
30°	1499.2	1424.7	1203.8	1082.2	1047.5	1059.9	1097.1	1124.4	1107.0	1097.1
32.5°	1638.2	1524.0	1298.2	1181.5	1169.1	1201.3	1243.5	1260.9	1238.6	1233.6
35°	1784.6	1638.2	1395.0	1293.2	1315.5	1360.2	1397.4	1427.2	1392.5	1407.4
37.5°	2013.0	1821.9	1558.8	1469.4	1479.3	1496.7	1566.2	1648.1	1665.5	1635.7
40°	2251.3	2020.5	1710.2	1640.7	1663.0	1710.2	1792.1	1869.0	1908.8	1869.0
42.5°	2526.8	2211.6	1943.5	1861.6	1883.9	1951.0	2060.2	2122.2	2117.3	2057.7
45°	2866.9	2477.2	2161.9	2060.2	2142.1	2201.6	2310.9	2318.3	2271.1	2256.3
47.5°	3127.5	2700.6	2397.7	2333.2	2444.9	2447.4	2472.2	2474.7	2422.6	2405.2
50°	3415.4	2958.7	2660.8	2566.5	2755.2	2668.3	2601.3	2556.6	2477.2	2439.9
52.5°	3698.4	3142.4	2904.1	2807.3	3003.4	2772.5	2650.9	2514.4	2397.7	2358.0
55°	3849.8	3445.2	3259.0	3033.2	3058.0	2802.3	2497.0	2325.8	2127.2	2117.3
57.5°	4028.5	3648.7	3559.4	3187.0	2966.1	2593.8	2176.8	1951.0	1737.5	1712.7
60°	4239.5	3971.4	3877.1	3162.2	2641.0	2179.3	1725.1	1434.7	1233.6	1216.2
62.5°	4475.3	4353.6	4073.2	2919.0	2097.4	1534.0	1139.3	896.0	709.9	700.0
65°	4847.6	4673.8	4177.4	2457.3	1387.5	982.9	757.0	580.8	469.1	464.2
67.5°	5080.9	4795.5	3944.1	1752.4	769.5	650.3	531.2	422.0	325.2	305.3
70°	4750.8	4400.8	3120.0	1002.8	446.8	493.9	409.6	283.0	223.4	218.4
72.5°	3795.2	3266.5	2099.9	471.6	278.0	387.2	297.9	191.1	134.0	129.1
75°	2588.9	2055.2	1318.0	218.4	196.1	283.0	218.4	111.7	94.3	94.3
77.5°	1156.7	1047.5	675.1	134.0	146.4	215.9	126.6	76.9	69.5	67.0
80°	352.5	369.8	275.5	91.8	109.2	163.8	76.9	52.1	42.2	39.7
82.5°	119.1	139.0	124.1	54.6	74.5	116.7	52.1	34.7	29.8	29.8
85°	57.1	69.5	62.1	34.7	39.7	57.1	42.2	27.3	17.4	17.4
87.5°	22.3	32.3	22.3	14.9	22.3	29.8	17.4	12.4	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)