

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: CORELITE

Report Number: P395484

Luminaire Tested: **I3-CL-80L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395484
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-CL-80L92765-1D-UNV-W2A-W-4 (6500K)
Description: CORELITE I3, CLEAR TOP COVER
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6981.7 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

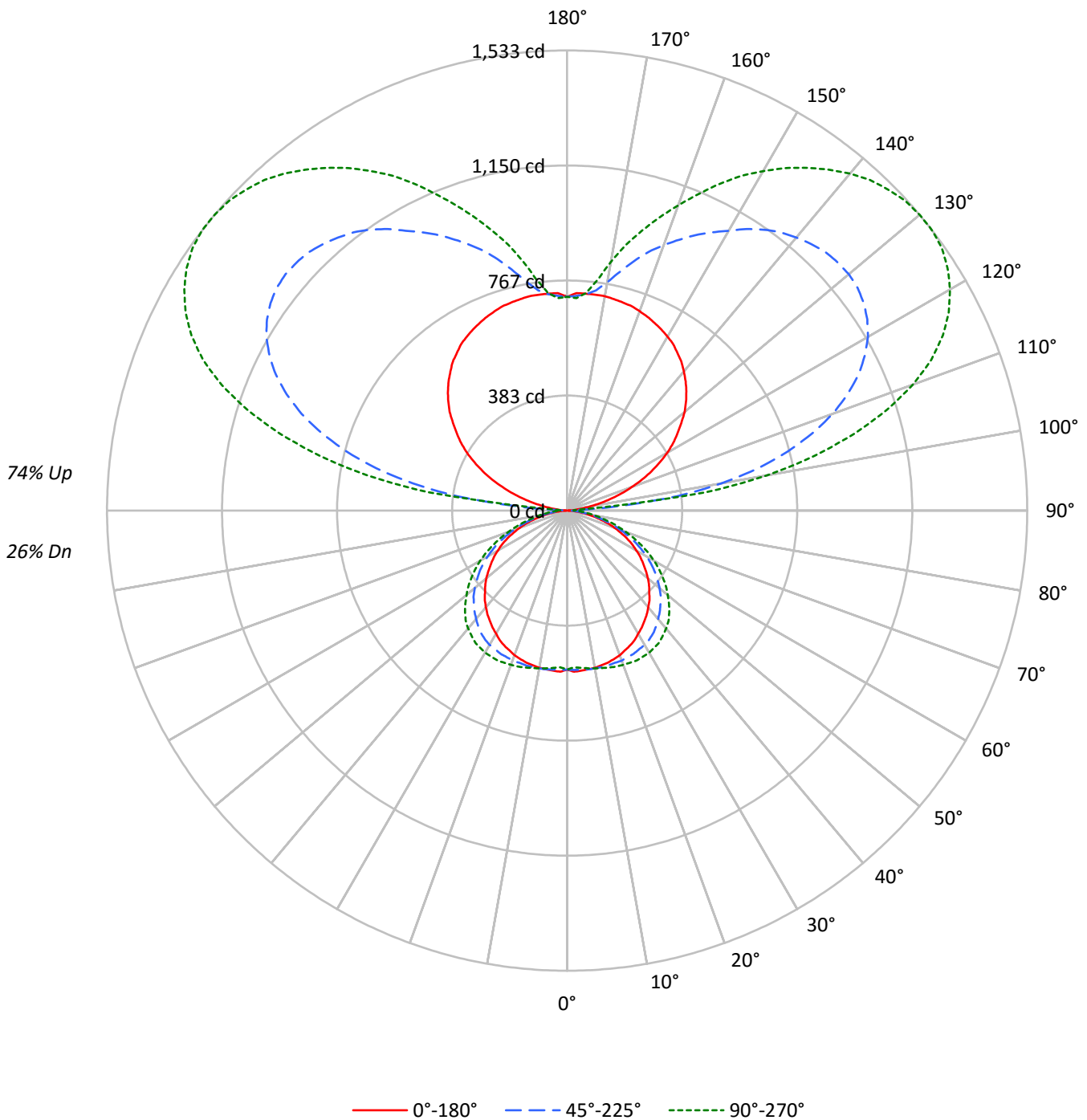
Input Watts (W): 65.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	101	101	101	101	91	91	91	91	70	70	70	51	51	51	34	34	34	26
1	92	88	84	81	82	79	75	73	61	59	57	45	43	42	30	29	28	22
2	84	77	71	65	74	68	63	59	53	50	47	39	37	35	26	25	24	18
3	76	67	60	54	68	60	54	49	47	42	39	34	32	29	23	21	20	15
4	70	59	51	45	62	53	46	41	41	37	33	30	27	25	20	18	17	13
5	64	52	44	39	56	47	40	35	37	32	28	27	24	21	18	16	15	11
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	13	9
7	54	42	34	29	48	38	31	26	30	25	21	22	19	16	15	13	11	8
8	50	38	30	25	44	34	27	23	27	22	18	20	17	14	14	11	10	7
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	12	10	9	6
10	43	31	24	20	38	28	22	18	22	18	15	17	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2912	2912	2912
5°	2943	2867	2820
10°	2945	2845	2813
15°	2949	2835	2827
20°	2954	2836	2852
25°	2950	2838	2889
30°	2933	2843	2910
35°	2926	2827	2913
40°	2915	2767	2876
45°	2885	2700	2804
50°	2859	2611	2679
55°	2800	2480	2525
60°	2732	2305	2331
65°	2620	2070	2066
70°	2433	1763	1749
75°	2100	1402	1404
80°	1629	996	1028
85°	955	617	690



TEST NUMBER: P395484

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (6500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.7	0.7
10°-20°	150.6	2.2
20°-30°	241.5	3.5
30°-40°	308.8	4.4
40°-50°	336.7	4.8
50°-60°	315.5	4.5
60°-70°	244.8	3.5
70°-80°	140.3	2.0
80°-90°	44.9	0.6
90°-100°	180.1	2.6
100°-110°	700.0	10.0
110°-120°	953.0	13.6
120°-130°	989.2	14.2
130°-140°	877.5	12.6
140°-150°	680.8	9.8
150°-160°	454.4	6.5
160°-170°	242.2	3.5
170°-180°	70.9	1.0
0°-30°	442.8	6.3
0°-40°	751.6	10.8
0°-60°	1403.8	20.1
0°-90°	1833.7	26.3
90°-120°	1833.1	26.3
90°-150°	4380.6	62.7
90°-180°	5148.0	73.7
0°-180°	6981.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	530	530	530	530	530	
5°	535	530	532	530	526	51
15°	524	522	534	541	541	148
25°	496	500	526	545	550	229
35°	449	458	500	526	535	281
45°	387	404	440	468	481	299
55°	310	327	357	381	389	277
65°	220	229	250	267	272	217
75°	115	120	132	145	148	122
85°	22	26	40	51	53	27
90°	2	6	13	19	22	3
95°	22	128	175	36	34	30
105°	148	449	761	904	990	158
115°	310	693	1071	1259	1381	306
125°	449	817	1206	1417	1524	402
135°	562	860	1217	1428	1512	433
145°	641	860	1142	1326	1394	401
155°	690	814	1013	1148	1200	318
165°	718	748	860	941	966	203
175°	725	721	723	727	727	69
180°	712	712	712	712	712	



TEST NUMBER: P395484

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8
2.5°	537.3	535.4	535.4	531.7	531.7	529.8	529.8	529.8	529.8	529.8	531.7
5°	535.4	535.4	533.6	531.7	531.7	529.8	529.8	529.8	529.8	529.8	531.7
7.5°	533.6	533.6	531.7	529.8	529.8	529.8	529.8	529.8	529.8	529.8	533.6
10°	531.7	531.7	529.8	527.9	527.9	527.9	527.9	529.8	529.8	529.8	533.6
12.5°	527.9	526.0	526.0	524.2	524.2	524.2	526.0	526.0	527.9	529.8	533.6
15°	524.2	524.2	522.3	520.4	522.3	522.3	522.3	524.2	526.0	527.9	533.6
17.5°	518.5	518.5	516.7	516.7	516.7	518.5	518.5	520.4	524.2	527.9	531.7
20°	512.9	511.0	511.0	511.0	512.9	512.9	514.8	518.5	520.4	526.0	531.7
22.5°	503.5	505.4	503.5	503.5	505.4	507.3	509.1	512.9	516.7	522.3	527.9
25°	496.0	496.0	496.0	496.0	499.7	499.7	503.5	507.3	512.9	518.5	526.0
27.5°	486.6	486.6	486.6	488.5	490.4	492.2	494.1	499.7	505.4	512.9	520.4
30°	473.4	473.4	473.4	473.4	479.1	481.0	484.7	492.2	497.9	507.3	516.7
32.5°	462.2	462.2	462.2	464.0	467.8	469.7	473.4	482.8	490.4	499.7	509.1
35°	449.0	449.0	450.9	450.9	456.5	458.4	462.2	469.7	477.2	488.5	499.7
37.5°	435.9	435.9	437.7	439.6	443.4	447.1	450.9	458.4	465.9	475.3	486.6
40°	420.8	420.8	422.7	424.6	430.2	434.0	437.7	445.3	452.8	462.2	471.6
42.5°	405.8	405.8	407.7	409.6	415.2	419.0	422.7	432.1	439.6	449.0	456.5
45°	387.0	388.9	390.8	394.5	400.2	403.9	407.7	415.2	424.6	432.1	439.6
47.5°	370.1	372.0	373.9	377.6	383.3	387.0	390.8	398.3	405.8	413.3	422.7
50°	351.3	353.2	355.1	358.8	364.5	368.2	372.0	379.5	387.0	392.7	402.0
52.5°	330.7	332.5	334.4	338.2	345.7	347.6	351.3	358.8	364.5	372.0	379.5
55°	310.0	311.9	313.7	317.5	323.1	326.9	328.8	336.3	341.9	349.4	357.0
57.5°	289.3	291.2	293.1	296.8	300.6	304.4	306.2	311.9	319.4	325.0	332.5
60°	266.8	268.7	270.5	272.4	278.1	279.9	281.8	287.4	293.1	300.6	306.2
62.5°	244.2	244.2	246.1	248.0	253.6	255.5	257.4	261.1	268.7	272.4	278.1
65°	219.8	219.8	221.7	223.6	227.3	229.2	231.1	234.8	240.5	244.2	249.9
67.5°	193.5	193.5	195.4	197.3	201.0	202.9	202.9	208.5	212.3	216.1	219.8
70°	169.1	169.1	171.0	171.0	172.8	174.7	176.6	180.4	182.2	187.9	189.8
72.5°	142.8	142.8	142.8	142.8	146.5	146.5	148.4	152.2	154.1	157.8	161.6
75°	114.6	114.6	116.5	116.5	118.4	120.2	122.1	124.0	127.8	129.6	131.5
77.5°	90.2	88.3	90.2	92.1	93.9	93.9	95.8	97.7	99.6	103.3	105.2
80°	63.9	63.9	63.9	65.8	67.6	67.6	69.5	71.4	73.3	77.0	78.9
82.5°	41.3	41.3	43.2	43.2	45.1	47.0	47.0	48.8	50.7	54.5	56.4
85°	22.5	22.5	22.5	24.4	26.3	26.3	28.2	30.1	33.8	35.7	39.5
87.5°	7.5	7.5	9.4	11.3	13.2	13.2	15.0	16.9	18.8	22.5	24.4
90°	1.9	1.9	1.9	3.8	3.8	5.6	5.6	7.5	9.4	11.3	13.2
92.5°	7.5	13.2	20.7	30.1	28.2	30.1	20.7	13.2	13.2	13.2	15.0
95°	22.5	33.8	54.5	86.4	112.7	127.8	140.9	154.1	180.4	182.2	174.7
97.5°	45.1	62.0	99.6	140.9	187.9	212.3	231.1	270.5	311.9	338.2	370.1
100°	75.1	99.6	148.4	204.8	259.3	291.2	321.3	377.6	428.4	473.4	522.3
102.5°	110.8	139.0	199.1	268.7	336.3	372.0	403.9	469.7	539.2	599.3	651.9
105°	148.4	180.4	251.8	330.7	407.7	449.0	488.5	559.9	633.1	698.9	760.9
107.5°	189.8	223.6	300.6	388.9	475.3	522.3	565.5	642.5	719.6	790.9	856.7
110°	229.2	266.8	347.6	443.4	541.1	588.0	631.3	715.8	796.6	871.7	941.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	270.5	310.0	390.8	496.0	595.6	644.4	689.5	779.7	864.2	941.2	1010.8
115°	310.0	347.6	432.1	541.1	642.5	693.3	742.1	834.2	922.5	999.5	1070.9
117.5°	347.6	383.3	469.7	578.7	683.9	734.6	783.4	879.2	967.6	1048.3	1117.8
120°	385.1	417.1	511.0	610.6	717.7	768.4	819.1	914.9	1005.1	1085.9	1157.3
122.5°	419.0	449.0	541.1	638.8	744.0	796.6	845.4	943.1	1035.2	1116.0	1185.5
125°	449.0	477.2	569.3	661.3	766.5	817.3	868.0	963.8	1055.9	1134.8	1206.1
127.5°	479.1	507.3	589.9	683.9	781.6	834.2	883.0	978.8	1069.0	1149.8	1219.3
130°	511.0	531.7	610.6	704.5	796.6	845.4	896.2	988.2	1076.5	1155.4	1224.9
132.5°	537.3	556.1	631.3	721.4	807.9	854.8	899.9	992.0	1080.3	1155.4	1223.1
135°	561.7	576.8	646.3	736.5	817.3	860.5	903.7	990.1	1076.5	1151.7	1217.4
137.5°	584.3	599.3	659.4	747.7	824.8	862.3	903.7	984.5	1067.1	1142.3	1204.3
140°	605.0	616.2	670.7	753.4	828.5	864.2	899.9	975.1	1052.1	1125.4	1187.4
142.5°	625.6	635.0	680.1	757.1	830.4	864.2	898.0	963.8	1035.2	1106.6	1168.6
145°	640.6	650.0	687.6	759.0	828.5	860.5	890.5	952.5	1016.4	1082.2	1142.3
147.5°	657.6	665.1	695.1	755.3	822.9	852.9	881.1	937.5	995.7	1055.9	1112.2
150°	668.8	676.3	698.9	751.5	813.5	841.7	869.9	922.5	975.1	1027.7	1076.5
152.5°	680.1	685.7	704.5	745.9	802.2	828.5	854.8	905.6	954.4	1001.4	1044.6
155°	689.5	695.1	708.3	742.1	789.1	813.5	837.9	886.8	931.9	973.2	1012.6
157.5°	698.9	702.6	712.0	736.5	774.0	796.6	819.1	862.3	903.7	945.0	976.9
160°	706.4	708.3	715.8	734.6	760.9	777.8	798.5	837.9	875.5	911.2	941.2
162.5°	713.9	713.9	719.6	730.8	749.6	760.9	775.9	809.7	843.6	875.5	903.7
165°	717.7	717.7	721.4	729.0	740.2	747.7	757.1	779.7	806.0	834.2	860.5
167.5°	721.4	721.4	723.3	727.1	734.6	738.3	742.1	757.1	774.0	794.7	815.4
170°	725.2	723.3	723.3	727.1	729.0	730.8	732.7	740.2	747.7	760.9	772.2
172.5°	725.2	723.3	723.3	725.2	725.2	725.2	725.2	727.1	729.0	736.5	740.2
175°	725.2	723.3	723.3	723.3	723.3	721.4	721.4	721.4	721.4	721.4	723.3
177.5°	725.2	723.3	721.4	721.4	719.6	719.6	717.7	717.7	715.8	715.8	715.8
180°	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8
2.5°	531.7	531.7	529.8	529.8	527.9	527.9	526.0	524.2	522.3	522.3
5°	533.6	531.7	529.8	529.8	529.8	527.9	527.9	527.9	526.0	526.0
7.5°	533.6	533.6	533.6	531.7	531.7	531.7	531.7	531.7	529.8	529.8
10°	535.4	535.4	535.4	535.4	535.4	535.4	535.4	533.6	533.6	533.6
12.5°	535.4	535.4	535.4	537.3	537.3	537.3	537.3	537.3	537.3	537.3
15°	537.3	537.3	539.2	539.2	541.1	541.1	543.0	543.0	543.0	541.1
17.5°	535.4	537.3	539.2	541.1	543.0	543.0	544.8	544.8	544.8	544.8
20°	535.4	539.2	541.1	543.0	544.8	544.8	546.7	548.6	548.6	546.7
22.5°	533.6	537.3	539.2	543.0	544.8	544.8	548.6	548.6	548.6	548.6
25°	531.7	535.4	539.2	543.0	544.8	544.8	548.6	548.6	550.5	550.5
27.5°	527.9	531.7	537.3	541.1	543.0	544.8	546.7	548.6	548.6	548.6
30°	522.3	527.9	533.6	537.3	539.2	541.1	543.0	544.8	546.7	546.7
32.5°	514.8	520.4	526.0	531.7	533.6	535.4	539.2	541.1	541.1	541.1
35°	507.3	512.9	518.5	524.2	526.0	527.9	531.7	533.6	535.4	535.4
37.5°	496.0	501.6	507.3	512.9	514.8	518.5	522.3	524.2	524.2	524.2
40°	479.1	488.5	496.0	501.6	503.5	507.3	509.1	512.9	512.9	512.9
42.5°	464.0	471.6	477.2	484.7	486.6	492.2	496.0	497.9	499.7	499.7
45°	447.1	454.7	460.3	465.9	467.8	471.6	475.3	477.2	479.1	481.0
47.5°	430.2	435.9	441.5	447.1	449.0	452.8	456.5	458.4	460.3	460.3
50°	409.6	415.2	420.8	426.5	428.4	432.1	434.0	435.9	437.7	437.7
52.5°	387.0	392.7	398.3	403.9	405.8	407.7	411.4	413.3	415.2	415.2
55°	364.5	370.1	373.9	379.5	381.4	383.3	385.1	388.9	390.8	388.9
57.5°	338.2	343.8	347.6	353.2	355.1	357.0	358.8	360.7	362.6	362.6
60°	310.0	315.6	321.3	325.0	326.9	328.8	330.7	332.5	334.4	334.4
62.5°	281.8	287.4	291.2	296.8	298.7	298.7	300.6	302.5	304.4	304.4
65°	253.6	259.3	261.1	266.8	266.8	268.7	270.5	272.4	272.4	272.4
67.5°	223.6	229.2	231.1	234.8	234.8	236.7	238.6	240.5	240.5	240.5
70°	195.4	197.3	201.0	202.9	204.8	204.8	206.7	208.5	210.4	208.5
72.5°	165.3	167.2	171.0	172.8	172.8	174.7	174.7	176.6	178.5	178.5
75°	135.3	139.0	140.9	142.8	144.7	144.7	146.5	148.4	148.4	148.4
77.5°	107.1	110.8	112.7	114.6	116.5	116.5	118.4	118.4	120.2	118.4
80°	82.7	84.5	86.4	88.3	90.2	90.2	92.1	93.9	93.9	93.9
82.5°	60.1	62.0	65.8	67.6	67.6	67.6	71.4	71.4	73.3	71.4
85°	41.3	43.2	47.0	48.8	50.7	50.7	50.7	52.6	54.5	52.6
87.5°	26.3	30.1	31.9	33.8	33.8	33.8	35.7	37.6	37.6	37.6
90°	15.0	15.0	16.9	18.8	18.8	20.7	20.7	22.5	22.5	22.5
92.5°	15.0	16.9	16.9	16.9	18.8	18.8	18.8	20.7	20.7	20.7
95°	127.8	92.1	52.6	41.3	35.7	35.7	33.8	35.7	33.8	33.8
97.5°	387.0	419.0	434.0	454.7	465.9	464.0	456.5	464.0	458.4	464.0
100°	550.5	580.5	603.1	608.7	620.0	625.6	646.3	661.3	668.8	678.2
102.5°	683.9	719.6	745.9	760.9	772.2	779.7	804.1	826.6	837.9	845.4
105°	806.0	843.6	875.5	890.5	903.7	911.2	937.5	963.8	980.7	990.1
107.5°	903.7	946.9	980.7	1003.2	1016.4	1029.5	1061.5	1087.8	1108.5	1117.8
110°	992.0	1035.2	1070.9	1097.2	1112.2	1125.4	1161.1	1191.1	1213.7	1224.9



TEST NUMBER: P395484

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1065.2	1112.2	1147.9	1176.1	1191.1	1209.9	1243.7	1277.5	1300.1	1313.2
115°	1125.4	1174.2	1211.8	1241.8	1258.8	1275.7	1315.1	1348.9	1371.5	1380.9
117.5°	1176.1	1224.9	1264.4	1294.5	1313.2	1332.0	1371.5	1401.5	1426.0	1433.5
120°	1217.4	1266.3	1305.7	1339.5	1358.3	1375.2	1412.8	1444.7	1467.3	1472.9
122.5°	1245.6	1296.3	1337.7	1375.2	1392.1	1409.1	1444.7	1476.7	1497.4	1503.0
125°	1266.3	1318.9	1360.2	1399.7	1416.6	1433.5	1467.3	1499.2	1516.1	1523.7
127.5°	1279.4	1332.0	1377.1	1414.7	1433.5	1448.5	1482.3	1510.5	1527.4	1533.1
130°	1283.2	1337.7	1382.8	1422.2	1439.1	1454.1	1486.1	1514.3	1529.3	1533.1
132.5°	1283.2	1335.8	1382.8	1420.3	1437.2	1452.3	1482.3	1508.6	1523.7	1527.4
135°	1275.7	1326.4	1373.4	1410.9	1427.8	1442.9	1472.9	1495.5	1510.5	1512.4
137.5°	1262.5	1311.4	1356.4	1394.0	1410.9	1426.0	1452.3	1476.7	1489.8	1493.6
140°	1245.6	1290.7	1335.8	1371.5	1388.4	1401.5	1427.8	1448.5	1461.7	1465.4
142.5°	1223.1	1268.1	1309.5	1345.2	1358.3	1373.4	1395.9	1416.6	1427.8	1431.6
145°	1198.6	1241.8	1279.4	1311.4	1326.4	1339.5	1360.2	1379.0	1390.3	1394.0
147.5°	1166.7	1209.9	1245.6	1275.7	1288.8	1302.0	1320.8	1337.7	1348.9	1352.7
150°	1127.2	1166.7	1204.3	1232.5	1245.6	1258.8	1277.5	1292.6	1303.8	1305.7
152.5°	1087.8	1125.4	1157.3	1185.5	1198.6	1211.8	1228.7	1243.7	1256.9	1256.9
155°	1050.2	1082.2	1112.2	1136.6	1147.9	1159.2	1176.1	1189.2	1200.5	1200.5
157.5°	1010.8	1040.8	1065.2	1087.8	1097.2	1106.6	1121.6	1132.9	1142.3	1140.4
160°	973.2	995.7	1018.3	1037.1	1046.5	1054.0	1065.2	1074.6	1084.0	1082.2
162.5°	931.9	952.5	971.3	984.5	992.0	997.6	1008.9	1018.3	1023.9	1023.9
165°	884.9	903.7	920.6	933.7	941.2	945.0	954.4	960.0	965.7	965.7
167.5°	836.0	851.1	866.1	877.4	884.9	888.6	898.0	901.8	909.3	907.4
170°	787.2	798.5	809.7	819.1	822.9	826.6	834.2	837.9	841.7	841.7
172.5°	747.7	751.5	757.1	764.6	764.6	766.5	770.3	772.2	774.0	774.0
175°	725.2	727.1	727.1	727.1	727.1	727.1	729.0	727.1	729.0	727.1
177.5°	715.8	715.8	713.9	713.9	712.0	713.9	712.0	710.2	710.2	708.3
180°	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0

(END OF REPORT)