

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: P395480

Luminaire Tested: **I3-CL-80L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395480
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 (4000K)
Description: CORELITE I3, CLEAR TOP COVER
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6496.2 lumens
Efficiency: N/A
Efficacy: 103.1 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

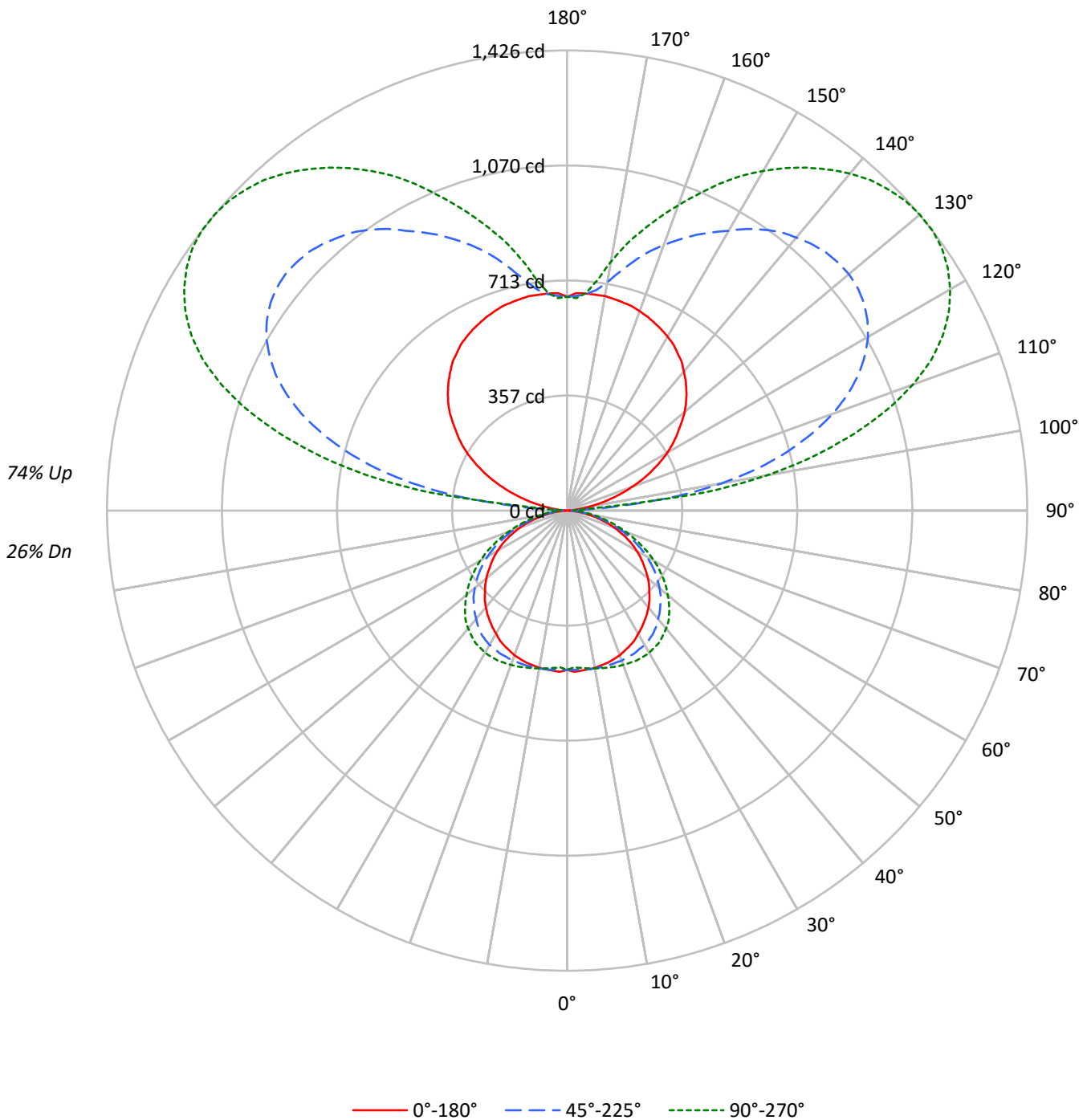
Input Watts (W): 63
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395480

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (4000K)

Luminous Intensity Polar Plot





TEST NUMBER: P395480

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (4000K)

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°	2710	2710	2710
5°	2739	2667	2624
10°	2740	2647	2617
15°	2744	2637	2630
20°	2749	2638	2654
25°	2744	2641	2688
30°	2729	2645	2708
35°	2722	2631	2710
40°	2713	2574	2676
45°	2685	2512	2609
50°	2660	2429	2493
55°	2605	2307	2350
60°	2541	2145	2169
65°	2437	1926	1923
70°	2263	1640	1627
75°	1954	1305	1307
80°	1515	927	957
85°	891	573	641



TEST NUMBER: P395480

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (4000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.2	0.7
10°-20°	140.1	2.2
20°-30°	224.7	3.5
30°-40°	287.3	4.4
40°-50°	313.3	4.8
50°-60°	293.5	4.5
60°-70°	227.8	3.5
70°-80°	130.5	2.0
80°-90°	41.7	0.6
90°-100°	167.5	2.6
100°-110°	651.3	10.0
110°-120°	886.7	13.6
120°-130°	920.4	14.2
130°-140°	816.5	12.6
140°-150°	633.5	9.8
150°-160°	422.8	6.5
160°-170°	225.3	3.5
170°-180°	65.9	1.0
0°-30°	412.0	6.3
0°-40°	699.3	10.8
0°-60°	1306.1	20.1
0°-90°	1706.2	26.3
90°-120°	1705.6	26.3
90°-150°	4075.9	62.7
90°-180°	4790.0	73.7
0°-180°	6496.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	493	493	493	493	493	
5°	498	493	495	493	490	47
15°	488	486	496	503	503	138
25°	462	465	490	507	512	213
35°	418	426	465	490	498	262
45°	360	376	409	435	448	278
55°	288	304	332	355	362	258
65°	204	213	232	248	254	202
75°	107	112	122	135	138	114
85°	21	24	37	47	49	25
90°	2	5	12	18	21	2
95°	21	119	163	33	32	28
105°	138	418	708	841	921	147
115°	288	645	996	1171	1285	284
125°	418	760	1122	1318	1418	374
135°	523	801	1133	1328	1407	403
145°	596	801	1063	1234	1297	373
155°	642	757	942	1068	1117	296
165°	668	696	801	876	898	189
175°	675	671	673	676	676	64
180°	662	662	662	662	662	



TEST NUMBER: P395480

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	493.0	493.0	493.0	493.0	493.0	493.0	493.0	493.0	493.0	493.0	493.0
2.5°	500.0	498.2	498.2	494.7	494.7	493.0	493.0	493.0	493.0	493.0	494.7
5°	498.2	498.2	496.5	494.7	494.7	493.0	493.0	493.0	493.0	493.0	494.7
7.5°	496.5	496.5	494.7	493.0	493.0	493.0	493.0	493.0	493.0	493.0	496.5
10°	494.7	494.7	493.0	491.2	491.2	491.2	491.2	493.0	493.0	493.0	496.5
12.5°	491.2	489.5	489.5	487.7	487.7	487.7	489.5	489.5	491.2	493.0	496.5
15°	487.7	487.7	486.0	484.2	486.0	486.0	486.0	487.7	489.5	491.2	496.5
17.5°	482.5	482.5	480.7	480.7	480.7	482.5	482.5	484.2	487.7	491.2	494.7
20°	477.2	475.5	475.5	475.5	477.2	477.2	479.0	482.5	484.2	489.5	494.7
22.5°	468.5	470.2	468.5	468.5	470.2	472.0	473.7	477.2	480.7	486.0	491.2
25°	461.5	461.5	461.5	461.5	465.0	465.0	468.5	472.0	477.2	482.5	489.5
27.5°	452.8	452.8	452.8	454.5	456.2	458.0	459.7	465.0	470.2	477.2	484.2
30°	440.5	440.5	440.5	440.5	445.8	447.5	451.0	458.0	463.2	472.0	480.7
32.5°	430.0	430.0	430.0	431.8	435.3	437.0	440.5	449.3	456.2	465.0	473.7
35°	417.8	417.8	419.5	419.5	424.8	426.5	430.0	437.0	444.0	454.5	465.0
37.5°	405.6	405.6	407.3	409.1	412.5	416.0	419.5	426.5	433.5	442.3	452.8
40°	391.6	391.6	393.3	395.1	400.3	403.8	407.3	414.3	421.3	430.0	438.8
42.5°	377.6	377.6	379.3	381.1	386.3	389.8	393.3	402.1	409.1	417.8	424.8
45°	360.1	361.9	363.6	367.1	372.3	375.8	379.3	386.3	395.1	402.1	409.1
47.5°	344.4	346.1	347.9	351.4	356.6	360.1	363.6	370.6	377.6	384.6	393.3
50°	326.9	328.6	330.4	333.9	339.1	342.6	346.1	353.1	360.1	365.3	374.1
52.5°	307.7	309.4	311.2	314.7	321.6	323.4	326.9	333.9	339.1	346.1	353.1
55°	288.4	290.2	291.9	295.4	300.7	304.2	305.9	312.9	318.2	325.1	332.1
57.5°	269.2	271.0	272.7	276.2	279.7	283.2	284.9	290.2	297.2	302.4	309.4
60°	248.2	250.0	251.7	253.5	258.7	260.5	262.2	267.5	272.7	279.7	284.9
62.5°	227.3	227.3	229.0	230.7	236.0	237.7	239.5	243.0	250.0	253.5	258.7
65°	204.5	204.5	206.3	208.0	211.5	213.3	215.0	218.5	223.8	227.3	232.5
67.5°	180.1	180.1	181.8	183.5	187.0	188.8	188.8	194.0	197.5	201.0	204.5
70°	157.3	157.3	159.1	159.1	160.8	162.6	164.3	167.8	169.6	174.8	176.6
72.5°	132.9	132.9	132.9	132.9	136.4	136.4	138.1	141.6	143.3	146.8	150.3
75°	106.6	106.6	108.4	108.4	110.1	111.9	113.6	115.4	118.9	120.6	122.4
77.5°	83.9	82.2	83.9	85.7	87.4	87.4	89.2	90.9	92.6	96.1	97.9
80°	59.4	59.4	59.4	61.2	62.9	62.9	64.7	66.4	68.2	71.7	73.4
82.5°	38.5	38.5	40.2	40.2	42.0	43.7	43.7	45.5	47.2	50.7	52.4
85°	21.0	21.0	21.0	22.7	24.5	24.5	26.2	28.0	31.5	33.2	36.7
87.5°	7.0	7.0	8.7	10.5	12.2	12.2	14.0	15.7	17.5	21.0	22.7
90°	1.7	1.7	1.7	3.5	3.5	5.2	5.2	7.0	8.7	10.5	12.2
92.5°	7.0	12.2	19.2	28.0	26.2	28.0	19.2	12.2	12.2	12.2	14.0
95°	21.0	31.5	50.7	80.4	104.9	118.9	131.1	143.3	167.8	169.6	162.6
97.5°	42.0	57.7	92.6	131.1	174.8	197.5	215.0	251.7	290.2	314.7	344.4
100°	69.9	92.6	138.1	190.5	241.2	271.0	298.9	351.4	398.6	440.5	486.0
102.5°	103.1	129.4	185.3	250.0	312.9	346.1	375.8	437.0	501.7	557.6	606.6
105°	138.1	167.8	234.2	307.7	379.3	417.8	454.5	520.9	589.1	650.3	708.0
107.5°	176.6	208.0	279.7	361.9	442.3	486.0	526.2	597.8	669.5	735.9	797.1
110°	213.3	248.2	323.4	412.5	503.4	547.1	587.4	666.0	741.2	811.1	875.8



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CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	251.7	288.4	363.6	461.5	554.1	599.6	641.5	725.5	804.1	875.8	940.5
115°	288.4	323.4	402.1	503.4	597.8	645.0	690.5	776.1	858.3	930.0	996.4
117.5°	323.4	356.6	437.0	538.4	636.3	683.5	728.9	818.1	900.3	975.4	1040.1
120°	358.4	388.1	475.5	568.1	667.8	715.0	762.2	851.3	935.2	1010.4	1076.8
122.5°	389.8	417.8	503.4	594.3	692.2	741.2	786.6	877.5	963.2	1038.4	1103.0
125°	417.8	444.0	529.7	615.3	713.2	760.4	807.6	896.8	982.4	1055.8	1122.3
127.5°	445.8	472.0	548.9	636.3	727.2	776.1	821.6	910.7	994.7	1069.8	1134.5
130°	475.5	494.7	568.1	655.5	741.2	786.6	833.8	919.5	1001.6	1075.1	1139.7
132.5°	500.0	517.4	587.4	671.3	751.7	795.4	837.3	923.0	1005.1	1075.1	1138.0
135°	522.7	536.7	601.3	685.2	760.4	800.6	840.8	921.2	1001.6	1071.6	1132.8
137.5°	543.7	557.6	613.6	695.7	767.4	802.4	840.8	916.0	992.9	1062.8	1120.5
140°	562.9	573.4	624.1	701.0	770.9	804.1	837.3	907.3	978.9	1047.1	1104.8
142.5°	582.1	590.9	632.8	704.5	772.7	804.1	835.6	896.8	963.2	1029.6	1087.3
145°	596.1	604.8	639.8	706.2	770.9	800.6	828.6	886.3	945.7	1006.9	1062.8
147.5°	611.8	618.8	646.8	702.7	765.7	793.6	819.8	872.3	926.5	982.4	1034.9
150°	622.3	629.3	650.3	699.2	756.9	783.1	809.4	858.3	907.3	956.2	1001.6
152.5°	632.8	638.0	655.5	694.0	746.4	770.9	795.4	842.6	888.0	931.7	971.9
155°	641.5	646.8	659.0	690.5	734.2	756.9	779.6	825.1	867.0	905.5	942.2
157.5°	650.3	653.8	662.5	685.2	720.2	741.2	762.2	802.4	840.8	879.3	909.0
160°	657.3	659.0	666.0	683.5	708.0	723.7	742.9	779.6	814.6	847.8	875.8
162.5°	664.3	664.3	669.5	680.0	697.5	708.0	722.0	753.4	784.9	814.6	840.8
165°	667.8	667.8	671.3	678.3	688.7	695.7	704.5	725.5	749.9	776.1	800.6
167.5°	671.3	671.3	673.0	676.5	683.5	687.0	690.5	704.5	720.2	739.4	758.7
170°	674.8	673.0	673.0	676.5	678.3	680.0	681.8	688.7	695.7	708.0	718.5
172.5°	674.8	673.0	673.0	674.8	674.8	674.8	674.8	676.5	678.3	685.2	688.7
175°	674.8	673.0	673.0	673.0	673.0	671.3	671.3	671.3	671.3	671.3	673.0
177.5°	674.8	673.0	671.3	671.3	669.5	669.5	667.8	667.8	666.0	666.0	666.0
180°	662.5	662.5	662.5	662.5	662.5	662.5	662.5	662.5	662.5	662.5	662.5



TEST NUMBER: P395480

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	493.0	493.0	493.0	493.0	493.0	493.0	493.0	493.0	493.0	493.0
2.5°	494.7	494.7	493.0	493.0	491.2	491.2	489.5	487.7	486.0	486.0
5°	496.5	494.7	493.0	493.0	493.0	491.2	491.2	491.2	489.5	489.5
7.5°	496.5	496.5	496.5	494.7	494.7	494.7	494.7	494.7	493.0	493.0
10°	498.2	498.2	498.2	498.2	498.2	498.2	498.2	496.5	496.5	496.5
12.5°	498.2	498.2	498.2	500.0	500.0	500.0	500.0	500.0	500.0	500.0
15°	500.0	500.0	501.7	501.7	503.4	503.4	505.2	505.2	505.2	503.4
17.5°	498.2	500.0	501.7	503.4	505.2	505.2	506.9	506.9	506.9	506.9
20°	498.2	501.7	503.4	505.2	506.9	506.9	508.7	510.4	510.4	508.7
22.5°	496.5	500.0	501.7	505.2	506.9	506.9	510.4	510.4	510.4	510.4
25°	494.7	498.2	501.7	505.2	506.9	506.9	510.4	510.4	512.2	512.2
27.5°	491.2	494.7	500.0	503.4	505.2	506.9	508.7	510.4	510.4	510.4
30°	486.0	491.2	496.5	500.0	501.7	503.4	505.2	506.9	508.7	508.7
32.5°	479.0	484.2	489.5	494.7	496.5	498.2	501.7	503.4	503.4	503.4
35°	472.0	477.2	482.5	487.7	489.5	491.2	494.7	496.5	498.2	498.2
37.5°	461.5	466.7	472.0	477.2	479.0	482.5	486.0	487.7	487.7	487.7
40°	445.8	454.5	461.5	466.7	468.5	472.0	473.7	477.2	477.2	477.2
42.5°	431.8	438.8	444.0	451.0	452.8	458.0	461.5	463.2	465.0	465.0
45°	416.0	423.0	428.3	433.5	435.3	438.8	442.3	444.0	445.8	447.5
47.5°	400.3	405.6	410.8	416.0	417.8	421.3	424.8	426.5	428.3	428.3
50°	381.1	386.3	391.6	396.8	398.6	402.1	403.8	405.6	407.3	407.3
52.5°	360.1	365.3	370.6	375.8	377.6	379.3	382.8	384.6	386.3	386.3
55°	339.1	344.4	347.9	353.1	354.9	356.6	358.4	361.9	363.6	361.9
57.5°	314.7	319.9	323.4	328.6	330.4	332.1	333.9	335.6	337.4	337.4
60°	288.4	293.7	298.9	302.4	304.2	305.9	307.7	309.4	311.2	311.2
62.5°	262.2	267.5	271.0	276.2	277.9	277.9	279.7	281.4	283.2	283.2
65°	236.0	241.2	243.0	248.2	248.2	250.0	251.7	253.5	253.5	253.5
67.5°	208.0	213.3	215.0	218.5	218.5	220.3	222.0	223.8	223.8	223.8
70°	181.8	183.5	187.0	188.8	190.5	190.5	192.3	194.0	195.8	194.0
72.5°	153.8	155.6	159.1	160.8	160.8	162.6	162.6	164.3	166.1	166.1
75°	125.9	129.4	131.1	132.9	134.6	134.6	136.4	138.1	138.1	138.1
77.5°	99.6	103.1	104.9	106.6	108.4	108.4	110.1	110.1	111.9	110.1
80°	76.9	78.7	80.4	82.2	83.9	83.9	85.7	87.4	87.4	87.4
82.5°	55.9	57.7	61.2	62.9	62.9	62.9	66.4	66.4	68.2	66.4
85°	38.5	40.2	43.7	45.5	47.2	47.2	47.2	48.9	50.7	48.9
87.5°	24.5	28.0	29.7	31.5	31.5	31.5	33.2	35.0	35.0	35.0
90°	14.0	14.0	15.7	17.5	17.5	19.2	19.2	21.0	21.0	21.0
92.5°	14.0	15.7	15.7	15.7	17.5	17.5	17.5	19.2	19.2	19.2
95°	118.9	85.7	48.9	38.5	33.2	33.2	31.5	33.2	31.5	31.5
97.5°	360.1	389.8	403.8	423.0	433.5	431.8	424.8	431.8	426.5	431.8
100°	512.2	540.2	561.1	566.4	576.9	582.1	601.3	615.3	622.3	631.1
102.5°	636.3	669.5	694.0	708.0	718.5	725.5	748.2	769.2	779.6	786.6
105°	749.9	784.9	814.6	828.6	840.8	847.8	872.3	896.8	912.5	921.2
107.5°	840.8	881.0	912.5	933.5	945.7	957.9	987.7	1012.1	1031.4	1040.1
110°	923.0	963.2	996.4	1020.9	1034.9	1047.1	1080.3	1108.3	1129.3	1139.7



TEST NUMBER: P395480

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	991.2	1034.9	1068.1	1094.3	1108.3	1125.8	1157.2	1188.7	1209.7	1221.9
115°	1047.1	1092.5	1127.5	1155.5	1171.2	1186.9	1223.7	1255.1	1276.1	1284.8
117.5°	1094.3	1139.7	1176.5	1204.4	1221.9	1239.4	1276.1	1304.1	1326.8	1333.8
120°	1132.8	1178.2	1214.9	1246.4	1263.9	1279.6	1314.6	1344.3	1365.2	1370.5
122.5°	1159.0	1206.2	1244.6	1279.6	1295.3	1311.1	1344.3	1374.0	1393.2	1398.5
125°	1178.2	1227.2	1265.6	1302.3	1318.1	1333.8	1365.2	1395.0	1410.7	1417.7
127.5°	1190.4	1239.4	1281.3	1316.3	1333.8	1347.8	1379.2	1405.5	1421.2	1426.4
130°	1193.9	1244.6	1286.6	1323.3	1339.0	1353.0	1382.7	1409.0	1422.9	1426.4
132.5°	1193.9	1242.9	1286.6	1321.5	1337.3	1351.3	1379.2	1403.7	1417.7	1421.2
135°	1186.9	1234.1	1277.8	1312.8	1328.5	1342.5	1370.5	1391.5	1405.5	1407.2
137.5°	1174.7	1220.2	1262.1	1297.1	1312.8	1326.8	1351.3	1374.0	1386.2	1389.7
140°	1159.0	1200.9	1242.9	1276.1	1291.8	1304.1	1328.5	1347.8	1360.0	1363.5
142.5°	1138.0	1180.0	1218.4	1251.6	1263.9	1277.8	1298.8	1318.1	1328.5	1332.0
145°	1115.3	1155.5	1190.4	1220.2	1234.1	1246.4	1265.6	1283.1	1293.6	1297.1
147.5°	1085.6	1125.8	1159.0	1186.9	1199.2	1211.4	1228.9	1244.6	1255.1	1258.6
150°	1048.8	1085.6	1120.5	1146.7	1159.0	1171.2	1188.7	1202.7	1213.2	1214.9
152.5°	1012.1	1047.1	1076.8	1103.0	1115.3	1127.5	1143.2	1157.2	1169.5	1169.5
155°	977.2	1006.9	1034.9	1057.6	1068.1	1078.6	1094.3	1106.5	1117.0	1117.0
157.5°	940.5	968.4	991.2	1012.1	1020.9	1029.6	1043.6	1054.1	1062.8	1061.1
160°	905.5	926.5	947.5	964.9	973.7	980.7	991.2	999.9	1008.6	1006.9
162.5°	867.0	886.3	903.8	916.0	923.0	928.2	938.7	947.5	952.7	952.7
165°	823.3	840.8	856.6	868.8	875.8	879.3	888.0	893.3	898.5	898.5
167.5°	777.9	791.9	805.9	816.4	823.3	826.8	835.6	839.1	846.1	844.3
170°	732.4	742.9	753.4	762.2	765.7	769.2	776.1	779.6	783.1	783.1
172.5°	695.7	699.2	704.5	711.5	711.5	713.2	716.7	718.5	720.2	720.2
175°	674.8	676.5	676.5	676.5	676.5	676.5	678.3	676.5	678.3	676.5
177.5°	666.0	666.0	664.3	664.3	662.5	664.3	662.5	660.8	660.8	659.0
180°	662.5	662.5	662.5	662.5	662.5	662.5	662.5	662.5	662.5	662.5

(END OF REPORT)