

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: P395477

Luminaire Tested: **I3-CL-80L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395477
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 (2700K)
Description: CORELITE I3, CLEAR TOP COVER
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5767.8 lumens
Efficiency: N/A
Efficacy: 92.7 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

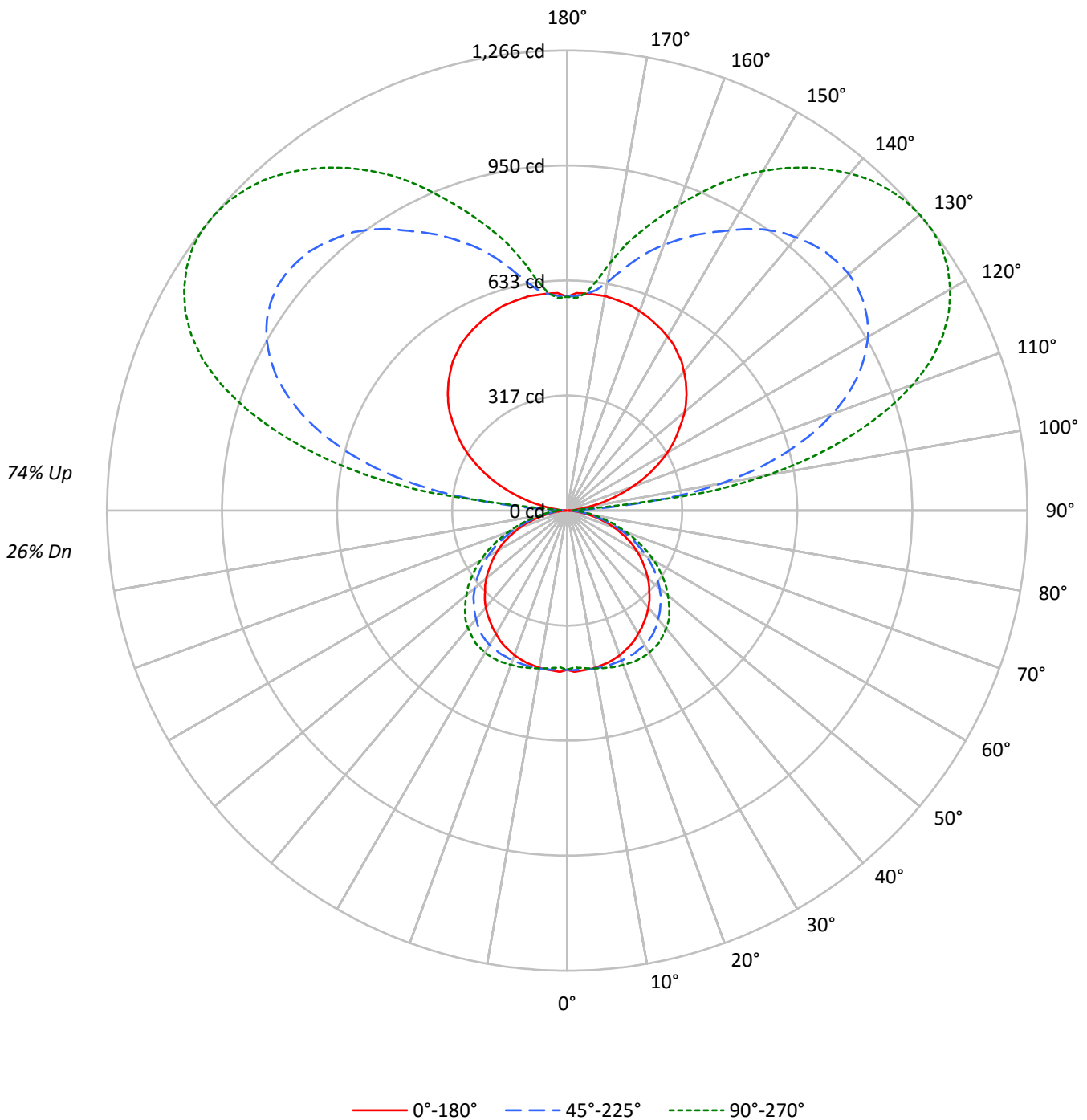
Input Watts (W): 62.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (2700K)

Luminous Intensity Polar Plot





TEST NUMBER: P395477

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (2700K)

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2406	2406	2406
5°	2431	2368	2330
10°	2433	2350	2324
15°	2436	2342	2335
20°	2441	2342	2356
25°	2437	2345	2387
30°	2423	2348	2404
35°	2417	2336	2406
40°	2409	2286	2376
45°	2384	2230	2316
50°	2362	2157	2213
55°	2314	2048	2086
60°	2257	1904	1926
65°	2164	1710	1707
70°	2010	1456	1445
75°	1736	1158	1160
80°	1346	823	850
85°	789	509	570



TEST NUMBER: P395477

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (2700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.9	0.7
10°-20°	124.4	2.2
20°-30°	199.5	3.5
30°-40°	255.1	4.4
40°-50°	278.2	4.8
50°-60°	260.6	4.5
60°-70°	202.2	3.5
70°-80°	115.9	2.0
80°-90°	37.1	0.6
90°-100°	148.8	2.6
100°-110°	578.3	10.0
110°-120°	787.3	13.6
120°-130°	817.2	14.2
130°-140°	724.9	12.6
140°-150°	562.5	9.8
150°-160°	375.4	6.5
160°-170°	200.1	3.5
170°-180°	58.5	1.0
0°-30°	365.8	6.3
0°-40°	620.9	10.8
0°-60°	1159.7	20.1
0°-90°	1514.9	26.3
90°-120°	1514.3	26.3
90°-150°	3618.9	62.7
90°-180°	4253.0	73.7
0°-180°	5767.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	438	438	438	438	438	
5°	442	438	439	438	435	42
15°	433	432	441	447	447	122
25°	410	413	435	450	455	189
35°	371	379	413	435	442	232
45°	320	334	363	386	397	247
55°	256	270	295	315	321	229
65°	182	189	206	220	225	179
75°	95	99	109	120	123	101
85°	19	22	33	42	44	22
90°	2	5	11	16	19	2
95°	19	106	144	30	28	24
105°	123	371	629	747	818	131
115°	256	573	885	1040	1141	252
125°	371	675	996	1170	1259	332
135°	464	711	1006	1180	1249	358
145°	529	711	944	1096	1152	332
155°	570	672	837	948	992	263
165°	593	618	711	778	798	168
175°	599	596	598	601	601	57
180°	588	588	588	588	588	



TEST NUMBER: P395477

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	437.7	437.7	437.7	437.7	437.7	437.7	437.7	437.7	437.7	437.7	437.7
2.5°	443.9	442.3	442.3	439.2	439.2	437.7	437.7	437.7	437.7	437.7	439.2
5°	442.3	442.3	440.8	439.2	439.2	437.7	437.7	437.7	437.7	437.7	439.2
7.5°	440.8	440.8	439.2	437.7	437.7	437.7	437.7	437.7	437.7	437.7	440.8
10°	439.2	439.2	437.7	436.1	436.1	436.1	436.1	437.7	437.7	437.7	440.8
12.5°	436.1	434.6	434.6	433.0	433.0	433.0	434.6	434.6	436.1	437.7	440.8
15°	433.0	433.0	431.5	429.9	431.5	431.5	431.5	433.0	434.6	436.1	440.8
17.5°	428.4	428.4	426.8	426.8	426.8	428.4	428.4	429.9	433.0	436.1	439.2
20°	423.7	422.2	422.2	422.2	423.7	423.7	425.3	428.4	429.9	434.6	439.2
22.5°	416.0	417.5	416.0	416.0	417.5	419.1	420.6	423.7	426.8	431.5	436.1
25°	409.8	409.8	409.8	409.8	412.9	412.9	416.0	419.1	423.7	428.4	434.6
27.5°	402.0	402.0	402.0	403.5	405.1	406.6	408.2	412.9	417.5	423.7	429.9
30°	391.1	391.1	391.1	391.1	395.8	397.3	400.4	406.6	411.3	419.1	426.8
32.5°	381.8	381.8	381.8	383.4	386.5	388.0	391.1	398.9	405.1	412.9	420.6
35°	370.9	370.9	372.5	372.5	377.2	378.7	381.8	388.0	394.2	403.5	412.9
37.5°	360.1	360.1	361.6	363.2	366.3	369.4	372.5	378.7	384.9	392.7	402.0
40°	347.7	347.7	349.2	350.8	355.4	358.5	361.6	367.8	374.1	381.8	389.6
42.5°	335.3	335.3	336.8	338.4	343.0	346.1	349.2	357.0	363.2	370.9	377.2
45°	319.7	321.3	322.8	325.9	330.6	333.7	336.8	343.0	350.8	357.0	363.2
47.5°	305.8	307.3	308.9	312.0	316.6	319.7	322.8	329.0	335.3	341.5	349.2
50°	290.2	291.8	293.3	296.4	301.1	304.2	307.3	313.5	319.7	324.4	332.1
52.5°	273.2	274.7	276.3	279.4	285.6	287.1	290.2	296.4	301.1	307.3	313.5
55°	256.1	257.6	259.2	262.3	267.0	270.1	271.6	277.8	282.5	288.7	294.9
57.5°	239.0	240.6	242.1	245.2	248.3	251.4	253.0	257.6	263.9	268.5	274.7
60°	220.4	221.9	223.5	225.1	229.7	231.3	232.8	237.5	242.1	248.3	253.0
62.5°	201.8	201.8	203.3	204.9	209.5	211.1	212.6	215.7	221.9	225.1	229.7
65°	181.6	181.6	183.1	184.7	187.8	189.4	190.9	194.0	198.7	201.8	206.4
67.5°	159.9	159.9	161.4	163.0	166.1	167.6	167.6	172.3	175.4	178.5	181.6
70°	139.7	139.7	141.2	141.2	142.8	144.3	145.9	149.0	150.6	155.2	156.8
72.5°	118.0	118.0	118.0	118.0	121.1	121.1	122.6	125.7	127.3	130.4	133.5
75°	94.7	94.7	96.2	96.2	97.8	99.3	100.9	102.4	105.5	107.1	108.6
77.5°	74.5	72.9	74.5	76.1	77.6	77.6	79.2	80.7	82.3	85.4	86.9
80°	52.8	52.8	52.8	54.3	55.9	55.9	57.4	59.0	60.5	63.6	65.2
82.5°	34.1	34.1	35.7	35.7	37.3	38.8	38.8	40.4	41.9	45.0	46.6
85°	18.6	18.6	18.6	20.2	21.7	21.7	23.3	24.8	27.9	29.5	32.6
87.5°	6.2	6.2	7.8	9.3	10.9	10.9	12.4	14.0	15.5	18.6	20.2
90°	1.6	1.6	1.6	3.1	3.1	4.7	4.7	6.2	7.8	9.3	10.9
92.5°	6.2	10.9	17.1	24.8	23.3	24.8	17.1	10.9	10.9	10.9	12.4
95°	18.6	27.9	45.0	71.4	93.1	105.5	116.4	127.3	149.0	150.6	144.3
97.5°	37.3	51.2	82.3	116.4	155.2	175.4	190.9	223.5	257.6	279.4	305.8
100°	62.1	82.3	122.6	169.2	214.2	240.6	265.4	312.0	353.9	391.1	431.5
102.5°	91.6	114.9	164.5	221.9	277.8	307.3	333.7	388.0	445.4	495.1	538.6
105°	122.6	149.0	208.0	273.2	336.8	370.9	403.5	462.5	523.1	577.4	628.6
107.5°	156.8	184.7	248.3	321.3	392.7	431.5	467.2	530.8	594.4	653.4	707.8
110°	189.4	220.4	287.1	366.3	447.0	485.8	521.5	591.3	658.1	720.2	777.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	223.5	256.1	322.8	409.8	492.0	532.4	569.6	644.1	714.0	777.6	835.0
115°	256.1	287.1	357.0	447.0	530.8	572.7	613.1	689.1	762.1	825.7	884.7
117.5°	287.1	316.6	388.0	478.0	565.0	606.9	647.2	726.4	799.3	866.1	923.5
120°	318.2	344.6	422.2	504.4	592.9	634.8	676.7	755.9	830.4	897.1	956.1
122.5°	346.1	370.9	447.0	527.7	614.6	658.1	698.4	779.1	855.2	921.9	979.4
125°	370.9	394.2	470.3	546.3	633.3	675.2	717.1	796.2	872.3	937.5	996.4
127.5°	395.8	419.1	487.4	565.0	645.7	689.1	729.5	808.6	883.1	949.9	1007.3
130°	422.2	439.2	504.4	582.0	658.1	698.4	740.3	816.4	889.3	954.5	1012.0
132.5°	443.9	459.4	521.5	596.0	667.4	706.2	743.4	819.5	892.5	954.5	1010.4
135°	464.1	476.5	533.9	608.4	675.2	710.9	746.6	817.9	889.3	951.4	1005.8
137.5°	482.7	495.1	544.8	617.7	681.4	712.4	746.6	813.3	881.6	943.7	994.9
140°	499.8	509.1	554.1	622.4	684.5	714.0	743.4	805.5	869.2	929.7	980.9
142.5°	516.8	524.6	561.9	625.5	686.0	714.0	741.9	796.2	855.2	914.2	965.4
145°	529.3	537.0	568.1	627.0	684.5	710.9	735.7	786.9	839.7	894.0	943.7
147.5°	543.2	549.4	574.3	623.9	679.8	704.6	727.9	774.5	822.6	872.3	918.8
150°	552.5	558.8	577.4	620.8	672.1	695.3	718.6	762.1	805.5	849.0	889.3
152.5°	561.9	566.5	582.0	616.2	662.7	684.5	706.2	748.1	788.5	827.3	863.0
155°	569.6	574.3	585.1	613.1	651.9	672.1	692.2	732.6	769.8	804.0	836.6
157.5°	577.4	580.5	588.2	608.4	639.5	658.1	676.7	712.4	746.6	780.7	807.1
160°	583.6	585.1	591.3	606.9	628.6	642.6	659.6	692.2	723.3	752.8	777.6
162.5°	589.8	589.8	594.4	603.8	619.3	628.6	641.0	668.9	696.9	723.3	746.6
165°	592.9	592.9	596.0	602.2	611.5	617.7	625.5	644.1	665.8	689.1	710.9
167.5°	596.0	596.0	597.6	600.7	606.9	610.0	613.1	625.5	639.5	656.5	673.6
170°	599.1	597.6	597.6	600.7	602.2	603.8	605.3	611.5	617.7	628.6	637.9
172.5°	599.1	597.6	597.6	599.1	599.1	599.1	599.1	600.7	602.2	608.4	611.5
175°	599.1	597.6	597.6	597.6	597.6	596.0	596.0	596.0	596.0	596.0	597.6
177.5°	599.1	597.6	596.0	596.0	594.4	594.4	592.9	592.9	591.3	591.3	591.3
180°	588.2	588.2	588.2	588.2	588.2	588.2	588.2	588.2	588.2	588.2	588.2



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CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	437.7	437.7	437.7	437.7	437.7	437.7	437.7	437.7	437.7	437.7
2.5°	439.2	439.2	437.7	437.7	436.1	436.1	434.6	433.0	431.5	431.5
5°	440.8	439.2	437.7	437.7	437.7	436.1	436.1	436.1	434.6	434.6
7.5°	440.8	440.8	440.8	439.2	439.2	439.2	439.2	439.2	437.7	437.7
10°	442.3	442.3	442.3	442.3	442.3	442.3	442.3	440.8	440.8	440.8
12.5°	442.3	442.3	442.3	443.9	443.9	443.9	443.9	443.9	443.9	443.9
15°	443.9	443.9	445.4	445.4	447.0	447.0	448.6	448.6	448.6	447.0
17.5°	442.3	443.9	445.4	447.0	448.6	448.6	450.1	450.1	450.1	450.1
20°	442.3	445.4	447.0	448.6	450.1	450.1	451.7	453.2	453.2	451.7
22.5°	440.8	443.9	445.4	448.6	450.1	450.1	453.2	453.2	453.2	453.2
25°	439.2	442.3	445.4	448.6	450.1	450.1	453.2	453.2	454.8	454.8
27.5°	436.1	439.2	443.9	447.0	448.6	450.1	451.7	453.2	453.2	453.2
30°	431.5	436.1	440.8	443.9	445.4	447.0	448.6	450.1	451.7	451.7
32.5°	425.3	429.9	434.6	439.2	440.8	442.3	445.4	447.0	447.0	447.0
35°	419.1	423.7	428.4	433.0	434.6	436.1	439.2	440.8	442.3	442.3
37.5°	409.8	414.4	419.1	423.7	425.3	428.4	431.5	433.0	433.0	433.0
40°	395.8	403.5	409.8	414.4	416.0	419.1	420.6	423.7	423.7	423.7
42.5°	383.4	389.6	394.2	400.4	402.0	406.6	409.8	411.3	412.9	412.9
45°	369.4	375.6	380.3	384.9	386.5	389.6	392.7	394.2	395.8	397.3
47.5°	355.4	360.1	364.7	369.4	370.9	374.1	377.2	378.7	380.3	380.3
50°	338.4	343.0	347.7	352.3	353.9	357.0	358.5	360.1	361.6	361.6
52.5°	319.7	324.4	329.0	333.7	335.3	336.8	339.9	341.5	343.0	343.0
55°	301.1	305.8	308.9	313.5	315.1	316.6	318.2	321.3	322.8	321.3
57.5°	279.4	284.0	287.1	291.8	293.3	294.9	296.4	298.0	299.6	299.6
60°	256.1	260.8	265.4	268.5	270.1	271.6	273.2	274.7	276.3	276.3
62.5°	232.8	237.5	240.6	245.2	246.8	246.8	248.3	249.9	251.4	251.4
65°	209.5	214.2	215.7	220.4	220.4	221.9	223.5	225.1	225.1	225.1
67.5°	184.7	189.4	190.9	194.0	194.0	195.6	197.1	198.7	198.7	198.7
70°	161.4	163.0	166.1	167.6	169.2	169.2	170.7	172.3	173.8	172.3
72.5°	136.6	138.1	141.2	142.8	142.8	144.3	144.3	145.9	147.4	147.4
75°	111.8	114.9	116.4	118.0	119.5	119.5	121.1	122.6	122.6	122.6
77.5°	88.5	91.6	93.1	94.7	96.2	96.2	97.8	97.8	99.3	97.8
80°	68.3	69.8	71.4	72.9	74.5	74.5	76.1	77.6	77.6	77.6
82.5°	49.7	51.2	54.3	55.9	55.9	55.9	59.0	59.0	60.5	59.0
85°	34.1	35.7	38.8	40.4	41.9	41.9	41.9	43.5	45.0	43.5
87.5°	21.7	24.8	26.4	27.9	27.9	27.9	29.5	31.0	31.0	31.0
90°	12.4	12.4	14.0	15.5	15.5	17.1	17.1	18.6	18.6	18.6
92.5°	12.4	14.0	14.0	14.0	15.5	15.5	15.5	17.1	17.1	17.1
95°	105.5	76.1	43.5	34.1	29.5	29.5	27.9	29.5	27.9	27.9
97.5°	319.7	346.1	358.5	375.6	384.9	383.4	377.2	383.4	378.7	383.4
100°	454.8	479.6	498.2	502.9	512.2	516.8	533.9	546.3	552.5	560.3
102.5°	565.0	594.4	616.2	628.6	637.9	644.1	664.3	682.9	692.2	698.4
105°	665.8	696.9	723.3	735.7	746.6	752.8	774.5	796.2	810.2	817.9
107.5°	746.6	782.3	810.2	828.8	839.7	850.5	876.9	898.7	915.7	923.5
110°	819.5	855.2	884.7	906.4	918.8	929.7	959.2	984.0	1002.6	1012.0



TEST NUMBER: P395477

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	880.0	918.8	948.3	971.6	984.0	999.5	1027.5	1055.4	1074.0	1084.9
115°	929.7	970.1	1001.1	1025.9	1039.9	1053.9	1086.5	1114.4	1133.0	1140.8
117.5°	971.6	1012.0	1044.6	1069.4	1084.9	1100.4	1133.0	1157.9	1178.0	1184.2
120°	1005.8	1046.1	1078.7	1106.6	1122.2	1136.1	1167.2	1193.6	1212.2	1216.8
122.5°	1029.0	1070.9	1105.1	1136.1	1150.1	1164.1	1193.6	1219.9	1237.0	1241.7
125°	1046.1	1089.6	1123.7	1156.3	1170.3	1184.2	1212.2	1238.6	1252.5	1258.7
127.5°	1057.0	1100.4	1137.7	1168.7	1184.2	1196.7	1224.6	1247.9	1261.8	1266.5
130°	1060.1	1105.1	1142.3	1174.9	1188.9	1201.3	1227.7	1251.0	1263.4	1266.5
132.5°	1060.1	1103.5	1142.3	1173.4	1187.3	1199.8	1224.6	1246.3	1258.7	1261.8
135°	1053.9	1095.8	1134.6	1165.6	1179.6	1192.0	1216.8	1235.5	1247.9	1249.4
137.5°	1043.0	1083.4	1120.6	1151.6	1165.6	1178.0	1199.8	1219.9	1230.8	1233.9
140°	1029.0	1066.3	1103.5	1133.0	1147.0	1157.9	1179.6	1196.7	1207.5	1210.6
142.5°	1010.4	1047.7	1081.8	1111.3	1122.2	1134.6	1153.2	1170.3	1179.6	1182.7
145°	990.2	1025.9	1057.0	1083.4	1095.8	1106.6	1123.7	1139.2	1148.5	1151.6
147.5°	963.8	999.5	1029.0	1053.9	1064.7	1075.6	1091.1	1105.1	1114.4	1117.5
150°	931.3	963.8	994.9	1018.2	1029.0	1039.9	1055.4	1067.8	1077.1	1078.7
152.5°	898.7	929.7	956.1	979.4	990.2	1001.1	1015.1	1027.5	1038.3	1038.3
155°	867.6	894.0	918.8	939.0	948.3	957.6	971.6	982.5	991.8	991.8
157.5°	835.0	859.9	880.0	898.7	906.4	914.2	926.6	935.9	943.7	942.1
160°	804.0	822.6	841.2	856.8	864.5	870.7	880.0	887.8	895.6	894.0
162.5°	769.8	786.9	802.4	813.3	819.5	824.2	833.5	841.2	845.9	845.9
165°	731.0	746.6	760.5	771.4	777.6	780.7	788.5	793.1	797.8	797.8
167.5°	690.7	703.1	715.5	724.8	731.0	734.1	741.9	745.0	751.2	749.7
170°	650.3	659.6	668.9	676.7	679.8	682.9	689.1	692.2	695.3	695.3
172.5°	617.7	620.8	625.5	631.7	631.7	633.3	636.4	637.9	639.5	639.5
175°	599.1	600.7	600.7	600.7	600.7	600.7	602.2	600.7	602.2	600.7
177.5°	591.3	591.3	589.8	589.8	588.2	589.8	588.2	586.7	586.7	585.1
180°	588.2	588.2	588.2	588.2	588.2	588.2	588.2	588.2	588.2	588.2

(END OF REPORT)