

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: P395481

Luminaire Tested: **I3-CL-80L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395481
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 (4500K)
Description: CORELITE I3, CLEAR TOP COVER
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6665.4 lumens
Efficiency: N/A
Efficacy: 105.0 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

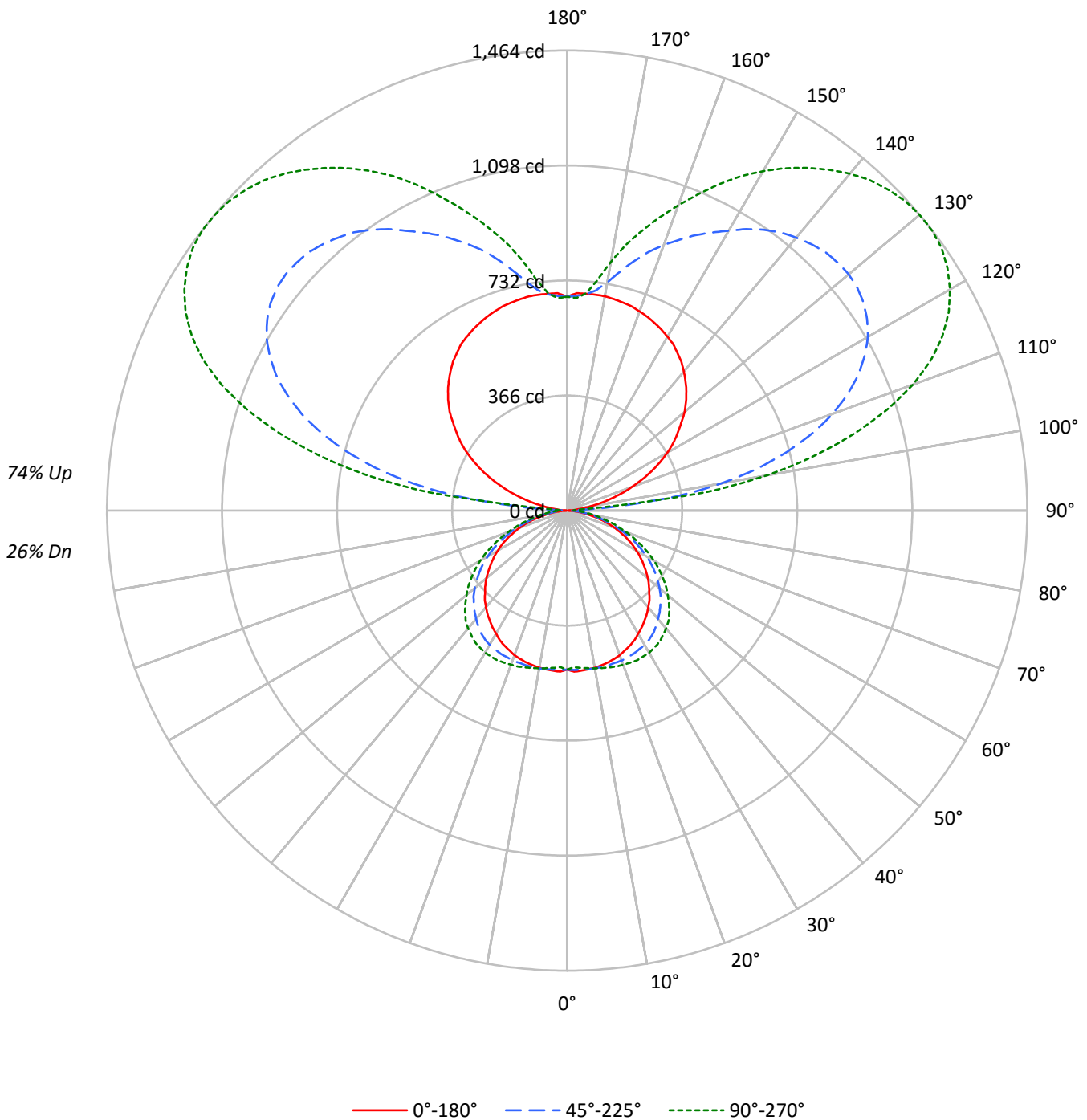
Input Watts (W): 63.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2780	2780	2780
5°	2810	2737	2692
10°	2812	2716	2685
15°	2815	2706	2699
20°	2821	2707	2722
25°	2816	2710	2758
30°	2800	2714	2778
35°	2793	2699	2781
40°	2784	2641	2746
45°	2755	2577	2677
50°	2730	2492	2557
55°	2673	2367	2411
60°	2608	2201	2225
65°	2502	1977	1973
70°	2322	1683	1670
75°	2005	1339	1341
80°	1555	951	982
85°	912	589	658



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CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.4	0.7
10°-20°	143.8	2.2
20°-30°	230.5	3.5
30°-40°	294.8	4.4
40°-50°	321.5	4.8
50°-60°	301.2	4.5
60°-70°	233.7	3.5
70°-80°	133.9	2.0
80°-90°	42.8	0.6
90°-100°	171.9	2.6
100°-110°	668.3	10.0
110°-120°	909.8	13.6
120°-130°	944.4	14.2
130°-140°	837.7	12.6
140°-150°	650.0	9.8
150°-160°	433.8	6.5
160°-170°	231.2	3.5
170°-180°	67.7	1.0
0°-30°	422.7	6.3
0°-40°	717.5	10.8
0°-60°	1340.2	20.1
0°-90°	1750.6	26.3
90°-120°	1750.0	26.3
90°-150°	4182.1	62.7
90°-180°	4915.0	73.7
0°-180°	6665.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	506	506	506	506	506	
5°	511	506	508	506	502	49
15°	500	499	509	517	517	141
25°	474	477	502	520	526	218
35°	429	438	477	502	511	268
45°	370	386	420	447	459	286
55°	296	312	341	364	371	265
65°	210	219	239	255	260	207
75°	109	115	126	138	142	117
85°	22	25	38	48	50	26
90°	2	5	13	18	22	2
95°	22	122	167	34	32	28
105°	142	429	726	863	945	151
115°	296	662	1022	1202	1318	292
125°	429	780	1152	1352	1455	383
135°	536	822	1162	1363	1444	413
145°	612	822	1090	1266	1331	383
155°	658	777	967	1096	1146	304
165°	685	714	822	899	922	194
175°	692	689	690	694	694	66
180°	680	680	680	680	680	



TEST NUMBER: P395481

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	505.8	505.8	505.8	505.8	505.8	505.8	505.8	505.8	505.8	505.8	505.8
2.5°	513.0	511.2	511.2	507.6	507.6	505.8	505.8	505.8	505.8	505.8	507.6
5°	511.2	511.2	509.4	507.6	507.6	505.8	505.8	505.8	505.8	505.8	507.6
7.5°	509.4	509.4	507.6	505.8	505.8	505.8	505.8	505.8	505.8	505.8	509.4
10°	507.6	507.6	505.8	504.0	504.0	504.0	504.0	505.8	505.8	505.8	509.4
12.5°	504.0	502.2	502.2	500.4	500.4	500.4	502.2	502.2	504.0	505.8	509.4
15°	500.4	500.4	498.6	496.8	498.6	498.6	498.6	500.4	502.2	504.0	509.4
17.5°	495.0	495.0	493.2	493.2	493.2	495.0	495.0	496.8	500.4	504.0	507.6
20°	489.7	487.9	487.9	487.9	489.7	489.7	491.4	495.0	496.8	502.2	507.6
22.5°	480.7	482.5	480.7	480.7	482.5	484.3	486.1	489.7	493.2	498.6	504.0
25°	473.5	473.5	473.5	473.5	477.1	477.1	480.7	484.3	489.7	495.0	502.2
27.5°	464.5	464.5	464.5	466.3	468.1	469.9	471.7	477.1	482.5	489.7	496.8
30°	452.0	452.0	452.0	452.0	457.4	459.2	462.8	469.9	475.3	484.3	493.2
32.5°	441.2	441.2	441.2	443.0	446.6	448.4	452.0	461.0	468.1	477.1	486.1
35°	428.7	428.7	430.5	430.5	435.8	437.6	441.2	448.4	455.6	466.3	477.1
37.5°	416.1	416.1	417.9	419.7	423.3	426.9	430.5	437.6	444.8	453.8	464.5
40°	401.8	401.8	403.6	405.4	410.7	414.3	417.9	425.1	432.3	441.2	450.2
42.5°	387.4	387.4	389.2	391.0	396.4	400.0	403.6	412.5	419.7	428.7	435.8
45°	369.5	371.3	373.1	376.7	382.0	385.6	389.2	396.4	405.4	412.5	419.7
47.5°	353.3	355.1	356.9	360.5	365.9	369.5	373.1	380.2	387.4	394.6	403.6
50°	335.4	337.2	339.0	342.6	348.0	351.5	355.1	362.3	369.5	374.9	383.8
52.5°	315.7	317.5	319.3	322.8	330.0	331.8	335.4	342.6	348.0	355.1	362.3
55°	295.9	297.7	299.5	303.1	308.5	312.1	313.9	321.1	326.4	333.6	340.8
57.5°	276.2	278.0	279.8	283.4	287.0	290.6	292.4	297.7	304.9	310.3	317.5
60°	254.7	256.5	258.3	260.1	265.5	267.2	269.0	274.4	279.8	287.0	292.4
62.5°	233.2	233.2	235.0	236.8	242.1	243.9	245.7	249.3	256.5	260.1	265.5
65°	209.9	209.9	211.6	213.4	217.0	218.8	220.6	224.2	229.6	233.2	238.6
67.5°	184.7	184.7	186.5	188.3	191.9	193.7	193.7	199.1	202.7	206.3	209.9
70°	161.4	161.4	163.2	163.2	165.0	166.8	168.6	172.2	174.0	179.4	181.2
72.5°	136.3	136.3	136.3	136.3	139.9	139.9	141.7	145.3	147.1	150.7	154.3
75°	109.4	109.4	111.2	111.2	113.0	114.8	116.6	118.4	122.0	123.8	125.6
77.5°	86.1	84.3	86.1	87.9	89.7	89.7	91.5	93.3	95.1	98.6	100.4
80°	61.0	61.0	61.0	62.8	64.6	64.6	66.4	68.2	70.0	73.5	75.3
82.5°	39.5	39.5	41.3	41.3	43.0	44.8	44.8	46.6	48.4	52.0	53.8
85°	21.5	21.5	21.5	23.3	25.1	25.1	26.9	28.7	32.3	34.1	37.7
87.5°	7.2	7.2	9.0	10.8	12.6	12.6	14.3	16.1	17.9	21.5	23.3
90°	1.8	1.8	1.8	3.6	3.6	5.4	5.4	7.2	9.0	10.8	12.6
92.5°	7.2	12.6	19.7	28.7	26.9	28.7	19.7	12.6	12.6	12.6	14.3
95°	21.5	32.3	52.0	82.5	107.6	122.0	134.5	147.1	172.2	174.0	166.8
97.5°	43.0	59.2	95.1	134.5	179.4	202.7	220.6	258.3	297.7	322.8	353.3
100°	71.7	95.1	141.7	195.5	247.5	278.0	306.7	360.5	408.9	452.0	498.6
102.5°	105.8	132.7	190.1	256.5	321.1	355.1	385.6	448.4	514.8	572.2	622.4
105°	141.7	172.2	240.3	315.7	389.2	428.7	466.3	534.5	604.4	667.2	726.4
107.5°	181.2	213.4	287.0	371.3	453.8	498.6	539.9	613.4	687.0	755.1	817.9
110°	218.8	254.7	331.8	423.3	516.6	561.4	602.7	683.4	760.5	832.2	898.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	258.3	295.9	373.1	473.5	568.6	615.2	658.3	744.3	825.1	898.6	965.0
115°	295.9	331.8	412.5	516.6	613.4	661.8	708.5	796.4	880.7	954.2	1022.4
117.5°	331.8	365.9	448.4	552.4	652.9	701.3	747.9	839.4	923.7	1000.8	1067.2
120°	367.7	398.2	487.9	582.9	685.2	733.6	782.0	873.5	959.6	1036.7	1104.9
122.5°	400.0	428.7	516.6	609.8	710.3	760.5	807.1	900.4	988.3	1065.4	1131.8
125°	428.7	455.6	543.5	631.4	731.8	780.2	828.6	920.1	1008.0	1083.3	1151.5
127.5°	457.4	484.3	563.2	652.9	746.1	796.4	843.0	934.5	1020.6	1097.7	1164.1
130°	487.9	507.6	582.9	672.6	760.5	807.1	855.6	943.4	1027.7	1103.1	1169.4
132.5°	513.0	530.9	602.7	688.7	771.3	816.1	859.1	947.0	1031.3	1103.1	1167.6
135°	536.3	550.6	617.0	703.1	780.2	821.5	862.7	945.2	1027.7	1099.5	1162.3
137.5°	557.8	572.2	629.6	713.9	787.4	823.3	862.7	939.9	1018.8	1090.5	1149.7
140°	577.5	588.3	640.3	719.2	791.0	825.1	859.1	930.9	1004.4	1074.4	1133.6
142.5°	597.3	606.2	649.3	722.8	792.8	825.1	857.3	920.1	988.3	1056.4	1115.6
145°	611.6	620.6	656.5	724.6	791.0	821.5	850.2	909.4	970.3	1033.1	1090.5
147.5°	627.8	634.9	663.6	721.0	785.6	814.3	841.2	895.0	950.6	1008.0	1061.8
150°	638.5	645.7	667.2	717.4	776.6	803.5	830.4	880.7	930.9	981.1	1027.7
152.5°	649.3	654.7	672.6	712.1	765.9	791.0	816.1	864.5	911.2	956.0	997.2
155°	658.3	663.6	676.2	708.5	753.3	776.6	800.0	846.6	889.6	929.1	966.8
157.5°	667.2	670.8	679.8	703.1	739.0	760.5	782.0	823.3	862.7	902.2	932.7
160°	674.4	676.2	683.4	701.3	726.4	742.6	762.3	800.0	835.8	869.9	898.6
162.5°	681.6	681.6	687.0	697.7	715.7	726.4	740.8	773.0	805.3	835.8	862.7
165°	685.2	685.2	688.7	695.9	706.7	713.9	722.8	744.3	769.5	796.4	821.5
167.5°	688.7	688.7	690.5	694.1	701.3	704.9	708.5	722.8	739.0	758.7	778.4
170°	692.3	690.5	690.5	694.1	695.9	697.7	699.5	706.7	713.9	726.4	737.2
172.5°	692.3	690.5	690.5	692.3	692.3	692.3	692.3	694.1	695.9	703.1	706.7
175°	692.3	690.5	690.5	690.5	690.5	688.7	688.7	688.7	688.7	688.7	690.5
177.5°	692.3	690.5	688.7	688.7	687.0	687.0	685.2	685.2	683.4	683.4	683.4
180°	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	505.8	505.8	505.8	505.8	505.8	505.8	505.8	505.8	505.8	505.8
2.5°	507.6	507.6	505.8	505.8	504.0	504.0	502.2	500.4	498.6	498.6
5°	509.4	507.6	505.8	505.8	505.8	504.0	504.0	504.0	502.2	502.2
7.5°	509.4	509.4	509.4	507.6	507.6	507.6	507.6	507.6	505.8	505.8
10°	511.2	511.2	511.2	511.2	511.2	511.2	511.2	509.4	509.4	509.4
12.5°	511.2	511.2	511.2	513.0	513.0	513.0	513.0	513.0	513.0	513.0
15°	513.0	513.0	514.8	514.8	516.6	516.6	518.4	518.4	518.4	516.6
17.5°	511.2	513.0	514.8	516.6	518.4	518.4	520.1	520.1	520.1	520.1
20°	511.2	514.8	516.6	518.4	520.1	520.1	521.9	523.7	523.7	521.9
22.5°	509.4	513.0	514.8	518.4	520.1	520.1	523.7	523.7	523.7	523.7
25°	507.6	511.2	514.8	518.4	520.1	520.1	523.7	523.7	525.5	525.5
27.5°	504.0	507.6	513.0	516.6	518.4	520.1	521.9	523.7	523.7	523.7
30°	498.6	504.0	509.4	513.0	514.8	516.6	518.4	520.1	521.9	521.9
32.5°	491.4	496.8	502.2	507.6	509.4	511.2	514.8	516.6	516.6	516.6
35°	484.3	489.7	495.0	500.4	502.2	504.0	507.6	509.4	511.2	511.2
37.5°	473.5	478.9	484.3	489.7	491.4	495.0	498.6	500.4	500.4	500.4
40°	457.4	466.3	473.5	478.9	480.7	484.3	486.1	489.7	489.7	489.7
42.5°	443.0	450.2	455.6	462.8	464.5	469.9	473.5	475.3	477.1	477.1
45°	426.9	434.1	439.4	444.8	446.6	450.2	453.8	455.6	457.4	459.2
47.5°	410.7	416.1	421.5	426.9	428.7	432.3	435.8	437.6	439.4	439.4
50°	391.0	396.4	401.8	407.1	408.9	412.5	414.3	416.1	417.9	417.9
52.5°	369.5	374.9	380.2	385.6	387.4	389.2	392.8	394.6	396.4	396.4
55°	348.0	353.3	356.9	362.3	364.1	365.9	367.7	371.3	373.1	371.3
57.5°	322.8	328.2	331.8	337.2	339.0	340.8	342.6	344.4	346.2	346.2
60°	295.9	301.3	306.7	310.3	312.1	313.9	315.7	317.5	319.3	319.3
62.5°	269.0	274.4	278.0	283.4	285.2	285.2	287.0	288.8	290.6	290.6
65°	242.1	247.5	249.3	254.7	254.7	256.5	258.3	260.1	260.1	260.1
67.5°	213.4	218.8	220.6	224.2	224.2	226.0	227.8	229.6	229.6	229.6
70°	186.5	188.3	191.9	193.7	195.5	195.5	197.3	199.1	200.9	199.1
72.5°	157.8	159.6	163.2	165.0	165.0	166.8	166.8	168.6	170.4	170.4
75°	129.1	132.7	134.5	136.3	138.1	138.1	139.9	141.7	141.7	141.7
77.5°	102.2	105.8	107.6	109.4	111.2	111.2	113.0	113.0	114.8	113.0
80°	78.9	80.7	82.5	84.3	86.1	86.1	87.9	89.7	89.7	89.7
82.5°	57.4	59.2	62.8	64.6	64.6	64.6	68.2	68.2	70.0	68.2
85°	39.5	41.3	44.8	46.6	48.4	48.4	48.4	50.2	52.0	50.2
87.5°	25.1	28.7	30.5	32.3	32.3	32.3	34.1	35.9	35.9	35.9
90°	14.3	14.3	16.1	17.9	17.9	19.7	19.7	21.5	21.5	21.5
92.5°	14.3	16.1	16.1	16.1	17.9	17.9	17.9	19.7	19.7	19.7
95°	122.0	87.9	50.2	39.5	34.1	34.1	32.3	34.1	32.3	32.3
97.5°	369.5	400.0	414.3	434.1	444.8	443.0	435.8	443.0	437.6	443.0
100°	525.5	554.2	575.7	581.1	591.9	597.3	617.0	631.4	638.5	647.5
102.5°	652.9	687.0	712.1	726.4	737.2	744.3	767.7	789.2	800.0	807.1
105°	769.5	805.3	835.8	850.2	862.7	869.9	895.0	920.1	936.3	945.2
107.5°	862.7	904.0	936.3	957.8	970.3	982.9	1013.4	1038.5	1058.2	1067.2
110°	947.0	988.3	1022.4	1047.5	1061.8	1074.4	1108.5	1137.1	1158.7	1169.4



TEST NUMBER: P395481

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1017.0	1061.8	1095.9	1122.8	1137.1	1155.1	1187.4	1219.7	1241.2	1253.7
115°	1074.4	1121.0	1156.9	1185.6	1201.7	1217.9	1255.5	1287.8	1309.3	1318.3
117.5°	1122.8	1169.4	1207.1	1235.8	1253.7	1271.7	1309.3	1338.0	1361.4	1368.5
120°	1162.3	1208.9	1246.6	1278.8	1296.8	1312.9	1348.8	1379.3	1400.8	1406.2
122.5°	1189.2	1237.6	1277.1	1312.9	1329.1	1345.2	1379.3	1409.8	1429.5	1434.9
125°	1208.9	1259.1	1298.6	1336.2	1352.4	1368.5	1400.8	1431.3	1447.4	1454.6
127.5°	1221.4	1271.7	1314.7	1350.6	1368.5	1382.9	1415.2	1442.1	1458.2	1463.6
130°	1225.0	1277.1	1320.1	1357.8	1373.9	1388.3	1418.7	1445.7	1460.0	1463.6
132.5°	1225.0	1275.3	1320.1	1356.0	1372.1	1386.5	1415.2	1440.3	1454.6	1458.2
135°	1217.9	1266.3	1311.1	1347.0	1363.1	1377.5	1406.2	1427.7	1442.1	1443.9
137.5°	1205.3	1251.9	1295.0	1330.9	1347.0	1361.4	1386.5	1409.8	1422.3	1425.9
140°	1189.2	1232.2	1275.3	1309.3	1325.5	1338.0	1363.1	1382.9	1395.4	1399.0
142.5°	1167.6	1210.7	1250.1	1284.2	1296.8	1311.1	1332.7	1352.4	1363.1	1366.7
145°	1144.3	1185.6	1221.4	1251.9	1266.3	1278.8	1298.6	1316.5	1327.3	1330.9
147.5°	1113.8	1155.1	1189.2	1217.9	1230.4	1243.0	1260.9	1277.1	1287.8	1291.4
150°	1076.2	1113.8	1149.7	1176.6	1189.2	1201.7	1219.7	1234.0	1244.8	1246.6
152.5°	1038.5	1074.4	1104.9	1131.8	1144.3	1156.9	1173.0	1187.4	1199.9	1199.9
155°	1002.6	1033.1	1061.8	1085.1	1095.9	1106.7	1122.8	1135.4	1146.1	1146.1
157.5°	965.0	993.7	1017.0	1038.5	1047.5	1056.4	1070.8	1081.5	1090.5	1088.7
160°	929.1	950.6	972.1	990.1	999.0	1006.2	1017.0	1025.9	1034.9	1033.1
162.5°	889.6	909.4	927.3	939.9	947.0	952.4	963.2	972.1	977.5	977.5
165°	844.8	862.7	878.9	891.4	898.6	902.2	911.2	916.5	921.9	921.9
167.5°	798.2	812.5	826.9	837.6	844.8	848.4	857.3	860.9	868.1	866.3
170°	751.5	762.3	773.0	782.0	785.6	789.2	796.4	800.0	803.5	803.5
172.5°	713.9	717.4	722.8	730.0	730.0	731.8	735.4	737.2	739.0	739.0
175°	692.3	694.1	694.1	694.1	694.1	694.1	695.9	694.1	695.9	694.1
177.5°	683.4	683.4	681.6	681.6	679.8	681.6	679.8	678.0	678.0	676.2
180°	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8

(END OF REPORT)