

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: P395470

Luminaire Tested: **I3-CL-80L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395470
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-80L82765-1D-UNV-W2A-W-4 (5700K)
Description: CORELITE I3, CLEAR TOP COVER
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7673.3 lumens
Efficiency: N/A
Efficacy: 119.9 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

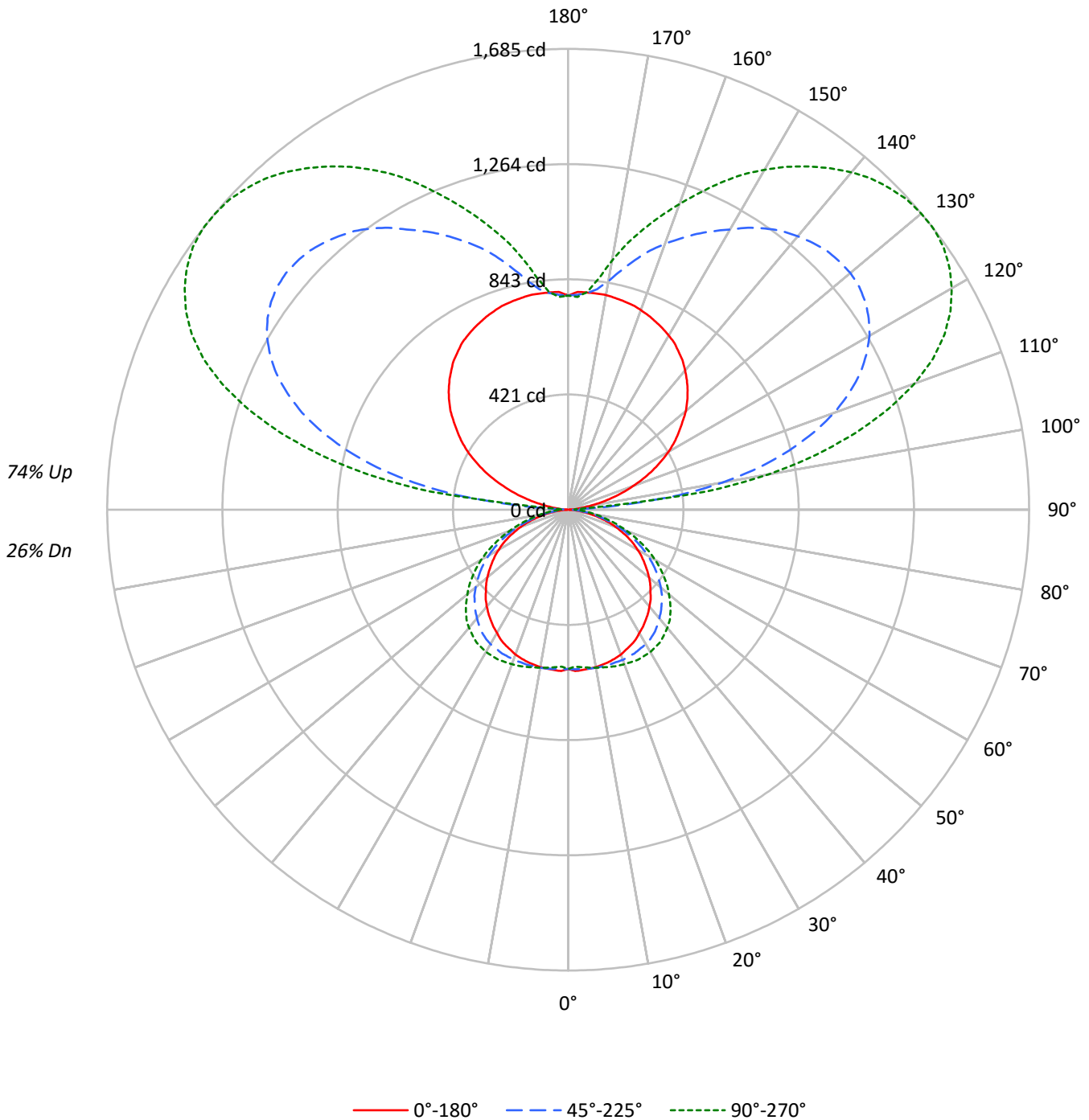
Input Watts (W): 64
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3201	3201	3201
5°	3235	3151	3100
10°	3237	3126	3091
15°	3241	3115	3107
20°	3247	3116	3135
25°	3242	3120	3176
30°	3223	3124	3198
35°	3216	3107	3202
40°	3204	3041	3161
45°	3172	2967	3082
50°	3142	2870	2944
55°	3078	2725	2775
60°	3002	2534	2561
65°	2879	2275	2271
70°	2673	1937	1923
75°	2309	1541	1544
80°	1790	1094	1130
85°	1052	678	758



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CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (5700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.7	0.7
10°-20°	165.5	2.2
20°-30°	265.4	3.5
30°-40°	339.4	4.4
40°-50°	370.1	4.8
50°-60°	346.7	4.5
60°-70°	269.0	3.5
70°-80°	154.2	2.0
80°-90°	49.3	0.6
90°-100°	197.9	2.6
100°-110°	769.3	10.0
110°-120°	1047.4	13.6
120°-130°	1087.2	14.2
130°-140°	964.4	12.6
140°-150°	748.3	9.8
150°-160°	499.4	6.5
160°-170°	266.2	3.5
170°-180°	77.9	1.0
0°-30°	486.6	6.3
0°-40°	826.0	10.8
0°-60°	1542.8	20.1
0°-90°	2015.3	26.3
90°-120°	2014.6	26.3
90°-150°	4814.5	62.7
90°-180°	5658.0	73.7
0°-180°	7673.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	582	582	582	582	582	
5°	588	582	584	582	578	56
15°	576	574	586	595	595	163
25°	545	549	578	599	605	251
35°	494	504	549	578	588	309
45°	425	444	483	514	529	329
55°	341	359	392	419	427	305
65°	242	252	275	293	299	238
75°	126	132	144	159	163	134
85°	25	29	43	56	58	30
90°	2	6	14	21	25	3
95°	25	140	192	39	37	33
105°	163	494	836	993	1088	174
115°	341	762	1177	1383	1518	336
125°	494	898	1326	1557	1675	441
135°	617	946	1338	1569	1662	476
145°	704	946	1255	1458	1532	441
155°	758	894	1113	1262	1319	350
165°	789	822	946	1034	1061	223
175°	797	793	795	799	799	76
180°	783	783	783	783	783	



TEST NUMBER: P395470

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	582.3	582.3	582.3	582.3	582.3	582.3	582.3	582.3	582.3	582.3	582.3
2.5°	590.5	588.5	588.5	584.3	584.3	582.3	582.3	582.3	582.3	582.3	584.3
5°	588.5	588.5	586.4	584.3	584.3	582.3	582.3	582.3	582.3	582.3	584.3
7.5°	586.4	586.4	584.3	582.3	582.3	582.3	582.3	582.3	582.3	582.3	586.4
10°	584.3	584.3	582.3	580.2	580.2	580.2	580.2	582.3	582.3	582.3	586.4
12.5°	580.2	578.2	578.2	576.1	576.1	576.1	578.2	578.2	580.2	582.3	586.4
15°	576.1	576.1	574.0	572.0	574.0	574.0	574.0	576.1	578.2	580.2	586.4
17.5°	569.9	569.9	567.8	567.8	567.8	569.9	569.9	572.0	576.1	580.2	584.3
20°	563.7	561.6	561.6	561.6	563.7	563.7	565.8	569.9	572.0	578.2	584.3
22.5°	553.4	555.4	553.4	553.4	555.4	557.5	559.6	563.7	567.8	574.0	580.2
25°	545.1	545.1	545.1	545.1	549.2	549.2	553.4	557.5	563.7	569.9	578.2
27.5°	534.8	534.8	534.8	536.9	538.9	541.0	543.1	549.2	555.4	563.7	572.0
30°	520.3	520.3	520.3	520.3	526.5	528.6	532.7	541.0	547.2	557.5	567.8
32.5°	507.9	507.9	507.9	510.0	514.1	516.2	520.3	530.7	538.9	549.2	559.6
35°	493.5	493.5	495.6	495.6	501.8	503.8	507.9	516.2	524.5	536.9	549.2
37.5°	479.0	479.0	481.1	483.2	487.3	491.4	495.6	503.8	512.1	522.4	534.8
40°	462.5	462.5	464.6	466.7	472.8	477.0	481.1	489.4	497.6	507.9	518.3
42.5°	446.0	446.0	448.1	450.1	456.3	460.5	464.6	474.9	483.2	493.5	501.8
45°	425.4	427.4	429.5	433.6	439.8	443.9	448.1	456.3	466.7	474.9	483.2
47.5°	406.8	408.8	410.9	415.0	421.2	425.4	429.5	437.7	446.0	454.3	464.6
50°	386.1	388.2	390.3	394.4	400.6	404.7	408.8	417.1	425.4	431.5	441.9
52.5°	363.4	365.5	367.5	371.7	379.9	382.0	386.1	394.4	400.6	408.8	417.1
55°	340.7	342.8	344.8	349.0	355.2	359.3	361.3	369.6	375.8	384.1	392.3
57.5°	318.0	320.0	322.1	326.2	330.4	334.5	336.6	342.8	351.0	357.2	365.5
60°	293.2	295.3	297.3	299.4	305.6	307.7	309.7	315.9	322.1	330.4	336.6
62.5°	268.4	268.4	270.5	272.6	278.8	280.8	282.9	287.0	295.3	299.4	305.6
65°	241.6	241.6	243.6	245.7	249.8	251.9	254.0	258.1	264.3	268.4	274.6
67.5°	212.7	212.7	214.7	216.8	220.9	223.0	223.0	229.2	233.3	237.5	241.6
70°	185.8	185.8	187.9	187.9	190.0	192.0	194.1	198.2	200.3	206.5	208.5
72.5°	156.9	156.9	156.9	156.9	161.1	161.1	163.1	167.3	169.3	173.4	177.6
75°	126.0	126.0	128.0	128.0	130.1	132.1	134.2	136.3	140.4	142.5	144.5
77.5°	99.1	97.0	99.1	101.2	103.2	103.2	105.3	107.4	109.4	113.6	115.6
80°	70.2	70.2	70.2	72.3	74.3	74.3	76.4	78.5	80.5	84.7	86.7
82.5°	45.4	45.4	47.5	47.5	49.6	51.6	51.6	53.7	55.8	59.9	61.9
85°	24.8	24.8	24.8	26.8	28.9	28.9	31.0	33.0	37.2	39.2	43.4
87.5°	8.3	8.3	10.3	12.4	14.5	14.5	16.5	18.6	20.6	24.8	26.8
90°	2.1	2.1	2.1	4.1	4.1	6.2	6.2	8.3	10.3	12.4	14.5
92.5°	8.3	14.5	22.7	33.0	31.0	33.0	22.7	14.5	14.5	14.5	16.5
95°	24.8	37.2	59.9	95.0	123.9	140.4	154.9	169.3	198.2	200.3	192.0
97.5°	49.6	68.1	109.4	154.9	206.5	233.3	254.0	297.3	342.8	371.7	406.8
100°	82.6	109.4	163.1	225.1	284.9	320.0	353.1	415.0	470.8	520.3	574.0
102.5°	121.8	152.8	218.9	295.3	369.6	408.8	443.9	516.2	592.6	658.7	716.5
105°	163.1	198.2	276.7	363.4	448.1	493.5	536.9	615.3	695.8	768.1	836.3
107.5°	208.5	245.7	330.4	427.4	522.4	574.0	621.5	706.2	790.8	869.3	941.6
110°	251.9	293.2	382.0	487.3	594.7	646.3	693.8	786.7	875.5	958.1	1034.5



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CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	297.3	340.7	429.5	545.1	654.6	708.2	757.8	856.9	949.8	1034.5	1110.9
115°	340.7	382.0	474.9	594.7	706.2	761.9	815.6	916.8	1013.8	1098.5	1177.0
117.5°	382.0	421.2	516.2	636.0	751.6	807.3	861.0	966.3	1063.4	1152.2	1228.6
120°	423.3	458.4	561.6	671.1	788.8	844.5	900.3	1005.6	1104.7	1193.5	1271.9
122.5°	460.5	493.5	594.7	702.0	817.7	875.5	929.2	1036.5	1137.7	1226.5	1302.9
125°	493.5	524.5	625.6	726.8	842.5	898.2	954.0	1059.3	1160.4	1247.2	1325.6
127.5°	526.5	557.5	648.4	751.6	859.0	916.8	970.5	1075.8	1174.9	1263.7	1340.1
130°	561.6	584.3	671.1	774.3	875.5	929.2	984.9	1086.1	1183.1	1269.9	1346.3
132.5°	590.5	611.2	693.8	792.9	887.9	939.5	989.1	1090.2	1187.3	1269.9	1344.2
135°	617.4	633.9	710.3	809.4	898.2	945.7	993.2	1088.2	1183.1	1265.7	1338.0
137.5°	642.2	658.7	724.8	821.8	906.5	947.8	993.2	1082.0	1172.8	1255.4	1323.6
140°	664.9	677.3	737.1	828.0	910.6	949.8	989.1	1071.6	1156.3	1236.8	1305.0
142.5°	687.6	697.9	747.5	832.1	912.7	949.8	987.0	1059.3	1137.7	1216.2	1284.3
145°	704.1	714.4	755.7	834.2	910.6	945.7	978.7	1046.9	1117.1	1189.3	1255.4
147.5°	722.7	730.9	764.0	830.1	904.4	937.4	968.4	1030.4	1094.4	1160.4	1222.4
150°	735.1	743.3	768.1	825.9	894.1	925.0	956.0	1013.8	1071.6	1129.5	1183.1
152.5°	747.5	753.7	774.3	819.7	881.7	910.6	939.5	995.2	1048.9	1100.6	1148.0
155°	757.8	764.0	778.4	815.6	867.2	894.1	920.9	974.6	1024.2	1069.6	1112.9
157.5°	768.1	772.2	782.6	809.4	850.7	875.5	900.3	947.8	993.2	1038.6	1073.7
160°	776.4	778.4	786.7	807.3	836.3	854.8	877.6	920.9	962.2	1001.4	1034.5
162.5°	784.6	784.6	790.8	803.2	823.9	836.3	852.8	889.9	927.1	962.2	993.2
165°	788.8	788.8	792.9	801.2	813.5	821.8	832.1	856.9	885.8	916.8	945.7
167.5°	792.9	792.9	795.0	799.1	807.3	811.5	815.6	832.1	850.7	873.4	896.1
170°	797.0	795.0	795.0	799.1	801.2	803.2	805.3	813.5	821.8	836.3	848.6
172.5°	797.0	795.0	795.0	797.0	797.0	797.0	797.0	799.1	801.2	809.4	813.5
175°	797.0	795.0	795.0	795.0	795.0	792.9	792.9	792.9	792.9	792.9	795.0
177.5°	797.0	795.0	792.9	792.9	790.8	790.8	788.8	788.8	786.7	786.7	786.7
180°	782.6	782.6	782.6	782.6	782.6	782.6	782.6	782.6	782.6	782.6	782.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	582.3	582.3	582.3	582.3	582.3	582.3	582.3	582.3	582.3	582.3
2.5°	584.3	584.3	582.3	582.3	580.2	580.2	578.2	576.1	574.0	574.0
5°	586.4	584.3	582.3	582.3	582.3	580.2	580.2	580.2	578.2	578.2
7.5°	586.4	586.4	586.4	584.3	584.3	584.3	584.3	584.3	582.3	582.3
10°	588.5	588.5	588.5	588.5	588.5	588.5	588.5	586.4	586.4	586.4
12.5°	588.5	588.5	588.5	590.5	590.5	590.5	590.5	590.5	590.5	590.5
15°	590.5	590.5	592.6	592.6	594.7	594.7	596.7	596.7	596.7	594.7
17.5°	588.5	590.5	592.6	594.7	596.7	596.7	598.8	598.8	598.8	598.8
20°	588.5	592.6	594.7	596.7	598.8	598.8	600.9	602.9	602.9	600.9
22.5°	586.4	590.5	592.6	596.7	598.8	598.8	602.9	602.9	602.9	602.9
25°	584.3	588.5	592.6	596.7	598.8	598.8	602.9	602.9	605.0	605.0
27.5°	580.2	584.3	590.5	594.7	596.7	598.8	600.9	602.9	602.9	602.9
30°	574.0	580.2	586.4	590.5	592.6	594.7	596.7	598.8	600.9	600.9
32.5°	565.8	572.0	578.2	584.3	586.4	588.5	592.6	594.7	594.7	594.7
35°	557.5	563.7	569.9	576.1	578.2	580.2	584.3	586.4	588.5	588.5
37.5°	545.1	551.3	557.5	563.7	565.8	569.9	574.0	576.1	576.1	576.1
40°	526.5	536.9	545.1	551.3	553.4	557.5	559.6	563.7	563.7	563.7
42.5°	510.0	518.3	524.5	532.7	534.8	541.0	545.1	547.2	549.2	549.2
45°	491.4	499.7	505.9	512.1	514.1	518.3	522.4	524.5	526.5	528.6
47.5°	472.8	479.0	485.2	491.4	493.5	497.6	501.8	503.8	505.9	505.9
50°	450.1	456.3	462.5	468.7	470.8	474.9	477.0	479.0	481.1	481.1
52.5°	425.4	431.5	437.7	443.9	446.0	448.1	452.2	454.3	456.3	456.3
55°	400.6	406.8	410.9	417.1	419.2	421.2	423.3	427.4	429.5	427.4
57.5°	371.7	377.9	382.0	388.2	390.3	392.3	394.4	396.4	398.5	398.5
60°	340.7	346.9	353.1	357.2	359.3	361.3	363.4	365.5	367.5	367.5
62.5°	309.7	315.9	320.0	326.2	328.3	328.3	330.4	332.4	334.5	334.5
65°	278.8	284.9	287.0	293.2	293.2	295.3	297.3	299.4	299.4	299.4
67.5°	245.7	251.9	254.0	258.1	258.1	260.2	262.2	264.3	264.3	264.3
70°	214.7	216.8	220.9	223.0	225.1	225.1	227.1	229.2	231.3	229.2
72.5°	181.7	183.8	187.9	190.0	190.0	192.0	192.0	194.1	196.2	196.2
75°	148.7	152.8	154.9	156.9	159.0	159.0	161.1	163.1	163.1	163.1
77.5°	117.7	121.8	123.9	126.0	128.0	128.0	130.1	130.1	132.1	130.1
80°	90.9	92.9	95.0	97.0	99.1	99.1	101.2	103.2	103.2	103.2
82.5°	66.1	68.1	72.3	74.3	74.3	74.3	78.5	78.5	80.5	78.5
85°	45.4	47.5	51.6	53.7	55.8	55.8	55.8	57.8	59.9	57.8
87.5°	28.9	33.0	35.1	37.2	37.2	37.2	39.2	41.3	41.3	41.3
90°	16.5	16.5	18.6	20.6	20.6	22.7	22.7	24.8	24.8	24.8
92.5°	16.5	18.6	18.6	18.6	20.6	20.6	20.6	22.7	22.7	22.7
95°	140.4	101.2	57.8	45.4	39.2	39.2	37.2	39.2	37.2	37.2
97.5°	425.4	460.5	477.0	499.7	512.1	510.0	501.8	510.0	503.8	510.0
100°	605.0	638.0	662.8	669.0	681.4	687.6	710.3	726.8	735.1	745.4
102.5°	751.6	790.8	819.7	836.3	848.6	856.9	883.7	908.5	920.9	929.2
105°	885.8	927.1	962.2	978.7	993.2	1001.4	1030.4	1059.3	1077.8	1088.2
107.5°	993.2	1040.7	1077.8	1102.6	1117.1	1131.5	1166.6	1195.5	1218.2	1228.6
110°	1090.2	1137.7	1177.0	1205.9	1222.4	1236.8	1276.1	1309.1	1333.9	1346.3



TEST NUMBER: P395470

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1170.8	1222.4	1261.6	1292.6	1309.1	1329.8	1366.9	1404.1	1428.9	1443.3
115°	1236.8	1290.5	1331.8	1364.9	1383.4	1402.0	1445.4	1482.5	1507.3	1517.7
117.5°	1292.6	1346.3	1389.6	1422.7	1443.3	1464.0	1507.3	1540.4	1567.2	1575.5
120°	1338.0	1391.7	1435.1	1472.2	1492.9	1511.5	1552.8	1587.9	1612.6	1618.8
122.5°	1369.0	1424.7	1470.2	1511.5	1530.0	1548.6	1587.9	1623.0	1645.7	1651.9
125°	1391.7	1449.5	1494.9	1538.3	1556.9	1575.5	1612.6	1647.7	1666.3	1674.6
127.5°	1406.1	1464.0	1513.5	1554.8	1575.5	1592.0	1629.2	1660.1	1678.7	1684.9
130°	1410.3	1470.2	1519.7	1563.1	1581.7	1598.2	1633.3	1664.3	1680.8	1684.9
132.5°	1410.3	1468.1	1519.7	1561.0	1579.6	1596.1	1629.2	1658.1	1674.6	1678.7
135°	1402.0	1457.8	1509.4	1550.7	1569.3	1585.8	1618.8	1643.6	1660.1	1662.2
137.5°	1387.6	1441.3	1490.8	1532.1	1550.7	1567.2	1596.1	1623.0	1637.4	1641.5
140°	1369.0	1418.5	1468.1	1507.3	1525.9	1540.4	1569.3	1592.0	1606.4	1610.6
142.5°	1344.2	1393.8	1439.2	1478.4	1492.9	1509.4	1534.2	1556.9	1569.3	1573.4
145°	1317.4	1364.9	1406.1	1441.3	1457.8	1472.2	1494.9	1515.6	1528.0	1532.1
147.5°	1282.3	1329.8	1369.0	1402.0	1416.5	1430.9	1451.6	1470.2	1482.5	1486.7
150°	1238.9	1282.3	1323.6	1354.5	1369.0	1383.4	1404.1	1420.6	1433.0	1435.1
152.5°	1195.5	1236.8	1271.9	1302.9	1317.4	1331.8	1350.4	1366.9	1381.4	1381.4
155°	1154.2	1189.3	1222.4	1249.2	1261.6	1274.0	1292.6	1307.0	1319.4	1319.4
157.5°	1110.9	1143.9	1170.8	1195.5	1205.9	1216.2	1232.7	1245.1	1255.4	1253.4
160°	1069.6	1094.4	1119.1	1139.8	1150.1	1158.4	1170.8	1181.1	1191.4	1189.3
162.5°	1024.2	1046.9	1067.5	1082.0	1090.2	1096.4	1108.8	1119.1	1125.3	1125.3
165°	972.5	993.2	1011.8	1026.2	1034.5	1038.6	1048.9	1055.1	1061.3	1061.3
167.5°	918.8	935.4	951.9	964.3	972.5	976.7	987.0	991.1	999.4	997.3
170°	865.2	877.6	889.9	900.3	904.4	908.5	916.8	920.9	925.0	925.0
172.5°	821.8	825.9	832.1	840.4	840.4	842.5	846.6	848.6	850.7	850.7
175°	797.0	799.1	799.1	799.1	799.1	799.1	801.2	799.1	801.2	799.1
177.5°	786.7	786.7	784.6	784.6	782.6	784.6	782.6	780.5	780.5	778.4
180°	782.6	782.6	782.6	782.6	782.6	782.6	782.6	782.6	782.6	782.6

(END OF REPORT)