

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: P395471

Luminaire Tested: **I3-CL-80L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395471
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 (6500K)
Description: CORELITE I3, CLEAR TOP COVER
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7688.0 lumens
Efficiency: N/A
Efficacy: 118.3 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

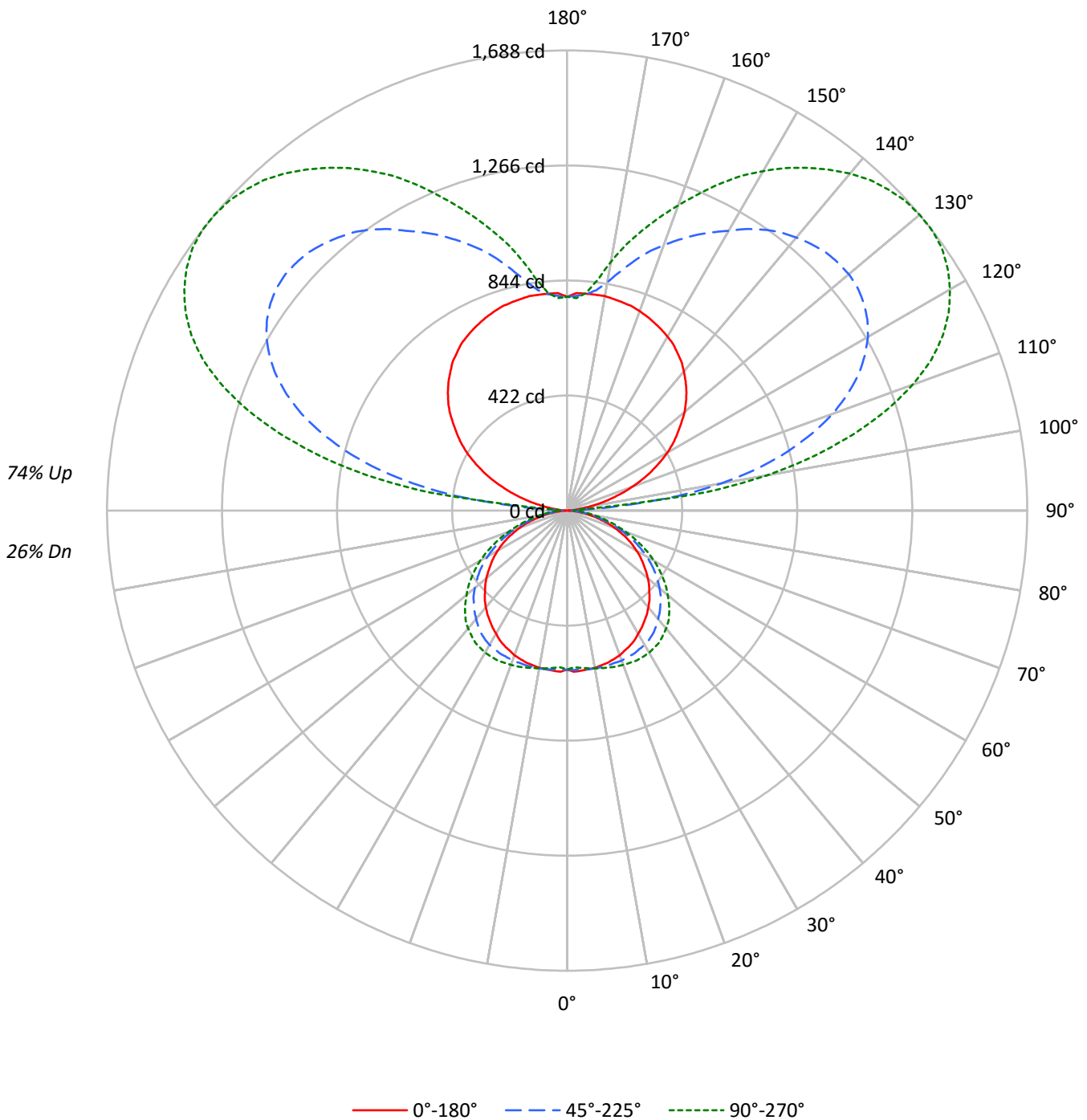
Input Watts (W): 65
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (6500K)

Luminous Intensity Polar Plot





TEST NUMBER: P395471

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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	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°	3207	3207	3207
5°	3241	3157	3106
10°	3243	3132	3097
15°	3247	3121	3112
20°	3253	3123	3140
25°	3248	3126	3182
30°	3229	3130	3204
35°	3221	3113	3208
40°	3210	3047	3167
45°	3178	2973	3088
50°	3149	2875	2950
55°	3084	2731	2780
60°	3008	2538	2566
65°	2884	2279	2275
70°	2679	1940	1926
75°	2313	1544	1546
80°	1793	1097	1132
85°	1052	678	759



TEST NUMBER: P395471

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (6500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.8	0.7
10°-20°	165.8	2.2
20°-30°	265.9	3.5
30°-40°	340.1	4.4
40°-50°	370.8	4.8
50°-60°	347.4	4.5
60°-70°	269.5	3.5
70°-80°	154.5	2.0
80°-90°	49.4	0.6
90°-100°	198.3	2.6
100°-110°	770.8	10.0
110°-120°	1049.4	13.6
120°-130°	1089.3	14.2
130°-140°	966.3	12.6
140°-150°	749.7	9.8
150°-160°	500.3	6.5
160°-170°	266.7	3.5
170°-180°	78.0	1.0
0°-30°	487.5	6.3
0°-40°	827.6	10.8
0°-60°	1545.8	20.1
0°-90°	2019.2	26.3
90°-120°	2018.5	26.3
90°-150°	4823.7	62.7
90°-180°	5669.0	73.7
0°-180°	7688.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	583	583	583	583	583	
5°	590	583	586	583	579	56
15°	577	575	588	596	596	163
25°	546	550	579	600	606	252
35°	494	505	550	579	590	310
45°	426	445	484	515	530	329
55°	341	360	393	420	428	305
65°	242	252	275	294	300	239
75°	126	132	145	159	163	135
85°	25	29	43	56	58	30
90°	2	6	14	21	25	3
95°	25	141	192	39	37	33
105°	163	494	838	995	1090	174
115°	341	763	1179	1386	1521	336
125°	494	900	1328	1560	1678	442
135°	619	948	1341	1572	1665	477
145°	706	948	1258	1461	1535	442
155°	759	896	1115	1264	1322	351
165°	790	823	948	1036	1063	224
175°	799	794	796	801	801	76
180°	784	784	784	784	784	



TEST NUMBER: P395471

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	583.4	583.4	583.4	583.4	583.4	583.4	583.4	583.4	583.4	583.4	583.4
2.5°	591.7	589.6	589.6	585.5	585.5	583.4	583.4	583.4	583.4	583.4	585.5
5°	589.6	589.6	587.5	585.5	585.5	583.4	583.4	583.4	583.4	583.4	585.5
7.5°	587.5	587.5	585.5	583.4	583.4	583.4	583.4	583.4	583.4	583.4	587.5
10°	585.5	585.5	583.4	581.3	581.3	581.3	581.3	583.4	583.4	583.4	587.5
12.5°	581.3	579.3	579.3	577.2	577.2	577.2	579.3	579.3	581.3	583.4	587.5
15°	577.2	577.2	575.1	573.1	575.1	575.1	575.1	577.2	579.3	581.3	587.5
17.5°	571.0	571.0	568.9	568.9	568.9	571.0	571.0	573.1	577.2	581.3	585.5
20°	564.8	562.7	562.7	562.7	564.8	564.8	566.8	571.0	573.1	579.3	585.5
22.5°	554.4	556.5	554.4	554.4	556.5	558.6	560.6	564.8	568.9	575.1	581.3
25°	546.2	546.2	546.2	546.2	550.3	550.3	554.4	558.6	564.8	571.0	579.3
27.5°	535.8	535.8	535.8	537.9	540.0	542.0	544.1	550.3	556.5	564.8	573.1
30°	521.3	521.3	521.3	521.3	527.5	529.6	533.7	542.0	548.2	558.6	568.9
32.5°	508.9	508.9	508.9	511.0	515.1	517.2	521.3	531.7	540.0	550.3	560.6
35°	494.4	494.4	496.5	496.5	502.7	504.8	508.9	517.2	525.5	537.9	550.3
37.5°	480.0	480.0	482.0	484.1	488.2	492.4	496.5	504.8	513.1	523.4	535.8
40°	463.4	463.4	465.5	467.5	473.8	477.9	482.0	490.3	498.6	508.9	519.3
42.5°	446.9	446.9	448.9	451.0	457.2	461.3	465.5	475.8	484.1	494.4	502.7
45°	426.2	428.2	430.3	434.4	440.7	444.8	448.9	457.2	467.5	475.8	484.1
47.5°	407.6	409.6	411.7	415.8	422.0	426.2	430.3	438.6	446.9	455.1	465.5
50°	386.9	388.9	391.0	395.1	401.3	405.5	409.6	417.9	426.2	432.4	442.7
52.5°	364.1	366.2	368.2	372.4	380.7	382.7	386.9	395.1	401.3	409.6	417.9
55°	341.4	343.4	345.5	349.6	355.8	360.0	362.0	370.3	376.5	384.8	393.1
57.5°	318.6	320.7	322.7	326.9	331.0	335.1	337.2	343.4	351.7	357.9	366.2
60°	293.8	295.8	297.9	300.0	306.2	308.2	310.3	316.5	322.7	331.0	337.2
62.5°	268.9	268.9	271.0	273.1	279.3	281.4	283.4	287.6	295.8	300.0	306.2
65°	242.0	242.0	244.1	246.2	250.3	252.4	254.5	258.6	264.8	268.9	275.1
67.5°	213.1	213.1	215.2	217.2	221.4	223.4	223.4	229.6	233.8	237.9	242.0
70°	186.2	186.2	188.3	188.3	190.3	192.4	194.5	198.6	200.7	206.9	208.9
72.5°	157.2	157.2	157.2	157.2	161.4	161.4	163.4	167.6	169.6	173.8	177.9
75°	126.2	126.2	128.3	128.3	130.3	132.4	134.5	136.5	140.7	142.7	144.8
77.5°	99.3	97.2	99.3	101.4	103.4	103.4	105.5	107.6	109.6	113.8	115.9
80°	70.3	70.3	70.3	72.4	74.5	74.5	76.5	78.6	80.7	84.8	86.9
82.5°	45.5	45.5	47.6	47.6	49.7	51.7	51.7	53.8	55.9	60.0	62.1
85°	24.8	24.8	24.8	26.9	29.0	29.0	31.0	33.1	37.2	39.3	43.4
87.5°	8.3	8.3	10.3	12.4	14.5	14.5	16.6	18.6	20.7	24.8	26.9
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	22.8	33.1	31.0	33.1	22.8	14.5	14.5	14.5	16.6
95°	24.8	37.2	60.0	95.2	124.1	140.7	155.2	169.6	198.6	200.7	192.4
97.5°	49.7	68.3	109.6	155.2	206.9	233.8	254.5	297.9	343.4	372.4	407.6
100°	82.8	109.6	163.4	225.5	285.5	320.7	353.8	415.8	471.7	521.3	575.1
102.5°	122.1	153.1	219.3	295.8	370.3	409.6	444.8	517.2	593.7	659.9	717.9
105°	163.4	198.6	277.2	364.1	448.9	494.4	537.9	616.5	697.2	769.6	837.9
107.5°	208.9	246.2	331.0	428.2	523.4	575.1	622.7	707.5	792.3	871.0	943.4
110°	252.4	293.8	382.7	488.2	595.8	647.5	695.1	788.2	877.2	959.9	1036.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	297.9	341.4	430.3	546.2	655.8	709.6	759.2	858.5	951.6	1036.5	1113.0
115°	341.4	382.7	475.8	595.8	707.5	763.4	817.2	918.5	1015.8	1100.6	1179.2
117.5°	382.7	422.0	517.2	637.2	753.0	808.9	862.7	968.2	1065.4	1154.4	1230.9
120°	424.1	459.3	562.7	672.4	790.3	846.1	902.0	1007.5	1106.8	1195.8	1274.4
122.5°	461.3	494.4	595.8	703.4	819.2	877.2	931.0	1038.5	1139.9	1228.9	1305.4
125°	494.4	525.5	626.8	728.2	844.1	899.9	955.8	1061.3	1162.7	1249.5	1328.2
127.5°	527.5	558.6	649.6	753.0	860.6	918.5	972.3	1077.8	1177.1	1266.1	1342.6
130°	562.7	585.5	672.4	775.8	877.2	931.0	986.8	1088.2	1185.4	1272.3	1348.9
132.5°	591.7	612.4	695.1	794.4	889.6	941.3	991.0	1092.3	1189.6	1272.3	1346.8
135°	618.6	635.1	711.7	811.0	899.9	947.5	995.1	1090.3	1185.4	1268.2	1340.6
137.5°	643.4	659.9	726.1	823.4	908.2	949.6	995.1	1084.0	1175.1	1257.8	1326.1
140°	666.2	678.6	738.6	829.6	912.3	951.6	991.0	1073.7	1158.5	1239.2	1307.5
142.5°	688.9	699.3	748.9	833.7	914.4	951.6	988.9	1061.3	1139.9	1218.5	1286.8
145°	705.5	715.8	757.2	835.8	912.3	947.5	980.6	1048.9	1119.2	1191.6	1257.8
147.5°	724.1	732.4	765.5	831.7	906.1	939.2	970.3	1032.3	1096.5	1162.7	1224.7
150°	736.5	744.8	769.6	827.5	895.8	926.8	957.8	1015.8	1073.7	1131.6	1185.4
152.5°	748.9	755.1	775.8	821.3	883.4	912.3	941.3	997.2	1050.9	1102.7	1150.2
155°	759.2	765.5	779.9	817.2	868.9	895.8	922.7	976.5	1026.1	1071.6	1115.1
157.5°	769.6	773.7	784.1	811.0	852.3	877.2	902.0	949.6	995.1	1040.6	1075.8
160°	777.9	779.9	788.2	808.9	837.9	856.5	879.2	922.7	964.1	1003.4	1036.5
162.5°	786.1	786.1	792.3	804.8	825.4	837.9	854.4	891.6	928.9	964.1	995.1
165°	790.3	790.3	794.4	802.7	815.1	823.4	833.7	858.5	887.5	918.5	947.5
167.5°	794.4	794.4	796.5	800.6	808.9	813.0	817.2	833.7	852.3	875.1	897.9
170°	798.6	796.5	796.5	800.6	802.7	804.8	806.8	815.1	823.4	837.9	850.3
172.5°	798.6	796.5	796.5	798.6	798.6	798.6	798.6	800.6	802.7	811.0	815.1
175°	798.6	796.5	796.5	796.5	796.5	794.4	794.4	794.4	794.4	794.4	796.5
177.5°	798.6	796.5	794.4	794.4	792.3	792.3	790.3	790.3	788.2	788.2	788.2
180°	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	583.4	583.4	583.4	583.4	583.4	583.4	583.4	583.4	583.4	583.4
2.5°	585.5	585.5	583.4	583.4	581.3	581.3	579.3	577.2	575.1	575.1
5°	587.5	585.5	583.4	583.4	583.4	581.3	581.3	581.3	579.3	579.3
7.5°	587.5	587.5	587.5	585.5	585.5	585.5	585.5	585.5	583.4	583.4
10°	589.6	589.6	589.6	589.6	589.6	589.6	589.6	587.5	587.5	587.5
12.5°	589.6	589.6	589.6	591.7	591.7	591.7	591.7	591.7	591.7	591.7
15°	591.7	591.7	593.7	593.7	595.8	595.8	597.9	597.9	597.9	595.8
17.5°	589.6	591.7	593.7	595.8	597.9	597.9	599.9	599.9	599.9	599.9
20°	589.6	593.7	595.8	597.9	599.9	599.9	602.0	604.1	604.1	602.0
22.5°	587.5	591.7	593.7	597.9	599.9	599.9	604.1	604.1	604.1	604.1
25°	585.5	589.6	593.7	597.9	599.9	599.9	604.1	604.1	606.2	606.2
27.5°	581.3	585.5	591.7	595.8	597.9	599.9	602.0	604.1	604.1	604.1
30°	575.1	581.3	587.5	591.7	593.7	595.8	597.9	599.9	602.0	602.0
32.5°	566.8	573.1	579.3	585.5	587.5	589.6	593.7	595.8	595.8	595.8
35°	558.6	564.8	571.0	577.2	579.3	581.3	585.5	587.5	589.6	589.6
37.5°	546.2	552.4	558.6	564.8	566.8	571.0	575.1	577.2	577.2	577.2
40°	527.5	537.9	546.2	552.4	554.4	558.6	560.6	564.8	564.8	564.8
42.5°	511.0	519.3	525.5	533.7	535.8	542.0	546.2	548.2	550.3	550.3
45°	492.4	500.6	506.9	513.1	515.1	519.3	523.4	525.5	527.5	529.6
47.5°	473.8	480.0	486.2	492.4	494.4	498.6	502.7	504.8	506.9	506.9
50°	451.0	457.2	463.4	469.6	471.7	475.8	477.9	480.0	482.0	482.0
52.5°	426.2	432.4	438.6	444.8	446.9	448.9	453.1	455.1	457.2	457.2
55°	401.3	407.6	411.7	417.9	420.0	422.0	424.1	428.2	430.3	428.2
57.5°	372.4	378.6	382.7	388.9	391.0	393.1	395.1	397.2	399.3	399.3
60°	341.4	347.6	353.8	357.9	360.0	362.0	364.1	366.2	368.2	368.2
62.5°	310.3	316.5	320.7	326.9	328.9	328.9	331.0	333.1	335.1	335.1
65°	279.3	285.5	287.6	293.8	293.8	295.8	297.9	300.0	300.0	300.0
67.5°	246.2	252.4	254.5	258.6	258.6	260.7	262.7	264.8	264.8	264.8
70°	215.2	217.2	221.4	223.4	225.5	225.5	227.6	229.6	231.7	229.6
72.5°	182.1	184.1	188.3	190.3	190.3	192.4	192.4	194.5	196.5	196.5
75°	149.0	153.1	155.2	157.2	159.3	159.3	161.4	163.4	163.4	163.4
77.5°	117.9	122.1	124.1	126.2	128.3	128.3	130.3	130.3	132.4	130.3
80°	91.0	93.1	95.2	97.2	99.3	99.3	101.4	103.4	103.4	103.4
82.5°	66.2	68.3	72.4	74.5	74.5	74.5	78.6	78.6	80.7	78.6
85°	45.5	47.6	51.7	53.8	55.9	55.9	55.9	57.9	60.0	57.9
87.5°	29.0	33.1	35.2	37.2	37.2	37.2	39.3	41.4	41.4	41.4
90°	16.6	16.6	18.6	20.7	20.7	22.8	22.8	24.8	24.8	24.8
92.5°	16.6	18.6	18.6	18.6	20.7	20.7	20.7	22.8	22.8	22.8
95°	140.7	101.4	57.9	45.5	39.3	39.3	37.2	39.3	37.2	37.2
97.5°	426.2	461.3	477.9	500.6	513.1	511.0	502.7	511.0	504.8	511.0
100°	606.2	639.3	664.1	670.3	682.7	688.9	711.7	728.2	736.5	746.8
102.5°	753.0	792.3	821.3	837.9	850.3	858.5	885.4	910.3	922.7	931.0
105°	887.5	928.9	964.1	980.6	995.1	1003.4	1032.3	1061.3	1079.9	1090.3
107.5°	995.1	1042.7	1079.9	1104.7	1119.2	1133.7	1168.9	1197.8	1220.6	1230.9
110°	1092.3	1139.9	1179.2	1208.2	1224.7	1239.2	1278.5	1311.6	1336.4	1348.9



TEST NUMBER: P395471

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1173.0	1224.7	1264.0	1295.1	1311.6	1332.3	1369.5	1406.8	1431.6	1446.1
115°	1239.2	1293.0	1334.4	1367.5	1386.1	1404.7	1448.2	1485.4	1510.2	1520.6
117.5°	1295.1	1348.9	1392.3	1425.4	1446.1	1466.8	1510.2	1543.3	1570.2	1578.5
120°	1340.6	1394.4	1437.8	1475.0	1495.7	1514.4	1555.7	1590.9	1615.7	1621.9
122.5°	1371.6	1427.5	1473.0	1514.4	1533.0	1551.6	1590.9	1626.1	1648.8	1655.0
125°	1394.4	1452.3	1497.8	1541.2	1559.9	1578.5	1615.7	1650.9	1669.5	1677.8
127.5°	1408.8	1466.8	1516.4	1557.8	1578.5	1595.0	1632.3	1663.3	1681.9	1688.1
130°	1413.0	1473.0	1522.6	1566.1	1584.7	1601.2	1636.4	1667.4	1684.0	1688.1
132.5°	1413.0	1470.9	1522.6	1564.0	1582.6	1599.2	1632.3	1661.2	1677.8	1681.9
135°	1404.7	1460.6	1512.3	1553.7	1572.3	1588.8	1621.9	1646.8	1663.3	1665.4
137.5°	1390.2	1444.0	1493.7	1535.0	1553.7	1570.2	1599.2	1626.1	1640.6	1644.7
140°	1371.6	1421.3	1470.9	1510.2	1528.8	1543.3	1572.3	1595.0	1609.5	1613.7
142.5°	1346.8	1396.4	1441.9	1481.3	1495.7	1512.3	1537.1	1559.9	1572.3	1576.4
145°	1319.9	1367.5	1408.8	1444.0	1460.6	1475.0	1497.8	1518.5	1530.9	1535.0
147.5°	1284.7	1332.3	1371.6	1404.7	1419.2	1433.7	1454.4	1473.0	1485.4	1489.5
150°	1241.3	1284.7	1326.1	1357.1	1371.6	1386.1	1406.8	1423.3	1435.7	1437.8
152.5°	1197.8	1239.2	1274.4	1305.4	1319.9	1334.4	1353.0	1369.5	1384.0	1384.0
155°	1156.5	1191.6	1224.7	1251.6	1264.0	1276.4	1295.1	1309.5	1322.0	1322.0
157.5°	1113.0	1146.1	1173.0	1197.8	1208.2	1218.5	1235.1	1247.5	1257.8	1255.8
160°	1071.6	1096.5	1121.3	1142.0	1152.3	1160.6	1173.0	1183.3	1193.7	1191.6
162.5°	1026.1	1048.9	1069.6	1084.0	1092.3	1098.5	1110.9	1121.3	1127.5	1127.5
165°	974.4	995.1	1013.7	1028.2	1036.5	1040.6	1050.9	1057.2	1063.4	1063.4
167.5°	920.6	937.2	953.7	966.1	974.4	978.5	988.9	993.0	1001.3	999.2
170°	866.8	879.2	891.6	902.0	906.1	910.3	918.5	922.7	926.8	926.8
172.5°	823.4	827.5	833.7	842.0	842.0	844.1	848.2	850.3	852.3	852.3
175°	798.6	800.6	800.6	800.6	800.6	800.6	802.7	800.6	802.7	800.6
177.5°	788.2	788.2	786.1	786.1	784.1	786.1	784.1	782.0	782.0	779.9
180°	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1	784.1

(END OF REPORT)