

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: P395469

Luminaire Tested: **I3-CL-80L82765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395469
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 (5000K)
Description: CORELITE I3, CLEAR TOP COVER
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7577.6 lumens
Efficiency: N/A
Efficacy: 119.0 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

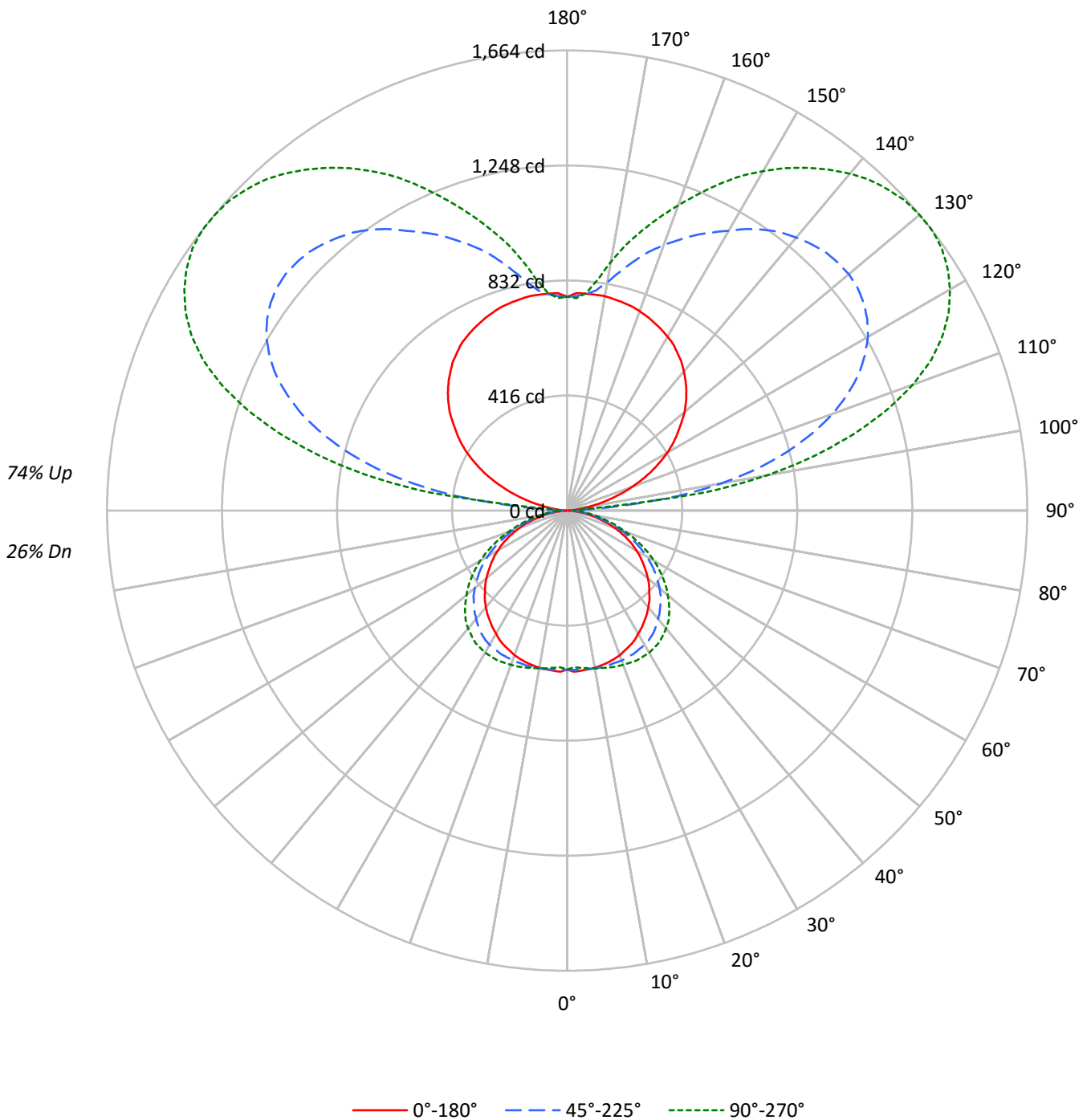
Input Watts (W): 63.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (5000K)

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°	3160	3160	3160
5°	3194	3112	3061
10°	3197	3087	3053
15°	3201	3076	3068
20°	3207	3078	3095
25°	3201	3081	3136
30°	3183	3086	3158
35°	3175	3068	3161
40°	3165	3003	3121
45°	3132	2930	3043
50°	3103	2834	2908
55°	3040	2691	2740
60°	2965	2502	2530
65°	2844	2247	2243
70°	2640	1912	1898
75°	2280	1521	1525
80°	1767	1081	1117
85°	1039	668	749



TEST NUMBER: P395469

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (5000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.0	0.7
10°-20°	163.5	2.2
20°-30°	262.1	3.5
30°-40°	335.2	4.4
40°-50°	365.4	4.8
50°-60°	342.4	4.5
60°-70°	265.7	3.5
70°-80°	152.3	2.0
80°-90°	48.7	0.6
90°-100°	195.4	2.6
100°-110°	759.7	10.0
110°-120°	1034.3	13.6
120°-130°	1073.7	14.2
130°-140°	952.4	12.6
140°-150°	738.9	9.8
150°-160°	493.2	6.5
160°-170°	262.9	3.5
170°-180°	76.9	1.0
0°-30°	480.5	6.3
0°-40°	815.7	10.8
0°-60°	1523.6	20.1
0°-90°	1990.2	26.3
90°-120°	1989.5	26.3
90°-150°	4754.5	62.7
90°-180°	5587.0	73.7
0°-180°	7577.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	575	575	575	575	575	
5°	581	575	577	575	571	55
15°	569	567	579	587	587	161
25°	538	542	571	591	598	248
35°	487	498	542	571	581	305
45°	420	438	477	508	522	325
55°	336	355	387	414	422	301
65°	239	249	271	290	296	235
75°	124	130	143	157	161	133
85°	24	28	43	55	57	29
90°	2	6	14	20	24	3
95°	24	139	190	39	37	32
105°	161	487	826	981	1075	172
115°	336	752	1162	1366	1499	332
125°	487	887	1309	1538	1654	436
135°	610	934	1321	1550	1642	470
145°	695	934	1240	1440	1513	436
155°	748	883	1099	1246	1303	346
165°	779	812	934	1022	1048	220
175°	787	783	785	789	789	75
180°	773	773	773	773	773	



TEST NUMBER: P395469

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	575.0	575.0	575.0	575.0	575.0	575.0	575.0	575.0	575.0	575.0	575.0
2.5°	583.2	581.1	581.1	577.1	577.1	575.0	575.0	575.0	575.0	575.0	577.1
5°	581.1	581.1	579.1	577.1	577.1	575.0	575.0	575.0	575.0	575.0	577.1
7.5°	579.1	579.1	577.1	575.0	575.0	575.0	575.0	575.0	575.0	575.0	579.1
10°	577.1	577.1	575.0	573.0	573.0	573.0	573.0	575.0	575.0	575.0	579.1
12.5°	573.0	570.9	570.9	568.9	568.9	568.9	570.9	570.9	573.0	575.0	579.1
15°	568.9	568.9	566.9	564.8	566.9	566.9	566.9	568.9	570.9	573.0	579.1
17.5°	562.8	562.8	560.8	560.8	560.8	562.8	562.8	564.8	568.9	573.0	577.1
20°	556.7	554.6	554.6	554.6	556.7	556.7	558.7	562.8	564.8	570.9	577.1
22.5°	546.5	548.5	546.5	546.5	548.5	550.6	552.6	556.7	560.8	566.9	573.0
25°	538.3	538.3	538.3	538.3	542.4	542.4	546.5	550.6	556.7	562.8	570.9
27.5°	528.1	528.1	528.1	530.2	532.2	534.2	536.3	542.4	548.5	556.7	564.8
30°	513.9	513.9	513.9	513.9	520.0	522.0	526.1	534.2	540.4	550.6	560.8
32.5°	501.6	501.6	501.6	503.7	507.7	509.8	513.9	524.0	532.2	542.4	552.6
35°	487.3	487.3	489.4	489.4	495.5	497.5	501.6	509.8	517.9	530.2	542.4
37.5°	473.1	473.1	475.1	477.1	481.2	485.3	489.4	497.5	505.7	515.9	528.1
40°	456.8	456.8	458.8	460.8	467.0	471.0	475.1	483.3	491.4	501.6	511.8
42.5°	440.4	440.4	442.5	444.5	450.6	454.7	458.8	469.0	477.1	487.3	495.5
45°	420.1	422.1	424.1	428.2	434.3	438.4	442.5	450.6	460.8	469.0	477.1
47.5°	401.7	403.7	405.8	409.9	416.0	420.1	424.1	432.3	440.4	448.6	458.8
50°	381.3	383.3	385.4	389.5	395.6	399.7	403.7	411.9	420.1	426.2	436.4
52.5°	358.9	360.9	363.0	367.0	375.2	377.2	381.3	389.5	395.6	403.7	411.9
55°	336.5	338.5	340.5	344.6	350.7	354.8	356.8	365.0	371.1	379.3	387.4
57.5°	314.0	316.1	318.1	322.2	326.3	330.3	332.4	338.5	346.6	352.8	360.9
60°	289.6	291.6	293.6	295.7	301.8	303.8	305.9	312.0	318.1	326.3	332.4
62.5°	265.1	265.1	267.1	269.2	275.3	277.3	279.4	283.4	291.6	295.7	301.8
65°	238.6	238.6	240.6	242.7	246.7	248.8	250.8	254.9	261.0	265.1	271.2
67.5°	210.0	210.0	212.1	214.1	218.2	220.2	220.2	226.3	230.4	234.5	238.6
70°	183.5	183.5	185.6	185.6	187.6	189.6	191.7	195.8	197.8	203.9	205.9
72.5°	155.0	155.0	155.0	155.0	159.0	159.0	161.1	165.2	167.2	171.3	175.4
75°	124.4	124.4	126.4	126.4	128.5	130.5	132.5	134.6	138.7	140.7	142.7
77.5°	97.9	95.8	97.9	99.9	102.0	102.0	104.0	106.0	108.1	112.2	114.2
80°	69.3	69.3	69.3	71.4	73.4	73.4	75.4	77.5	79.5	83.6	85.6
82.5°	44.9	44.9	46.9	46.9	48.9	51.0	51.0	53.0	55.1	59.1	61.2
85°	24.5	24.5	24.5	26.5	28.5	28.5	30.6	32.6	36.7	38.7	42.8
87.5°	8.2	8.2	10.2	12.2	14.3	14.3	16.3	18.4	20.4	24.5	26.5
90°	2.0	2.0	2.0	4.1	4.1	6.1	6.1	8.2	10.2	12.2	14.3
92.5°	8.2	14.3	22.4	32.6	30.6	32.6	22.4	14.3	14.3	14.3	16.3
95°	24.5	36.7	59.1	93.8	122.3	138.7	152.9	167.2	195.8	197.8	189.6
97.5°	48.9	67.3	108.1	152.9	203.9	230.4	250.8	293.6	338.5	367.0	401.7
100°	81.6	108.1	161.1	222.3	281.4	316.1	348.7	409.9	464.9	513.9	566.9
102.5°	120.3	150.9	216.1	291.6	365.0	403.7	438.4	509.8	585.2	650.5	707.6
105°	161.1	195.8	273.2	358.9	442.5	487.3	530.2	607.7	687.2	758.5	825.8
107.5°	205.9	242.7	326.3	422.1	515.9	566.9	613.8	697.4	781.0	858.5	929.8
110°	248.8	289.6	377.2	481.2	587.3	638.2	685.1	776.9	864.6	946.1	1021.6



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CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	293.6	336.5	424.1	538.3	646.4	699.4	748.3	846.2	938.0	1021.6	1097.0
115°	336.5	377.2	469.0	587.3	697.4	752.4	805.4	905.4	1001.2	1084.8	1162.3
117.5°	377.2	416.0	509.8	628.0	742.2	797.3	850.3	954.3	1050.1	1137.8	1213.3
120°	418.0	452.7	554.6	662.7	778.9	834.0	889.0	993.0	1090.9	1178.6	1256.1
122.5°	454.7	487.3	587.3	693.3	807.5	864.6	917.6	1023.6	1123.5	1211.2	1286.7
125°	487.3	517.9	617.8	717.8	832.0	887.0	942.1	1046.1	1146.0	1231.6	1309.1
127.5°	520.0	550.6	640.3	742.2	848.3	905.4	958.4	1062.4	1160.2	1247.9	1323.4
130°	554.6	577.1	662.7	764.7	864.6	917.6	972.6	1072.6	1168.4	1254.0	1329.5
132.5°	583.2	603.6	685.1	783.0	876.8	927.8	976.7	1076.6	1172.5	1254.0	1327.5
135°	609.7	626.0	701.4	799.3	887.0	933.9	980.8	1074.6	1168.4	1250.0	1321.3
137.5°	634.2	650.5	715.7	811.6	895.2	935.9	980.8	1068.5	1158.2	1239.8	1307.1
140°	656.6	668.8	728.0	817.7	899.2	938.0	976.7	1058.3	1141.9	1221.4	1288.7
142.5°	679.0	689.2	738.2	821.8	901.3	938.0	974.7	1046.1	1123.5	1201.0	1268.3
145°	695.3	705.5	746.3	823.8	899.2	933.9	966.5	1033.8	1103.1	1174.5	1239.8
147.5°	713.7	721.8	754.5	819.7	893.1	925.7	956.3	1017.5	1080.7	1146.0	1207.1
150°	725.9	734.1	758.5	815.6	882.9	913.5	944.1	1001.2	1058.3	1115.4	1168.4
152.5°	738.2	744.3	764.7	809.5	870.7	899.2	927.8	982.8	1035.9	1086.8	1133.7
155°	748.3	754.5	768.7	805.4	856.4	882.9	909.4	962.5	1011.4	1056.3	1099.1
157.5°	758.5	762.6	772.8	799.3	840.1	864.6	889.0	935.9	980.8	1025.7	1060.3
160°	766.7	768.7	776.9	797.3	825.8	844.2	866.6	909.4	950.2	989.0	1021.6
162.5°	774.9	774.9	781.0	793.2	813.6	825.8	842.1	878.8	915.6	950.2	980.8
165°	778.9	778.9	783.0	791.2	803.4	811.6	821.8	846.2	874.8	905.4	933.9
167.5°	783.0	783.0	785.1	789.1	797.3	801.4	805.4	821.8	840.1	862.5	885.0
170°	787.1	785.1	785.1	789.1	791.2	793.2	795.2	803.4	811.6	825.8	838.1
172.5°	787.1	785.1	785.1	787.1	787.1	787.1	787.1	789.1	791.2	799.3	803.4
175°	787.1	785.1	785.1	785.1	785.1	783.0	783.0	783.0	783.0	783.0	785.1
177.5°	787.1	785.1	783.0	783.0	781.0	781.0	778.9	778.9	776.9	776.9	776.9
180°	772.8	772.8	772.8	772.8	772.8	772.8	772.8	772.8	772.8	772.8	772.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	575.0	575.0	575.0	575.0	575.0	575.0	575.0	575.0	575.0	575.0
2.5°	577.1	577.1	575.0	575.0	573.0	573.0	570.9	568.9	566.9	566.9
5°	579.1	577.1	575.0	575.0	575.0	573.0	573.0	573.0	570.9	570.9
7.5°	579.1	579.1	579.1	577.1	577.1	577.1	577.1	577.1	575.0	575.0
10°	581.1	581.1	581.1	581.1	581.1	581.1	581.1	579.1	579.1	579.1
12.5°	581.1	581.1	581.1	583.2	583.2	583.2	583.2	583.2	583.2	583.2
15°	583.2	583.2	585.2	585.2	587.3	587.3	589.3	589.3	589.3	587.3
17.5°	581.1	583.2	585.2	587.3	589.3	589.3	591.3	591.3	591.3	591.3
20°	581.1	585.2	587.3	589.3	591.3	591.3	593.4	595.4	595.4	593.4
22.5°	579.1	583.2	585.2	589.3	591.3	591.3	595.4	595.4	595.4	595.4
25°	577.1	581.1	585.2	589.3	591.3	591.3	595.4	595.4	597.5	597.5
27.5°	573.0	577.1	583.2	587.3	589.3	591.3	593.4	595.4	595.4	595.4
30°	566.9	573.0	579.1	583.2	585.2	587.3	589.3	591.3	593.4	593.4
32.5°	558.7	564.8	570.9	577.1	579.1	581.1	585.2	587.3	587.3	587.3
35°	550.6	556.7	562.8	568.9	570.9	573.0	577.1	579.1	581.1	581.1
37.5°	538.3	544.4	550.6	556.7	558.7	562.8	566.9	568.9	568.9	568.9
40°	520.0	530.2	538.3	544.4	546.5	550.6	552.6	556.7	556.7	556.7
42.5°	503.7	511.8	517.9	526.1	528.1	534.2	538.3	540.4	542.4	542.4
45°	485.3	493.5	499.6	505.7	507.7	511.8	515.9	517.9	520.0	522.0
47.5°	467.0	473.1	479.2	485.3	487.3	491.4	495.5	497.5	499.6	499.6
50°	444.5	450.6	456.8	462.9	464.9	469.0	471.0	473.1	475.1	475.1
52.5°	420.1	426.2	432.3	438.4	440.4	442.5	446.6	448.6	450.6	450.6
55°	395.6	401.7	405.8	411.9	413.9	416.0	418.0	422.1	424.1	422.1
57.5°	367.0	373.2	377.2	383.3	385.4	387.4	389.5	391.5	393.5	393.5
60°	336.5	342.6	348.7	352.8	354.8	356.8	358.9	360.9	363.0	363.0
62.5°	305.9	312.0	316.1	322.2	324.2	324.2	326.3	328.3	330.3	330.3
65°	275.3	281.4	283.4	289.6	289.6	291.6	293.6	295.7	295.7	295.7
67.5°	242.7	248.8	250.8	254.9	254.9	256.9	259.0	261.0	261.0	261.0
70°	212.1	214.1	218.2	220.2	222.3	222.3	224.3	226.3	228.4	226.3
72.5°	179.4	181.5	185.6	187.6	187.6	189.6	189.6	191.7	193.7	193.7
75°	146.8	150.9	152.9	155.0	157.0	157.0	159.0	161.1	161.1	161.1
77.5°	116.2	120.3	122.3	124.4	126.4	126.4	128.5	128.5	130.5	128.5
80°	89.7	91.8	93.8	95.8	97.9	97.9	99.9	102.0	102.0	102.0
82.5°	65.3	67.3	71.4	73.4	73.4	73.4	77.5	77.5	79.5	77.5
85°	44.9	46.9	51.0	53.0	55.1	55.1	55.1	57.1	59.1	57.1
87.5°	28.5	32.6	34.7	36.7	36.7	36.7	38.7	40.8	40.8	40.8
90°	16.3	16.3	18.4	20.4	20.4	22.4	22.4	24.5	24.5	24.5
92.5°	16.3	18.4	18.4	18.4	20.4	20.4	20.4	22.4	22.4	22.4
95°	138.7	99.9	57.1	44.9	38.7	38.7	36.7	38.7	36.7	36.7
97.5°	420.1	454.7	471.0	493.5	505.7	503.7	495.5	503.7	497.5	503.7
100°	597.5	630.1	654.5	660.7	672.9	679.0	701.4	717.8	725.9	736.1
102.5°	742.2	781.0	809.5	825.8	838.1	846.2	872.7	897.2	909.4	917.6
105°	874.8	915.6	950.2	966.5	980.8	989.0	1017.5	1046.1	1064.4	1074.6
107.5°	980.8	1027.7	1064.4	1088.9	1103.1	1117.4	1152.1	1180.6	1203.1	1213.3
110°	1076.6	1123.5	1162.3	1190.8	1207.1	1221.4	1260.2	1292.8	1317.3	1329.5



TEST NUMBER: P395469

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1156.2	1207.1	1245.9	1276.5	1292.8	1313.2	1349.9	1386.6	1411.1	1425.3
115°	1221.4	1274.4	1315.2	1347.8	1366.2	1384.5	1427.4	1464.1	1488.5	1498.7
117.5°	1276.5	1329.5	1372.3	1404.9	1425.3	1445.7	1488.5	1521.2	1547.7	1555.8
120°	1321.3	1374.3	1417.2	1453.9	1474.3	1492.6	1533.4	1568.1	1592.5	1598.6
122.5°	1351.9	1407.0	1451.8	1492.6	1511.0	1529.3	1568.1	1602.7	1625.2	1631.3
125°	1374.3	1431.4	1476.3	1519.1	1537.5	1555.8	1592.5	1627.2	1645.5	1653.7
127.5°	1388.6	1445.7	1494.7	1535.4	1555.8	1572.1	1608.8	1639.4	1657.8	1663.9
130°	1392.7	1451.8	1500.8	1543.6	1561.9	1578.3	1612.9	1643.5	1659.8	1663.9
132.5°	1392.7	1449.8	1500.8	1541.6	1559.9	1576.2	1608.8	1637.4	1653.7	1657.8
135°	1384.5	1439.6	1490.6	1531.4	1549.7	1566.0	1598.6	1623.1	1639.4	1641.5
137.5°	1370.3	1423.3	1472.2	1513.0	1531.4	1547.7	1576.2	1602.7	1617.0	1621.1
140°	1351.9	1400.9	1449.8	1488.5	1506.9	1521.2	1549.7	1572.1	1586.4	1590.5
142.5°	1327.5	1376.4	1421.2	1460.0	1474.3	1490.6	1515.0	1537.5	1549.7	1553.8
145°	1300.9	1347.8	1388.6	1423.3	1439.6	1453.9	1476.3	1496.7	1508.9	1513.0
147.5°	1266.3	1313.2	1351.9	1384.5	1398.8	1413.1	1433.5	1451.8	1464.1	1468.1
150°	1223.5	1266.3	1307.1	1337.6	1351.9	1366.2	1386.6	1402.9	1415.1	1417.2
152.5°	1180.6	1221.4	1256.1	1286.7	1300.9	1315.2	1333.6	1349.9	1364.2	1364.2
155°	1139.9	1174.5	1207.1	1233.7	1245.9	1258.1	1276.5	1290.7	1303.0	1303.0
157.5°	1097.0	1129.7	1156.2	1180.6	1190.8	1201.0	1217.3	1229.6	1239.8	1237.7
160°	1056.3	1080.7	1105.2	1125.6	1135.8	1143.9	1156.2	1166.4	1176.6	1174.5
162.5°	1011.4	1033.8	1054.2	1068.5	1076.6	1082.8	1095.0	1105.2	1111.3	1111.3
165°	960.4	980.8	999.2	1013.4	1021.6	1025.7	1035.9	1042.0	1048.1	1048.1
167.5°	907.4	923.7	940.0	952.3	960.4	964.5	974.7	978.8	986.9	984.9
170°	854.4	866.6	878.8	889.0	893.1	897.2	905.4	909.4	913.5	913.5
172.5°	811.6	815.6	821.8	829.9	829.9	832.0	836.0	838.1	840.1	840.1
175°	787.1	789.1	789.1	789.1	789.1	789.1	791.2	789.1	791.2	789.1
177.5°	776.9	776.9	774.9	774.9	772.8	774.9	772.8	770.8	770.8	768.7
180°	772.8	772.8	772.8	772.8	772.8	772.8	772.8	772.8	772.8	772.8

(END OF REPORT)