

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: P395440

Luminaire Tested: **I3-CL-60L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395440
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-60L82765-1D-UNV-W2A-W-4 (3500K)
Description: CORELITE I3, CLEAR TOP COVER
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5433.5 lumens
Efficiency: N/A
Efficacy: 122.7 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

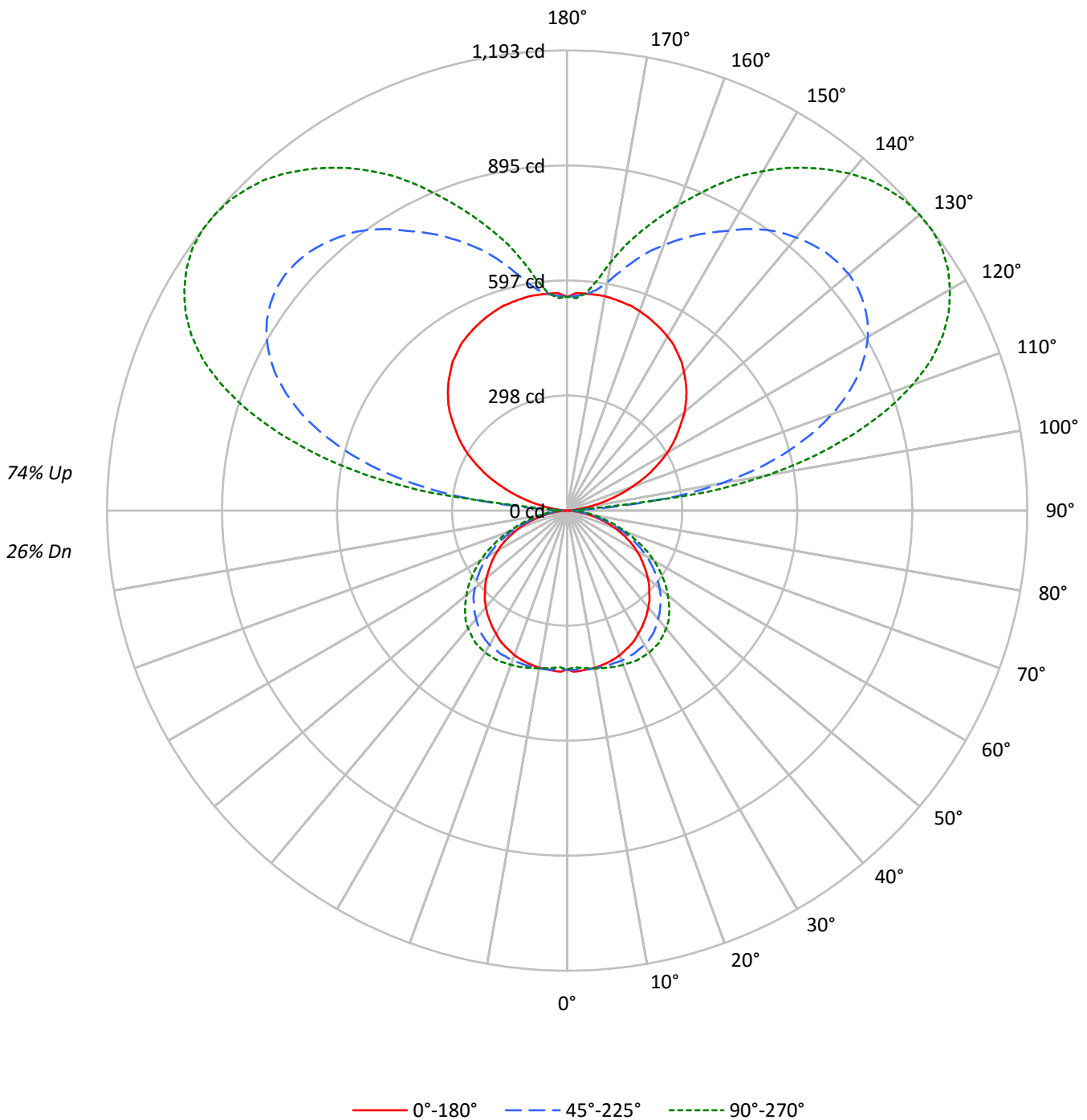
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (3500K)

Luminous Intensity Polar Plot





TEST NUMBER: P395440

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (3500K)

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°	2266	2266	2266
5°	2291	2231	2195
10°	2292	2214	2189
15°	2295	2206	2200
20°	2299	2207	2220
25°	2295	2209	2249
30°	2283	2213	2265
35°	2277	2200	2267
40°	2269	2153	2238
45°	2246	2101	2182
50°	2225	2032	2085
55°	2180	1930	1965
60°	2125	1794	1814
65°	2039	1611	1608
70°	1894	1372	1361
75°	1635	1091	1093
80°	1267	775	801
85°	742	479	536



TEST NUMBER: P395440

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.5	0.7
10°-20°	117.2	2.2
20°-30°	187.9	3.5
30°-40°	240.3	4.4
40°-50°	262.0	4.8
50°-60°	245.5	4.5
60°-70°	190.5	3.5
70°-80°	109.2	2.0
80°-90°	34.9	0.6
90°-100°	140.1	2.6
100°-110°	544.8	10.0
110°-120°	741.7	13.6
120°-130°	769.9	14.2
130°-140°	682.9	12.6
140°-150°	529.9	9.8
150°-160°	353.6	6.5
160°-170°	188.5	3.5
170°-180°	55.1	1.0
0°-30°	344.6	6.3
0°-40°	584.9	10.8
0°-60°	1092.5	20.1
0°-90°	1427.1	26.3
90°-120°	1426.6	26.3
90°-150°	3409.2	62.7
90°-180°	4006.0	73.7
0°-180°	5433.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	412	412	412	412	412	
5°	417	412	414	412	409	40
15°	408	406	415	421	421	115
25°	386	389	409	424	428	178
35°	350	357	389	409	417	219
45°	301	314	342	364	374	233
55°	241	254	278	297	303	216
65°	171	178	194	208	212	169
75°	89	94	102	113	116	95
85°	18	20	31	40	41	21
90°	2	4	10	15	18	2
95°	18	99	136	28	26	23
105°	116	350	592	703	770	123
115°	241	540	833	980	1075	238
125°	350	636	939	1102	1186	313
135°	437	670	948	1111	1177	337
145°	499	670	889	1032	1085	312
155°	537	633	788	893	934	248
165°	558	582	670	732	752	158
175°	564	562	563	566	566	54
180°	554	554	554	554	554	



TEST NUMBER: P395440

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	412.3	412.3	412.3	412.3	412.3	412.3	412.3	412.3	412.3	412.3	412.3
2.5°	418.2	416.7	416.7	413.8	413.8	412.3	412.3	412.3	412.3	412.3	413.8
5°	416.7	416.7	415.2	413.8	413.8	412.3	412.3	412.3	412.3	412.3	413.8
7.5°	415.2	415.2	413.8	412.3	412.3	412.3	412.3	412.3	412.3	412.3	415.2
10°	413.8	413.8	412.3	410.9	410.9	410.9	410.9	412.3	412.3	412.3	415.2
12.5°	410.9	409.4	409.4	407.9	407.9	407.9	409.4	409.4	410.9	412.3	415.2
15°	407.9	407.9	406.5	405.0	406.5	406.5	406.5	407.9	409.4	410.9	415.2
17.5°	403.6	403.6	402.1	402.1	402.1	403.6	403.6	405.0	407.9	410.9	413.8
20°	399.2	397.7	397.7	397.7	399.2	399.2	400.6	403.6	405.0	409.4	413.8
22.5°	391.9	393.3	391.9	391.9	393.3	394.8	396.2	399.2	402.1	406.5	410.9
25°	386.0	386.0	386.0	386.0	388.9	388.9	391.9	394.8	399.2	403.6	409.4
27.5°	378.7	378.7	378.7	380.2	381.6	383.1	384.5	388.9	393.3	399.2	405.0
30°	368.5	368.5	368.5	368.5	372.8	374.3	377.2	383.1	387.5	394.8	402.1
32.5°	359.7	359.7	359.7	361.1	364.1	365.5	368.5	375.8	381.6	388.9	396.2
35°	349.5	349.5	350.9	350.9	355.3	356.8	359.7	365.5	371.4	380.2	388.9
37.5°	339.2	339.2	340.7	342.1	345.1	348.0	350.9	356.8	362.6	369.9	378.7
40°	327.5	327.5	329.0	330.4	334.8	337.8	340.7	346.5	352.4	359.7	367.0
42.5°	315.8	315.8	317.3	318.7	323.1	326.1	329.0	336.3	342.1	349.5	355.3
45°	301.2	302.7	304.1	307.0	311.4	314.4	317.3	323.1	330.4	336.3	342.1
47.5°	288.0	289.5	291.0	293.9	298.3	301.2	304.1	310.0	315.8	321.7	329.0
50°	273.4	274.9	276.3	279.3	283.7	286.6	289.5	295.4	301.2	305.6	312.9
52.5°	257.3	258.8	260.3	263.2	269.0	270.5	273.4	279.3	283.7	289.5	295.4
55°	241.3	242.7	244.2	247.1	251.5	254.4	255.9	261.7	266.1	272.0	277.8
57.5°	225.2	226.6	228.1	231.0	233.9	236.9	238.3	242.7	248.6	253.0	258.8
60°	207.6	209.1	210.5	212.0	216.4	217.9	219.3	223.7	228.1	233.9	238.3
62.5°	190.1	190.1	191.5	193.0	197.4	198.9	200.3	203.2	209.1	212.0	216.4
65°	171.1	171.1	172.5	174.0	176.9	178.4	179.8	182.8	187.2	190.1	194.5
67.5°	150.6	150.6	152.1	153.5	156.4	157.9	157.9	162.3	165.2	168.1	171.1
70°	131.6	131.6	133.1	133.1	134.5	136.0	137.4	140.4	141.8	146.2	147.7
72.5°	111.1	111.1	111.1	111.1	114.0	114.0	115.5	118.4	119.9	122.8	125.7
75°	89.2	89.2	90.7	90.7	92.1	93.6	95.0	96.5	99.4	100.9	102.3
77.5°	70.2	68.7	70.2	71.6	73.1	73.1	74.6	76.0	77.5	80.4	81.9
80°	49.7	49.7	49.7	51.2	52.6	52.6	54.1	55.6	57.0	59.9	61.4
82.5°	32.2	32.2	33.6	33.6	35.1	36.6	36.6	38.0	39.5	42.4	43.9
85°	17.5	17.5	17.5	19.0	20.5	20.5	21.9	23.4	26.3	27.8	30.7
87.5°	5.8	5.8	7.3	8.8	10.2	10.2	11.7	13.2	14.6	17.5	19.0
90°	1.5	1.5	1.5	2.9	2.9	4.4	4.4	5.8	7.3	8.8	10.2
92.5°	5.8	10.2	16.1	23.4	21.9	23.4	16.1	10.2	10.2	10.2	11.7
95°	17.5	26.3	42.4	67.3	87.7	99.4	109.7	119.9	140.4	141.8	136.0
97.5°	35.1	48.3	77.5	109.7	146.2	165.2	179.8	210.5	242.7	263.2	288.0
100°	58.5	77.5	115.5	159.4	201.8	226.6	250.0	293.9	333.4	368.5	406.5
102.5°	86.3	108.2	155.0	209.1	261.7	289.5	314.4	365.5	419.6	466.4	507.4
105°	115.5	140.4	195.9	257.3	317.3	349.5	380.2	435.7	492.7	543.9	592.2
107.5°	147.7	174.0	233.9	302.7	369.9	406.5	440.1	500.1	560.0	615.6	666.7
110°	178.4	207.6	270.5	345.1	421.1	457.6	491.3	557.1	619.9	678.4	732.5



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CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	210.5	241.3	304.1	386.0	463.5	501.5	536.6	606.8	672.6	732.5	786.6
115°	241.3	270.5	336.3	421.1	500.1	539.5	577.5	649.2	717.9	777.9	833.4
117.5°	270.5	298.3	365.5	450.3	532.2	571.7	609.7	684.3	753.0	815.9	870.0
120°	299.7	324.6	397.7	475.2	558.5	598.0	637.5	712.1	782.2	845.1	900.7
122.5°	326.1	349.5	421.1	497.1	579.0	619.9	658.0	734.0	805.6	868.5	922.6
125°	349.5	371.4	443.0	514.7	596.6	636.0	675.5	750.1	821.7	883.1	938.7
127.5°	372.8	394.8	459.1	532.2	608.3	649.2	687.2	761.8	832.0	894.8	948.9
130°	397.7	413.8	475.2	548.3	619.9	658.0	697.4	769.1	837.8	899.2	953.3
132.5°	418.2	432.8	491.3	561.5	628.7	665.3	700.4	772.0	840.7	899.2	951.9
135°	437.2	448.9	503.0	573.2	636.0	669.7	703.3	770.5	837.8	896.3	947.5
137.5°	454.7	466.4	513.2	581.9	641.9	671.1	703.3	766.2	830.5	889.0	937.2
140°	470.8	479.6	522.0	586.3	644.8	672.6	700.4	758.9	818.8	875.8	924.1
142.5°	486.9	494.2	529.3	589.2	646.3	672.6	698.9	750.1	805.6	861.2	909.5
145°	498.6	505.9	535.1	590.7	644.8	669.7	693.1	741.3	791.0	842.2	889.0
147.5°	511.7	517.6	541.0	587.8	640.4	663.8	685.7	729.6	774.9	821.7	865.6
150°	520.5	526.4	543.9	584.9	633.1	655.0	677.0	717.9	758.9	799.8	837.8
152.5°	529.3	533.7	548.3	580.5	624.3	644.8	665.3	704.8	742.8	779.3	813.0
155°	536.6	541.0	551.2	577.5	614.1	633.1	652.1	690.1	725.2	757.4	788.1
157.5°	543.9	546.8	554.2	573.2	602.4	619.9	637.5	671.1	703.3	735.5	760.3
160°	549.8	551.2	557.1	571.7	592.2	605.3	621.4	652.1	681.4	709.1	732.5
162.5°	555.6	555.6	560.0	568.8	583.4	592.2	603.9	630.2	656.5	681.4	703.3
165°	558.5	558.5	561.5	567.3	576.1	581.9	589.2	606.8	627.3	649.2	669.7
167.5°	561.5	561.5	562.9	565.8	571.7	574.6	577.5	589.2	602.4	618.5	634.6
170°	564.4	562.9	562.9	565.8	567.3	568.8	570.2	576.1	581.9	592.2	600.9
172.5°	564.4	562.9	562.9	564.4	564.4	564.4	564.4	565.8	567.3	573.2	576.1
175°	564.4	562.9	562.9	562.9	562.9	561.5	561.5	561.5	561.5	561.5	562.9
177.5°	564.4	562.9	561.5	561.5	560.0	560.0	558.5	558.5	557.1	557.1	557.1
180°	554.2	554.2	554.2	554.2	554.2	554.2	554.2	554.2	554.2	554.2	554.2



TEST NUMBER: P395440

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	412.3	412.3	412.3	412.3	412.3	412.3	412.3	412.3	412.3	412.3
2.5°	413.8	413.8	412.3	412.3	410.9	410.9	409.4	407.9	406.5	406.5
5°	415.2	413.8	412.3	412.3	412.3	410.9	410.9	410.9	409.4	409.4
7.5°	415.2	415.2	415.2	413.8	413.8	413.8	413.8	413.8	412.3	412.3
10°	416.7	416.7	416.7	416.7	416.7	416.7	416.7	415.2	415.2	415.2
12.5°	416.7	416.7	416.7	418.2	418.2	418.2	418.2	418.2	418.2	418.2
15°	418.2	418.2	419.6	419.6	421.1	421.1	422.6	422.6	422.6	421.1
17.5°	416.7	418.2	419.6	421.1	422.6	422.6	424.0	424.0	424.0	424.0
20°	416.7	419.6	421.1	422.6	424.0	424.0	425.5	426.9	426.9	425.5
22.5°	415.2	418.2	419.6	422.6	424.0	424.0	426.9	426.9	426.9	426.9
25°	413.8	416.7	419.6	422.6	424.0	424.0	426.9	426.9	428.4	428.4
27.5°	410.9	413.8	418.2	421.1	422.6	424.0	425.5	426.9	426.9	426.9
30°	406.5	410.9	415.2	418.2	419.6	421.1	422.6	424.0	425.5	425.5
32.5°	400.6	405.0	409.4	413.8	415.2	416.7	419.6	421.1	421.1	421.1
35°	394.8	399.2	403.6	407.9	409.4	410.9	413.8	415.2	416.7	416.7
37.5°	386.0	390.4	394.8	399.2	400.6	403.6	406.5	407.9	407.9	407.9
40°	372.8	380.2	386.0	390.4	391.9	394.8	396.2	399.2	399.2	399.2
42.5°	361.1	367.0	371.4	377.2	378.7	383.1	386.0	387.5	388.9	388.9
45°	348.0	353.8	358.2	362.6	364.1	367.0	369.9	371.4	372.8	374.3
47.5°	334.8	339.2	343.6	348.0	349.5	352.4	355.3	356.8	358.2	358.2
50°	318.7	323.1	327.5	331.9	333.4	336.3	337.8	339.2	340.7	340.7
52.5°	301.2	305.6	310.0	314.4	315.8	317.3	320.2	321.7	323.1	323.1
55°	283.7	288.0	291.0	295.4	296.8	298.3	299.7	302.7	304.1	302.7
57.5°	263.2	267.6	270.5	274.9	276.3	277.8	279.3	280.7	282.2	282.2
60°	241.3	245.6	250.0	253.0	254.4	255.9	257.3	258.8	260.3	260.3
62.5°	219.3	223.7	226.6	231.0	232.5	232.5	233.9	235.4	236.9	236.9
65°	197.4	201.8	203.2	207.6	207.6	209.1	210.5	212.0	212.0	212.0
67.5°	174.0	178.4	179.8	182.8	182.8	184.2	185.7	187.2	187.2	187.2
70°	152.1	153.5	156.4	157.9	159.4	159.4	160.8	162.3	163.8	162.3
72.5°	128.7	130.1	133.1	134.5	134.5	136.0	136.0	137.4	138.9	138.9
75°	105.3	108.2	109.7	111.1	112.6	112.6	114.0	115.5	115.5	115.5
77.5°	83.3	86.3	87.7	89.2	90.7	90.7	92.1	92.1	93.6	92.1
80°	64.3	65.8	67.3	68.7	70.2	70.2	71.6	73.1	73.1	73.1
82.5°	46.8	48.3	51.2	52.6	52.6	52.6	55.6	55.6	57.0	55.6
85°	32.2	33.6	36.6	38.0	39.5	39.5	39.5	40.9	42.4	40.9
87.5°	20.5	23.4	24.9	26.3	26.3	26.3	27.8	29.2	29.2	29.2
90°	11.7	11.7	13.2	14.6	14.6	16.1	16.1	17.5	17.5	17.5
92.5°	11.7	13.2	13.2	13.2	14.6	14.6	14.6	16.1	16.1	16.1
95°	99.4	71.6	40.9	32.2	27.8	27.8	26.3	27.8	26.3	26.3
97.5°	301.2	326.1	337.8	353.8	362.6	361.1	355.3	361.1	356.8	361.1
100°	428.4	451.8	469.3	473.7	482.5	486.9	503.0	514.7	520.5	527.8
102.5°	532.2	560.0	580.5	592.2	600.9	606.8	625.8	643.3	652.1	658.0
105°	627.3	656.5	681.4	693.1	703.3	709.1	729.6	750.1	763.2	770.5
107.5°	703.3	736.9	763.2	780.8	791.0	801.3	826.1	846.6	862.7	870.0
110°	772.0	805.6	833.4	853.9	865.6	875.8	903.6	927.0	944.5	953.3



TEST NUMBER: P395440

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	829.0	865.6	893.4	915.3	927.0	941.6	967.9	994.3	1011.8	1022.0
115°	875.8	913.8	943.1	966.5	979.6	992.8	1023.5	1049.8	1067.4	1074.7
117.5°	915.3	953.3	984.0	1007.4	1022.0	1036.7	1067.4	1090.8	1109.8	1115.6
120°	947.5	985.5	1016.2	1042.5	1057.1	1070.3	1099.5	1124.4	1141.9	1146.3
122.5°	969.4	1008.9	1041.0	1070.3	1083.4	1096.6	1124.4	1149.2	1165.3	1169.7
125°	985.5	1026.4	1058.6	1089.3	1102.5	1115.6	1141.9	1166.8	1179.9	1185.8
127.5°	995.7	1036.7	1071.7	1101.0	1115.6	1127.3	1153.6	1175.6	1188.7	1193.1
130°	998.6	1041.0	1076.1	1106.8	1120.0	1131.7	1156.6	1178.5	1190.2	1193.1
132.5°	998.6	1039.6	1076.1	1105.4	1118.5	1130.2	1153.6	1174.1	1185.8	1188.7
135°	992.8	1032.3	1068.8	1098.1	1111.2	1122.9	1146.3	1163.9	1175.6	1177.0
137.5°	982.6	1020.6	1055.7	1084.9	1098.1	1109.8	1130.2	1149.2	1159.5	1162.4
140°	969.4	1004.5	1039.6	1067.4	1080.5	1090.8	1111.2	1127.3	1137.5	1140.5
142.5°	951.9	986.9	1019.1	1046.9	1057.1	1068.8	1086.4	1102.5	1111.2	1114.2
145°	932.8	966.5	995.7	1020.6	1032.3	1042.5	1058.6	1073.2	1082.0	1084.9
147.5°	908.0	941.6	969.4	992.8	1003.0	1013.3	1027.9	1041.0	1049.8	1052.7
150°	877.3	908.0	937.2	959.2	969.4	979.6	994.3	1006.0	1014.7	1016.2
152.5°	846.6	875.8	900.7	922.6	932.8	943.1	956.2	967.9	978.2	978.2
155°	817.3	842.2	865.6	884.6	893.4	902.1	915.3	925.5	934.3	934.3
157.5°	786.6	810.0	829.0	846.6	853.9	861.2	872.9	881.7	889.0	887.5
160°	757.4	774.9	792.5	807.1	814.4	820.3	829.0	836.3	843.7	842.2
162.5°	725.2	741.3	755.9	766.2	772.0	776.4	785.2	792.5	796.9	796.9
165°	688.7	703.3	716.4	726.7	732.5	735.5	742.8	747.2	751.5	751.5
167.5°	650.7	662.3	674.0	682.8	688.7	691.6	698.9	701.8	707.7	706.2
170°	612.6	621.4	630.2	637.5	640.4	643.3	649.2	652.1	655.0	655.0
172.5°	581.9	584.9	589.2	595.1	595.1	596.6	599.5	600.9	602.4	602.4
175°	564.4	565.8	565.8	565.8	565.8	565.8	567.3	565.8	567.3	565.8
177.5°	557.1	557.1	555.6	555.6	554.2	555.6	554.2	552.7	552.7	551.2
180°	554.2	554.2	554.2	554.2	554.2	554.2	554.2	554.2	554.2	554.2

(END OF REPORT)