

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: P395456

Luminaire Tested: **I3-CL-60L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395456
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-60L92765-1D-UNV-W2A-W-4 (5000K)
Description: CORELITE I3, CLEAR TOP COVER
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5138.8 lumens
Efficiency: N/A
Efficacy: 113.9 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

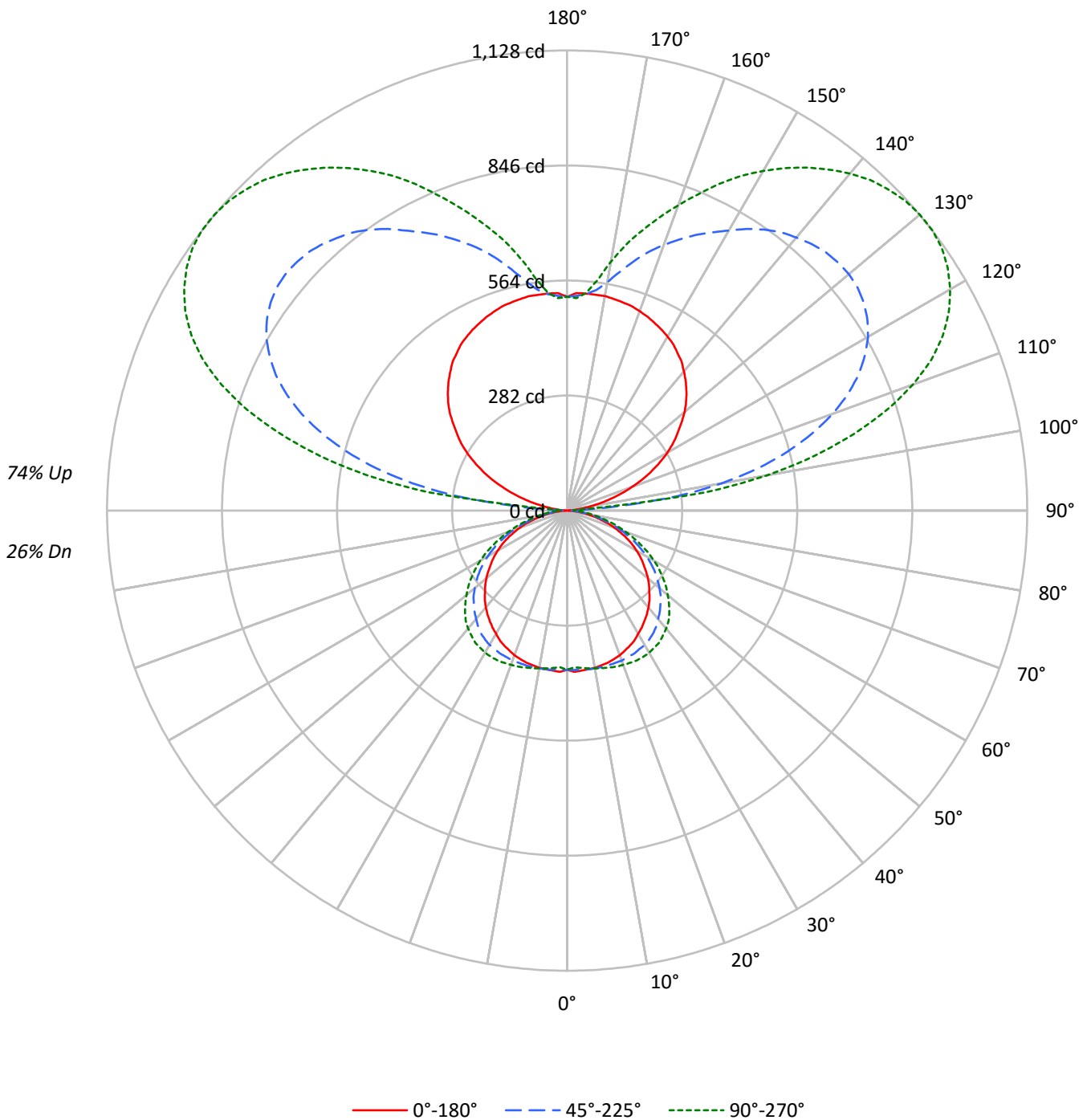
Input Watts (W): 45.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-60L92765-1D-UNV-W2A-W-4 (5000K)

Luminous Intensity Polar Plot





TEST NUMBER: P395456

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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°	2144	2144	2144
5°	2166	2110	2076
10°	2168	2094	2070
15°	2171	2086	2081
20°	2174	2087	2099
25°	2171	2089	2127
30°	2159	2093	2142
35°	2153	2081	2144
40°	2146	2036	2117
45°	2124	1987	2064
50°	2105	1922	1972
55°	2062	1825	1858
60°	2011	1697	1715
65°	1928	1523	1521
70°	1791	1298	1288
75°	1547	1032	1033
80°	1198	733	757
85°	704	453	507



TEST NUMBER: P395456

CATALOG NUMBER: I3-CL-60L92765-1D-UNV-W2A-W-4 (5000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.3	0.7
10°-20°	110.8	2.2
20°-30°	177.7	3.5
30°-40°	227.3	4.4
40°-50°	247.8	4.8
50°-60°	232.2	4.5
60°-70°	180.2	3.5
70°-80°	103.3	2.0
80°-90°	33.0	0.6
90°-100°	132.5	2.6
100°-110°	515.2	10.0
110°-120°	701.4	13.6
120°-130°	728.1	14.2
130°-140°	645.9	12.6
140°-150°	501.1	9.8
150°-160°	334.4	6.5
160°-170°	178.3	3.5
170°-180°	52.2	1.0
0°-30°	325.9	6.3
0°-40°	553.2	10.8
0°-60°	1033.2	20.1
0°-90°	1349.7	26.3
90°-120°	1349.2	26.3
90°-150°	3224.3	62.7
90°-180°	3789.0	73.7
0°-180°	5138.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	390	390	390	390	390	
5°	394	390	391	390	387	38
15°	386	384	393	398	398	109
25°	365	368	387	401	405	168
35°	330	337	368	387	394	207
45°	285	297	324	344	354	220
55°	228	241	263	281	286	204
65°	162	169	184	196	200	159
75°	84	88	97	106	109	90
85°	17	19	29	37	39	20
90°	1	4	10	14	17	2
95°	17	94	129	26	25	22
105°	109	330	560	665	729	117
115°	228	510	788	926	1016	225
125°	330	602	888	1043	1122	296
135°	414	633	896	1051	1113	319
145°	472	633	841	976	1026	295
155°	508	599	745	845	884	234
165°	528	550	633	693	711	149
175°	534	531	532	535	535	51
180°	524	524	524	524	524	



TEST NUMBER: P395456

CATALOG NUMBER: I3-CL-60L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	390.0	390.0	390.0	390.0	390.0	390.0	390.0	390.0	390.0	390.0	390.0
2.5°	395.5	394.1	394.1	391.3	391.3	390.0	390.0	390.0	390.0	390.0	391.3
5°	394.1	394.1	392.7	391.3	391.3	390.0	390.0	390.0	390.0	390.0	391.3
7.5°	392.7	392.7	391.3	390.0	390.0	390.0	390.0	390.0	390.0	390.0	392.7
10°	391.3	391.3	390.0	388.6	388.6	388.6	388.6	390.0	390.0	390.0	392.7
12.5°	388.6	387.2	387.2	385.8	385.8	385.8	387.2	387.2	388.6	390.0	392.7
15°	385.8	385.8	384.4	383.0	384.4	384.4	384.4	385.8	387.2	388.6	392.7
17.5°	381.7	381.7	380.3	380.3	380.3	381.7	381.7	383.0	385.8	388.6	391.3
20°	377.5	376.1	376.1	376.1	377.5	377.5	378.9	381.7	383.0	387.2	391.3
22.5°	370.6	372.0	370.6	370.6	372.0	373.4	374.7	377.5	380.3	384.4	388.6
25°	365.1	365.1	365.1	365.1	367.8	367.8	370.6	373.4	377.5	381.7	387.2
27.5°	358.2	358.2	358.2	359.5	360.9	362.3	363.7	367.8	372.0	377.5	383.0
30°	348.5	348.5	348.5	348.5	352.6	354.0	356.8	362.3	366.4	373.4	380.3
32.5°	340.2	340.2	340.2	341.6	344.3	345.7	348.5	355.4	360.9	367.8	374.7
35°	330.5	330.5	331.9	331.9	336.0	337.4	340.2	345.7	351.2	359.5	367.8
37.5°	320.8	320.8	322.2	323.6	326.3	329.1	331.9	337.4	342.9	349.9	358.2
40°	309.8	309.8	311.1	312.5	316.7	319.4	322.2	327.7	333.3	340.2	347.1
42.5°	298.7	298.7	300.1	301.5	305.6	308.4	311.1	318.0	323.6	330.5	336.0
45°	284.9	286.2	287.6	290.4	294.5	297.3	300.1	305.6	312.5	318.0	323.6
47.5°	272.4	273.8	275.2	277.9	282.1	284.9	287.6	293.2	298.7	304.2	311.1
50°	258.6	260.0	261.4	264.1	268.3	271.0	273.8	279.3	284.9	289.0	295.9
52.5°	243.4	244.8	246.1	248.9	254.4	255.8	258.6	264.1	268.3	273.8	279.3
55°	228.2	229.5	230.9	233.7	237.8	240.6	242.0	247.5	251.7	257.2	262.7
57.5°	213.0	214.3	215.7	218.5	221.3	224.0	225.4	229.5	235.1	239.2	244.8
60°	196.4	197.7	199.1	200.5	204.7	206.0	207.4	211.6	215.7	221.3	225.4
62.5°	179.8	179.8	181.1	182.5	186.7	188.1	189.4	192.2	197.7	200.5	204.7
65°	161.8	161.8	163.2	164.6	167.3	168.7	170.1	172.9	177.0	179.8	183.9
67.5°	142.4	142.4	143.8	145.2	148.0	149.3	149.3	153.5	156.3	159.0	161.8
70°	124.5	124.5	125.8	125.8	127.2	128.6	130.0	132.8	134.1	138.3	139.7
72.5°	105.1	105.1	105.1	105.1	107.9	107.9	109.2	112.0	113.4	116.2	118.9
75°	84.4	84.4	85.7	85.7	87.1	88.5	89.9	91.3	94.0	95.4	96.8
77.5°	66.4	65.0	66.4	67.8	69.1	69.1	70.5	71.9	73.3	76.1	77.4
80°	47.0	47.0	47.0	48.4	49.8	49.8	51.2	52.5	53.9	56.7	58.1
82.5°	30.4	30.4	31.8	31.8	33.2	34.6	34.6	36.0	37.3	40.1	41.5
85°	16.6	16.6	16.6	18.0	19.4	19.4	20.7	22.1	24.9	26.3	29.0
87.5°	5.5	5.5	6.9	8.3	9.7	9.7	11.1	12.4	13.8	16.6	18.0
90°	1.4	1.4	1.4	2.8	2.8	4.1	4.1	5.5	6.9	8.3	9.7
92.5°	5.5	9.7	15.2	22.1	20.7	22.1	15.2	9.7	9.7	9.7	11.1
95°	16.6	24.9	40.1	63.6	83.0	94.0	103.7	113.4	132.8	134.1	128.6
97.5°	33.2	45.6	73.3	103.7	138.3	156.3	170.1	199.1	229.5	248.9	272.4
100°	55.3	73.3	109.2	150.7	190.8	214.3	236.5	277.9	315.3	348.5	384.4
102.5°	81.6	102.3	146.6	197.7	247.5	273.8	297.3	345.7	396.9	441.1	479.8
105°	109.2	132.8	185.3	243.4	300.1	330.5	359.5	412.1	466.0	514.4	560.0
107.5°	139.7	164.6	221.3	286.2	349.9	384.4	416.2	472.9	529.6	582.2	630.6
110°	168.7	196.4	255.8	326.3	398.3	432.8	464.6	526.9	586.3	641.6	692.8



TEST NUMBER: P395456

CATALOG NUMBER: I3-CL-60L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	199.1	228.2	287.6	365.1	438.4	474.3	507.5	573.9	636.1	692.8	744.0
115°	228.2	255.8	318.0	398.3	472.9	510.3	546.2	614.0	679.0	735.7	788.2
117.5°	255.8	282.1	345.7	425.9	503.3	540.7	576.6	647.2	712.2	771.6	822.8
120°	283.5	307.0	376.1	449.4	528.2	565.6	602.9	673.4	739.8	799.3	851.8
122.5°	308.4	330.5	398.3	470.2	547.6	586.3	622.3	694.2	761.9	821.4	872.6
125°	330.5	351.2	419.0	486.8	564.2	601.5	638.9	709.4	777.1	835.2	887.8
127.5°	352.6	373.4	434.2	503.3	575.3	614.0	649.9	720.5	786.8	846.3	897.5
130°	376.1	391.3	449.4	518.6	586.3	622.3	659.6	727.4	792.4	850.4	901.6
132.5°	395.5	409.3	464.6	531.0	594.6	629.2	662.4	730.1	795.1	850.4	900.2
135°	413.5	424.5	475.7	542.1	601.5	633.3	665.1	728.7	792.4	847.7	896.1
137.5°	430.1	441.1	485.4	550.4	607.1	634.7	665.1	724.6	785.4	840.8	886.4
140°	445.3	453.6	493.7	554.5	609.8	636.1	662.4	717.7	774.4	828.3	873.9
142.5°	460.5	467.4	500.6	557.3	611.2	636.1	661.0	709.4	761.9	814.5	860.1
145°	471.5	478.5	506.1	558.7	609.8	633.3	655.5	701.1	748.1	796.5	840.8
147.5°	484.0	489.5	511.6	555.9	605.7	627.8	648.5	690.0	732.9	777.1	818.6
150°	492.3	497.8	514.4	553.1	598.8	619.5	640.2	679.0	717.7	756.4	792.4
152.5°	500.6	504.7	518.6	549.0	590.5	609.8	629.2	666.5	702.5	737.0	768.8
155°	507.5	511.6	521.3	546.2	580.8	598.8	616.7	652.7	685.9	716.3	745.3
157.5°	514.4	517.2	524.1	542.1	569.7	586.3	602.9	634.7	665.1	695.6	719.1
160°	519.9	521.3	526.9	540.7	560.0	572.5	587.7	616.7	644.4	670.7	692.8
162.5°	525.5	525.5	529.6	537.9	551.7	560.0	571.1	596.0	620.9	644.4	665.1
165°	528.2	528.2	531.0	536.5	544.8	550.4	557.3	573.9	593.2	614.0	633.3
167.5°	531.0	531.0	532.4	535.2	540.7	543.4	546.2	557.3	569.7	584.9	600.1
170°	533.8	532.4	532.4	535.2	536.5	537.9	539.3	544.8	550.4	560.0	568.3
172.5°	533.8	532.4	532.4	533.8	533.8	533.8	533.8	535.2	536.5	542.1	544.8
175°	533.8	532.4	532.4	532.4	532.4	531.0	531.0	531.0	531.0	531.0	532.4
177.5°	533.8	532.4	531.0	531.0	529.6	529.6	528.2	528.2	526.9	526.9	526.9
180°	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1



TEST NUMBER: P395456

CATALOG NUMBER: I3-CL-60L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	390.0	390.0	390.0	390.0	390.0	390.0	390.0	390.0	390.0	390.0
2.5°	391.3	391.3	390.0	390.0	388.6	388.6	387.2	385.8	384.4	384.4
5°	392.7	391.3	390.0	390.0	390.0	388.6	388.6	388.6	387.2	387.2
7.5°	392.7	392.7	392.7	391.3	391.3	391.3	391.3	391.3	390.0	390.0
10°	394.1	394.1	394.1	394.1	394.1	394.1	394.1	392.7	392.7	392.7
12.5°	394.1	394.1	394.1	395.5	395.5	395.5	395.5	395.5	395.5	395.5
15°	395.5	395.5	396.9	396.9	398.3	398.3	399.6	399.6	399.6	398.3
17.5°	394.1	395.5	396.9	398.3	399.6	399.6	401.0	401.0	401.0	401.0
20°	394.1	396.9	398.3	399.6	401.0	401.0	402.4	403.8	403.8	402.4
22.5°	392.7	395.5	396.9	399.6	401.0	401.0	403.8	403.8	403.8	403.8
25°	391.3	394.1	396.9	399.6	401.0	401.0	403.8	403.8	405.2	405.2
27.5°	388.6	391.3	395.5	398.3	399.6	401.0	402.4	403.8	403.8	403.8
30°	384.4	388.6	392.7	395.5	396.9	398.3	399.6	401.0	402.4	402.4
32.5°	378.9	383.0	387.2	391.3	392.7	394.1	396.9	398.3	398.3	398.3
35°	373.4	377.5	381.7	385.8	387.2	388.6	391.3	392.7	394.1	394.1
37.5°	365.1	369.2	373.4	377.5	378.9	381.7	384.4	385.8	385.8	385.8
40°	352.6	359.5	365.1	369.2	370.6	373.4	374.7	377.5	377.5	377.5
42.5°	341.6	347.1	351.2	356.8	358.2	362.3	365.1	366.4	367.8	367.8
45°	329.1	334.6	338.8	342.9	344.3	347.1	349.9	351.2	352.6	354.0
47.5°	316.7	320.8	325.0	329.1	330.5	333.3	336.0	337.4	338.8	338.8
50°	301.5	305.6	309.8	313.9	315.3	318.0	319.4	320.8	322.2	322.2
52.5°	284.9	289.0	293.2	297.3	298.7	300.1	302.8	304.2	305.6	305.6
55°	268.3	272.4	275.2	279.3	280.7	282.1	283.5	286.2	287.6	286.2
57.5°	248.9	253.1	255.8	260.0	261.4	262.7	264.1	265.5	266.9	266.9
60°	228.2	232.3	236.5	239.2	240.6	242.0	243.4	244.8	246.1	246.1
62.5°	207.4	211.6	214.3	218.5	219.9	219.9	221.3	222.6	224.0	224.0
65°	186.7	190.8	192.2	196.4	196.4	197.7	199.1	200.5	200.5	200.5
67.5°	164.6	168.7	170.1	172.9	172.9	174.2	175.6	177.0	177.0	177.0
70°	143.8	145.2	148.0	149.3	150.7	150.7	152.1	153.5	154.9	153.5
72.5°	121.7	123.1	125.8	127.2	127.2	128.6	128.6	130.0	131.4	131.4
75°	99.6	102.3	103.7	105.1	106.5	106.5	107.9	109.2	109.2	109.2
77.5°	78.8	81.6	83.0	84.4	85.7	85.7	87.1	87.1	88.5	87.1
80°	60.8	62.2	63.6	65.0	66.4	66.4	67.8	69.1	69.1	69.1
82.5°	44.3	45.6	48.4	49.8	49.8	49.8	52.5	52.5	53.9	52.5
85°	30.4	31.8	34.6	36.0	37.3	37.3	37.3	38.7	40.1	38.7
87.5°	19.4	22.1	23.5	24.9	24.9	24.9	26.3	27.7	27.7	27.7
90°	11.1	11.1	12.4	13.8	13.8	15.2	15.2	16.6	16.6	16.6
92.5°	11.1	12.4	12.4	12.4	13.8	13.8	13.8	15.2	15.2	15.2
95°	94.0	67.8	38.7	30.4	26.3	26.3	24.9	26.3	24.9	24.9
97.5°	284.9	308.4	319.4	334.6	342.9	341.6	336.0	341.6	337.4	341.6
100°	405.2	427.3	443.9	448.0	456.3	460.5	475.7	486.8	492.3	499.2
102.5°	503.3	529.6	549.0	560.0	568.3	573.9	591.8	608.4	616.7	622.3
105°	593.2	620.9	644.4	655.5	665.1	670.7	690.0	709.4	721.8	728.7
107.5°	665.1	696.9	721.8	738.4	748.1	757.8	781.3	800.7	815.9	822.8
110°	730.1	761.9	788.2	807.6	818.6	828.3	854.6	876.7	893.3	901.6



TEST NUMBER: P395456

CATALOG NUMBER: I3-CL-60L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	784.1	818.6	844.9	865.6	876.7	890.5	915.4	940.3	956.9	966.6
115°	828.3	864.3	891.9	914.0	926.5	938.9	968.0	992.9	1009.5	1016.4
117.5°	865.6	901.6	930.6	952.8	966.6	980.4	1009.5	1031.6	1049.6	1055.1
120°	896.1	932.0	961.1	986.0	999.8	1012.2	1039.9	1063.4	1080.0	1084.1
122.5°	916.8	954.1	984.6	1012.2	1024.7	1037.1	1063.4	1086.9	1102.1	1106.3
125°	932.0	970.7	1001.2	1030.2	1042.6	1055.1	1080.0	1103.5	1115.9	1121.5
127.5°	941.7	980.4	1013.6	1041.3	1055.1	1066.2	1091.0	1111.8	1124.2	1128.4
130°	944.5	984.6	1017.8	1046.8	1059.2	1070.3	1093.8	1114.6	1125.6	1128.4
132.5°	944.5	983.2	1017.8	1045.4	1057.9	1068.9	1091.0	1110.4	1121.5	1124.2
135°	938.9	976.3	1010.8	1038.5	1050.9	1062.0	1084.1	1100.7	1111.8	1113.2
137.5°	929.3	965.2	998.4	1026.1	1038.5	1049.6	1068.9	1086.9	1096.6	1099.3
140°	916.8	950.0	983.2	1009.5	1021.9	1031.6	1050.9	1066.2	1075.8	1078.6
142.5°	900.2	933.4	963.8	990.1	999.8	1010.8	1027.4	1042.6	1050.9	1053.7
145°	882.2	914.0	941.7	965.2	976.3	986.0	1001.2	1015.0	1023.3	1026.1
147.5°	858.7	890.5	916.8	938.9	948.6	958.3	972.1	984.6	992.9	995.6
150°	829.7	858.7	886.4	907.1	916.8	926.5	940.3	951.4	959.7	961.1
152.5°	800.7	828.3	851.8	872.6	882.2	891.9	904.4	915.4	925.1	925.1
155°	773.0	796.5	818.6	836.6	844.9	853.2	865.6	875.3	883.6	883.6
157.5°	744.0	766.1	784.1	800.7	807.6	814.5	825.5	833.8	840.8	839.4
160°	716.3	732.9	749.5	763.3	770.2	775.8	784.1	791.0	797.9	796.5
162.5°	685.9	701.1	714.9	724.6	730.1	734.3	742.6	749.5	753.6	753.6
165°	651.3	665.1	677.6	687.3	692.8	695.6	702.5	706.6	710.8	710.8
167.5°	615.4	626.4	637.5	645.8	651.3	654.1	661.0	663.8	669.3	667.9
170°	579.4	587.7	596.0	602.9	605.7	608.4	614.0	616.7	619.5	619.5
172.5°	550.4	553.1	557.3	562.8	562.8	564.2	567.0	568.3	569.7	569.7
175°	533.8	535.2	535.2	535.2	535.2	535.2	536.5	535.2	536.5	535.2
177.5°	526.9	526.9	525.5	525.5	524.1	525.5	524.1	522.7	522.7	521.3
180°	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1

(END OF REPORT)