

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: P395455

Luminaire Tested: **I3-CL-60L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395455
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 (4500K)
Description: CORELITE I3, CLEAR TOP COVER
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5038.7 lumens
Efficiency: N/A
Efficacy: 112.2 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

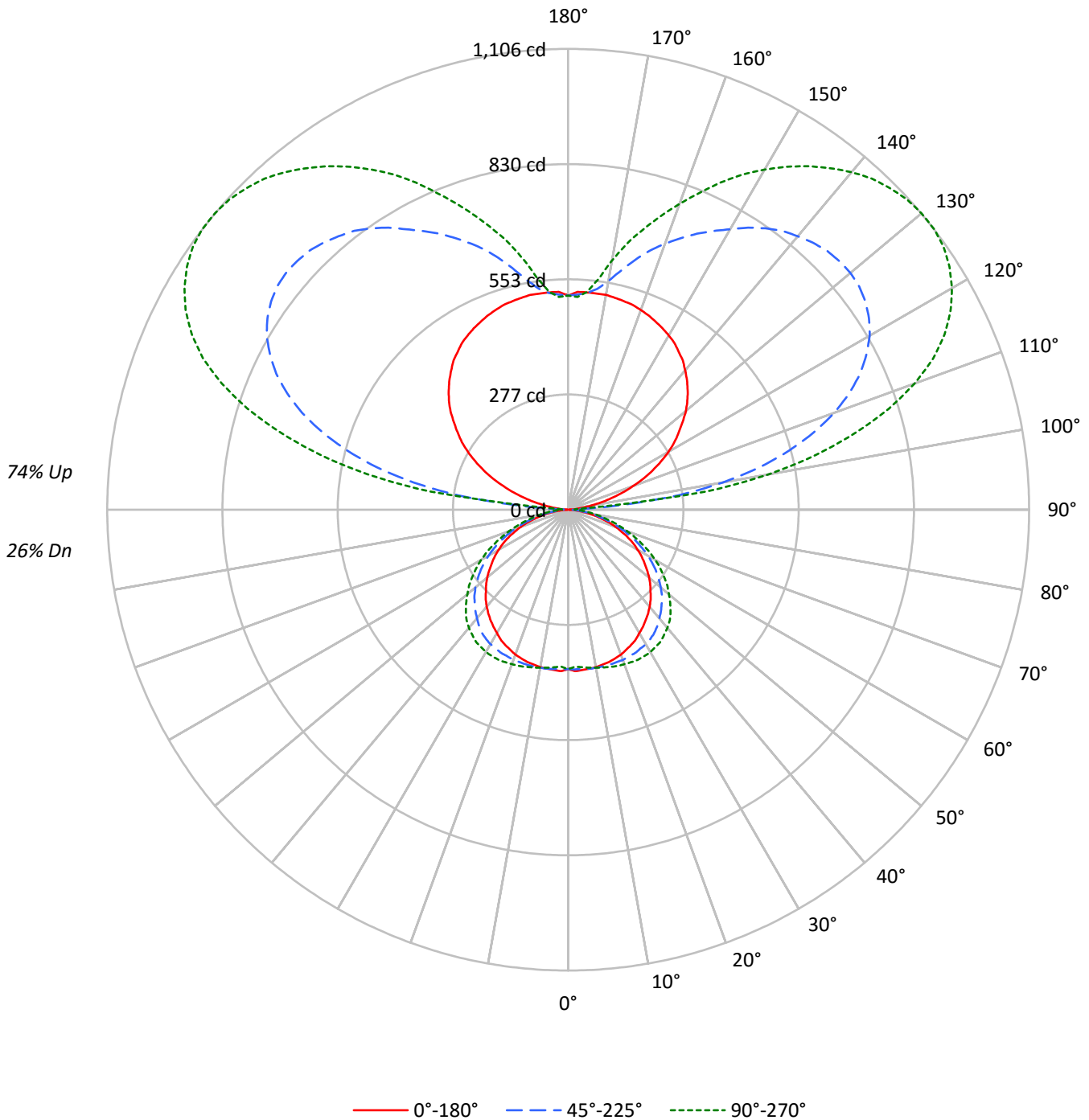
Input Watts (W): 44.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-60L92765-1D-UNV-W2A-W-4 (4500K)

Luminous Intensity Polar Plot





TEST NUMBER: P395455

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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°	2102	2102	2102
5°	2124	2069	2035
10°	2126	2053	2030
15°	2128	2046	2040
20°	2132	2046	2058
25°	2129	2048	2085
30°	2117	2052	2100
35°	2112	2041	2102
40°	2104	1996	2076
45°	2082	1949	2024
50°	2064	1885	1933
55°	2021	1789	1822
60°	1971	1664	1682
65°	1890	1494	1491
70°	1755	1272	1262
75°	1516	1012	1014
80°	1176	718	742
85°	692	445	498



TEST NUMBER: P395455

CATALOG NUMBER: I3-CL-60L92765-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.6	0.7
10°-20°	108.7	2.2
20°-30°	174.3	3.5
30°-40°	222.9	4.4
40°-50°	243.0	4.8
50°-60°	227.7	4.5
60°-70°	176.7	3.5
70°-80°	101.2	2.0
80°-90°	32.4	0.6
90°-100°	130.0	2.6
100°-110°	505.2	10.0
110°-120°	687.8	13.6
120°-130°	713.9	14.2
130°-140°	633.3	12.6
140°-150°	491.4	9.8
150°-160°	327.9	6.5
160°-170°	174.8	3.5
170°-180°	51.1	1.0
0°-30°	319.5	6.3
0°-40°	542.4	10.8
0°-60°	1013.1	20.1
0°-90°	1323.4	26.3
90°-120°	1322.9	26.3
90°-150°	3161.5	62.7
90°-180°	3715.0	73.7
0°-180°	5038.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	382	382	382	382	382	
5°	386	382	384	382	380	37
15°	378	377	385	390	390	107
25°	358	361	380	393	397	165
35°	324	331	361	380	386	203
45°	279	292	317	338	347	216
55°	224	236	258	275	281	200
65°	159	165	180	192	197	156
75°	83	87	95	104	107	88
85°	16	19	28	37	38	20
90°	1	4	10	14	16	2
95°	16	92	126	26	24	21
105°	107	324	549	652	715	114
115°	224	500	773	908	997	220
125°	324	590	870	1022	1100	290
135°	405	621	879	1030	1092	312
145°	462	621	824	957	1006	290
155°	498	587	731	828	866	230
165°	518	540	621	679	697	147
175°	523	521	522	525	525	50
180°	514	514	514	514	514	



TEST NUMBER: P395455

CATALOG NUMBER: I3-CL-60L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	382.4	382.4	382.4	382.4	382.4	382.4	382.4	382.4	382.4	382.4	382.4
2.5°	387.8	386.4	386.4	383.7	383.7	382.4	382.4	382.4	382.4	382.4	383.7
5°	386.4	386.4	385.1	383.7	383.7	382.4	382.4	382.4	382.4	382.4	383.7
7.5°	385.1	385.1	383.7	382.4	382.4	382.4	382.4	382.4	382.4	382.4	385.1
10°	383.7	383.7	382.4	381.0	381.0	381.0	381.0	382.4	382.4	382.4	385.1
12.5°	381.0	379.6	379.6	378.3	378.3	378.3	379.6	379.6	381.0	382.4	385.1
15°	378.3	378.3	376.9	375.6	376.9	376.9	376.9	378.3	379.6	381.0	385.1
17.5°	374.2	374.2	372.9	372.9	372.9	374.2	374.2	375.6	378.3	381.0	383.7
20°	370.2	368.8	368.8	368.8	370.2	370.2	371.5	374.2	375.6	379.6	383.7
22.5°	363.4	364.7	363.4	363.4	364.7	366.1	367.4	370.2	372.9	376.9	381.0
25°	358.0	358.0	358.0	358.0	360.7	360.7	363.4	366.1	370.2	374.2	379.6
27.5°	351.2	351.2	351.2	352.5	353.9	355.2	356.6	360.7	364.7	370.2	375.6
30°	341.7	341.7	341.7	341.7	345.8	347.1	349.8	355.2	359.3	366.1	372.9
32.5°	333.5	333.5	333.5	334.9	337.6	339.0	341.7	348.5	353.9	360.7	367.4
35°	324.1	324.1	325.4	325.4	329.5	330.8	333.5	339.0	344.4	352.5	360.7
37.5°	314.6	314.6	315.9	317.3	320.0	322.7	325.4	330.8	336.3	343.0	351.2
40°	303.7	303.7	305.1	306.4	310.5	313.2	315.9	321.3	326.8	333.5	340.3
42.5°	292.9	292.9	294.2	295.6	299.7	302.4	305.1	311.9	317.3	324.1	329.5
45°	279.3	280.7	282.0	284.7	288.8	291.5	294.2	299.7	306.4	311.9	317.3
47.5°	267.1	268.5	269.8	272.5	276.6	279.3	282.0	287.4	292.9	298.3	305.1
50°	253.6	254.9	256.3	259.0	263.0	265.8	268.5	273.9	279.3	283.4	290.2
52.5°	238.6	240.0	241.3	244.1	249.5	250.8	253.6	259.0	263.0	268.5	273.9
55°	223.7	225.1	226.4	229.1	233.2	235.9	237.3	242.7	246.8	252.2	257.6
57.5°	208.8	210.2	211.5	214.2	216.9	219.7	221.0	225.1	230.5	234.6	240.0
60°	192.5	193.9	195.2	196.6	200.7	202.0	203.4	207.5	211.5	216.9	221.0
62.5°	176.3	176.3	177.6	179.0	183.0	184.4	185.8	188.5	193.9	196.6	200.7
65°	158.6	158.6	160.0	161.4	164.1	165.4	166.8	169.5	173.6	176.3	180.3
67.5°	139.7	139.7	141.0	142.4	145.1	146.4	146.4	150.5	153.2	155.9	158.6
70°	122.0	122.0	123.4	123.4	124.7	126.1	127.5	130.2	131.5	135.6	136.9
72.5°	103.0	103.0	103.0	103.0	105.8	105.8	107.1	109.8	111.2	113.9	116.6
75°	82.7	82.7	84.1	84.1	85.4	86.8	88.1	89.5	92.2	93.6	94.9
77.5°	65.1	63.7	65.1	66.4	67.8	67.8	69.2	70.5	71.9	74.6	75.9
80°	46.1	46.1	46.1	47.5	48.8	48.8	50.2	51.5	52.9	55.6	56.9
82.5°	29.8	29.8	31.2	31.2	32.5	33.9	33.9	35.3	36.6	39.3	40.7
85°	16.3	16.3	16.3	17.6	19.0	19.0	20.3	21.7	24.4	25.8	28.5
87.5°	5.4	5.4	6.8	8.1	9.5	9.5	10.8	12.2	13.6	16.3	17.6
90°	1.4	1.4	1.4	2.7	2.7	4.1	4.1	5.4	6.8	8.1	9.5
92.5°	5.4	9.5	14.9	21.7	20.3	21.7	14.9	9.5	9.5	9.5	10.8
95°	16.3	24.4	39.3	62.4	81.4	92.2	101.7	111.2	130.2	131.5	126.1
97.5°	32.5	44.7	71.9	101.7	135.6	153.2	166.8	195.2	225.1	244.1	267.1
100°	54.2	71.9	107.1	147.8	187.1	210.2	231.9	272.5	309.1	341.7	376.9
102.5°	80.0	100.3	143.7	193.9	242.7	268.5	291.5	339.0	389.1	432.5	470.5
105°	107.1	130.2	181.7	238.6	294.2	324.1	352.5	404.1	456.9	504.4	549.1
107.5°	136.9	161.4	216.9	280.7	343.0	376.9	408.1	463.7	519.3	570.8	618.3
110°	165.4	192.5	250.8	320.0	390.5	424.4	455.6	516.6	574.9	629.1	679.3



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CATALOG NUMBER: I3-CL-60L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	195.2	223.7	282.0	358.0	429.8	465.1	497.6	562.7	623.7	679.3	729.5
115°	223.7	250.8	311.9	390.5	463.7	500.3	535.6	602.0	665.7	721.3	772.9
117.5°	250.8	276.6	339.0	417.6	493.5	530.2	565.4	634.6	698.3	756.6	806.8
120°	278.0	301.0	368.8	440.7	517.9	554.6	591.2	660.3	725.4	783.7	835.2
122.5°	302.4	324.1	390.5	461.0	536.9	574.9	610.1	680.7	747.1	805.4	855.6
125°	324.1	344.4	410.8	477.3	553.2	589.8	626.4	695.6	762.0	819.0	870.5
127.5°	345.8	366.1	425.7	493.5	564.0	602.0	637.3	706.4	771.5	829.8	880.0
130°	368.8	383.7	440.7	508.5	574.9	610.1	646.8	713.2	776.9	833.9	884.0
132.5°	387.8	401.3	455.6	520.7	583.0	616.9	649.5	715.9	779.6	833.9	882.7
135°	405.4	416.3	466.4	531.5	589.8	621.0	652.2	714.6	776.9	831.2	878.6
137.5°	421.7	432.5	475.9	539.6	595.2	622.4	652.2	710.5	770.1	824.4	869.1
140°	436.6	444.7	484.1	543.7	597.9	623.7	649.5	703.7	759.3	812.2	856.9
142.5°	451.5	458.3	490.8	546.4	599.3	623.7	648.1	695.6	747.1	798.6	843.4
145°	462.4	469.1	496.3	547.8	597.9	621.0	642.7	687.4	733.5	781.0	824.4
147.5°	474.6	480.0	501.7	545.1	593.9	615.6	635.9	676.6	718.6	762.0	802.7
150°	482.7	488.1	504.4	542.4	587.1	607.4	627.8	665.7	703.7	741.7	776.9
152.5°	490.8	494.9	508.5	538.3	579.0	597.9	616.9	653.5	688.8	722.7	753.9
155°	497.6	501.7	511.2	535.6	569.5	587.1	604.7	640.0	672.5	702.3	730.8
157.5°	504.4	507.1	513.9	531.5	558.6	574.9	591.2	622.4	652.2	682.0	705.1
160°	509.8	511.2	516.6	530.2	549.1	561.3	576.3	604.7	631.8	657.6	679.3
162.5°	515.2	515.2	519.3	527.4	541.0	549.1	560.0	584.4	608.8	631.8	652.2
165°	517.9	517.9	520.7	526.1	534.2	539.6	546.4	562.7	581.7	602.0	621.0
167.5°	520.7	520.7	522.0	524.7	530.2	532.9	535.6	546.4	558.6	573.5	588.5
170°	523.4	522.0	522.0	524.7	526.1	527.4	528.8	534.2	539.6	549.1	557.3
172.5°	523.4	522.0	522.0	523.4	523.4	523.4	523.4	524.7	526.1	531.5	534.2
175°	523.4	522.0	522.0	522.0	522.0	520.7	520.7	520.7	520.7	520.7	522.0
177.5°	523.4	522.0	520.7	520.7	519.3	519.3	517.9	517.9	516.6	516.6	516.6
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9



TEST NUMBER: P395455

CATALOG NUMBER: I3-CL-60L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	382.4	382.4	382.4	382.4	382.4	382.4	382.4	382.4	382.4	382.4
2.5°	383.7	383.7	382.4	382.4	381.0	381.0	379.6	378.3	376.9	376.9
5°	385.1	383.7	382.4	382.4	382.4	381.0	381.0	381.0	379.6	379.6
7.5°	385.1	385.1	385.1	383.7	383.7	383.7	383.7	383.7	382.4	382.4
10°	386.4	386.4	386.4	386.4	386.4	386.4	386.4	385.1	385.1	385.1
12.5°	386.4	386.4	386.4	387.8	387.8	387.8	387.8	387.8	387.8	387.8
15°	387.8	387.8	389.1	389.1	390.5	390.5	391.9	391.9	391.9	390.5
17.5°	386.4	387.8	389.1	390.5	391.9	391.9	393.2	393.2	393.2	393.2
20°	386.4	389.1	390.5	391.9	393.2	393.2	394.6	395.9	395.9	394.6
22.5°	385.1	387.8	389.1	391.9	393.2	393.2	395.9	395.9	395.9	395.9
25°	383.7	386.4	389.1	391.9	393.2	393.2	395.9	395.9	397.3	397.3
27.5°	381.0	383.7	387.8	390.5	391.9	393.2	394.6	395.9	395.9	395.9
30°	376.9	381.0	385.1	387.8	389.1	390.5	391.9	393.2	394.6	394.6
32.5°	371.5	375.6	379.6	383.7	385.1	386.4	389.1	390.5	390.5	390.5
35°	366.1	370.2	374.2	378.3	379.6	381.0	383.7	385.1	386.4	386.4
37.5°	358.0	362.0	366.1	370.2	371.5	374.2	376.9	378.3	378.3	378.3
40°	345.8	352.5	358.0	362.0	363.4	366.1	367.4	370.2	370.2	370.2
42.5°	334.9	340.3	344.4	349.8	351.2	355.2	358.0	359.3	360.7	360.7
45°	322.7	328.1	332.2	336.3	337.6	340.3	343.0	344.4	345.8	347.1
47.5°	310.5	314.6	318.6	322.7	324.1	326.8	329.5	330.8	332.2	332.2
50°	295.6	299.7	303.7	307.8	309.1	311.9	313.2	314.6	315.9	315.9
52.5°	279.3	283.4	287.4	291.5	292.9	294.2	296.9	298.3	299.7	299.7
55°	263.0	267.1	269.8	273.9	275.2	276.6	278.0	280.7	282.0	280.7
57.5°	244.1	248.1	250.8	254.9	256.3	257.6	259.0	260.3	261.7	261.7
60°	223.7	227.8	231.9	234.6	235.9	237.3	238.6	240.0	241.3	241.3
62.5°	203.4	207.5	210.2	214.2	215.6	215.6	216.9	218.3	219.7	219.7
65°	183.0	187.1	188.5	192.5	192.5	193.9	195.2	196.6	196.6	196.6
67.5°	161.4	165.4	166.8	169.5	169.5	170.8	172.2	173.6	173.6	173.6
70°	141.0	142.4	145.1	146.4	147.8	147.8	149.1	150.5	151.9	150.5
72.5°	119.3	120.7	123.4	124.7	124.7	126.1	126.1	127.5	128.8	128.8
75°	97.6	100.3	101.7	103.0	104.4	104.4	105.8	107.1	107.1	107.1
77.5°	77.3	80.0	81.4	82.7	84.1	84.1	85.4	85.4	86.8	85.4
80°	59.7	61.0	62.4	63.7	65.1	65.1	66.4	67.8	67.8	67.8
82.5°	43.4	44.7	47.5	48.8	48.8	48.8	51.5	51.5	52.9	51.5
85°	29.8	31.2	33.9	35.3	36.6	36.6	36.6	38.0	39.3	38.0
87.5°	19.0	21.7	23.1	24.4	24.4	24.4	25.8	27.1	27.1	27.1
90°	10.8	10.8	12.2	13.6	13.6	14.9	14.9	16.3	16.3	16.3
92.5°	10.8	12.2	12.2	12.2	13.6	13.6	13.6	14.9	14.9	14.9
95°	92.2	66.4	38.0	29.8	25.8	25.8	24.4	25.8	24.4	24.4
97.5°	279.3	302.4	313.2	328.1	336.3	334.9	329.5	334.9	330.8	334.9
100°	397.3	419.0	435.2	439.3	447.4	451.5	466.4	477.3	482.7	489.5
102.5°	493.5	519.3	538.3	549.1	557.3	562.7	580.3	596.6	604.7	610.1
105°	581.7	608.8	631.8	642.7	652.2	657.6	676.6	695.6	707.8	714.6
107.5°	652.2	683.4	707.8	724.0	733.5	743.0	766.1	785.1	800.0	806.8
110°	715.9	747.1	772.9	791.8	802.7	812.2	837.9	859.6	875.9	884.0



TEST NUMBER: P395455

CATALOG NUMBER: I3-CL-60L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	768.8	802.7	828.4	848.8	859.6	873.2	897.6	922.0	938.3	947.8
115°	812.2	847.4	874.5	896.2	908.4	920.6	949.1	973.5	989.8	996.6
117.5°	848.8	884.0	912.5	934.2	947.8	961.3	989.8	1011.5	1029.1	1034.5
120°	878.6	913.9	942.3	966.7	980.3	992.5	1019.6	1042.7	1058.9	1063.0
122.5°	899.0	935.6	965.4	992.5	1004.7	1016.9	1042.7	1065.7	1080.6	1084.7
125°	913.9	951.8	981.7	1010.1	1022.3	1034.5	1058.9	1082.0	1094.2	1099.6
127.5°	923.4	961.3	993.9	1021.0	1034.5	1045.4	1069.8	1090.1	1102.3	1106.4
130°	926.1	965.4	997.9	1026.4	1038.6	1049.5	1072.5	1092.8	1103.7	1106.4
132.5°	926.1	964.0	997.9	1025.0	1037.3	1048.1	1069.8	1088.8	1099.6	1102.3
135°	920.6	957.3	991.2	1018.3	1030.5	1041.3	1063.0	1079.3	1090.1	1091.5
137.5°	911.2	946.4	978.9	1006.1	1018.3	1029.1	1048.1	1065.7	1075.2	1077.9
140°	899.0	931.5	964.0	989.8	1002.0	1011.5	1030.5	1045.4	1054.9	1057.6
142.5°	882.7	915.2	945.1	970.8	980.3	991.2	1007.4	1022.3	1030.5	1033.2
145°	865.1	896.2	923.4	946.4	957.3	966.7	981.7	995.2	1003.4	1006.1
147.5°	842.0	873.2	899.0	920.6	930.1	939.6	953.2	965.4	973.5	976.2
150°	813.5	842.0	869.1	889.5	899.0	908.4	922.0	932.8	941.0	942.3
152.5°	785.1	812.2	835.2	855.6	865.1	874.5	886.7	897.6	907.1	907.1
155°	757.9	781.0	802.7	820.3	828.4	836.6	848.8	858.3	866.4	866.4
157.5°	729.5	751.2	768.8	785.1	791.8	798.6	809.5	817.6	824.4	823.0
160°	702.3	718.6	734.9	748.4	755.2	760.7	768.8	775.6	782.3	781.0
162.5°	672.5	687.4	701.0	710.5	715.9	720.0	728.1	734.9	739.0	739.0
165°	638.6	652.2	664.4	673.9	679.3	682.0	688.8	692.9	696.9	696.9
167.5°	603.4	614.2	625.1	633.2	638.6	641.3	648.1	650.8	656.2	654.9
170°	568.1	576.3	584.4	591.2	593.9	596.6	602.0	604.7	607.4	607.4
172.5°	539.6	542.4	546.4	551.8	551.8	553.2	555.9	557.3	558.6	558.6
175°	523.4	524.7	524.7	524.7	524.7	524.7	526.1	524.7	526.1	524.7
177.5°	516.6	516.6	515.2	515.2	513.9	515.2	513.9	512.5	512.5	511.2
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9

(END OF REPORT)