

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: P395462

Luminaire Tested: **I3-CL-60L93050-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395462
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-60L93050-1D-UNV-W2A-W-4 (4500K)
Description: CORELITE I3, CLEAR TOP COVER
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5194.4 lumens
Efficiency: N/A
Efficacy: 112.9 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

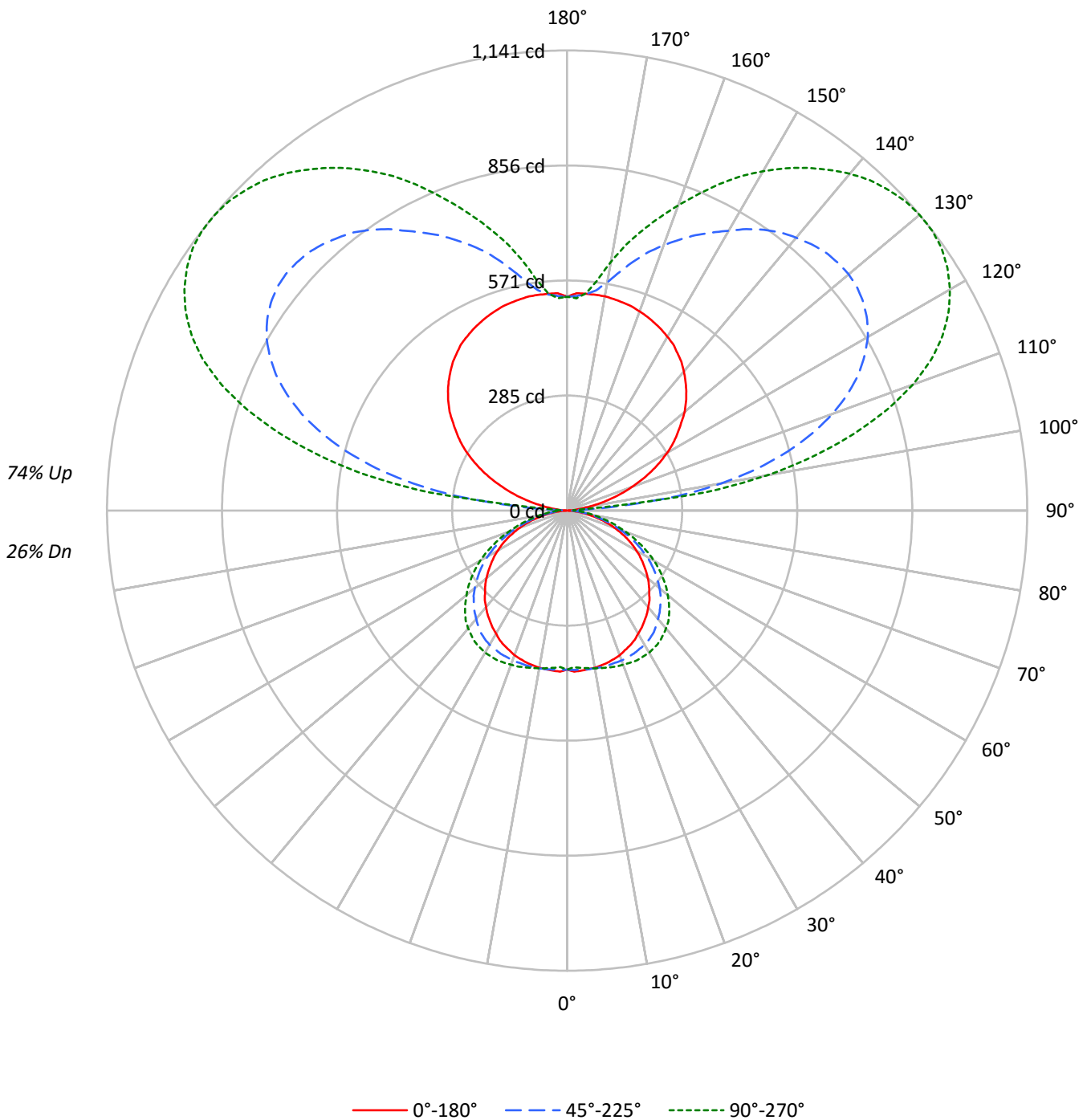
Input Watts (W): 46
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2167	2167	2167
5°	2190	2133	2098
10°	2192	2117	2093
15°	2194	2109	2103
20°	2198	2110	2122
25°	2194	2112	2150
30°	2182	2115	2165
35°	2177	2103	2167
40°	2169	2058	2140
45°	2147	2009	2086
50°	2127	1942	1993
55°	2083	1845	1878
60°	2032	1715	1734
65°	1949	1540	1537
70°	1810	1311	1302
75°	1563	1043	1045
80°	1211	741	765
85°	713	459	513



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CATALOG NUMBER: I3-CL-60L93050-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.7	0.7
10°-20°	112.1	2.2
20°-30°	179.6	3.5
30°-40°	229.8	4.4
40°-50°	250.5	4.8
50°-60°	234.7	4.5
60°-70°	182.1	3.5
70°-80°	104.4	2.0
80°-90°	33.4	0.6
90°-100°	134.0	2.6
100°-110°	520.8	10.0
110°-120°	709.0	13.6
120°-130°	736.0	14.2
130°-140°	652.9	12.6
140°-150°	506.5	9.8
150°-160°	338.1	6.5
160°-170°	180.2	3.5
170°-180°	52.7	1.0
0°-30°	329.4	6.3
0°-40°	559.2	10.8
0°-60°	1044.4	20.1
0°-90°	1364.3	26.3
90°-120°	1363.8	26.3
90°-150°	3259.2	62.7
90°-180°	3830.0	73.7
0°-180°	5194.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	394	394	394	394	394	
5°	398	394	396	394	391	38
15°	390	389	397	403	403	110
25°	369	372	391	405	410	170
35°	334	341	372	391	398	209
45°	288	300	327	348	358	223
55°	231	243	266	284	289	206
65°	164	170	186	198	203	161
75°	85	90	98	108	110	91
85°	17	20	29	38	39	20
90°	1	4	10	14	17	2
95°	17	95	130	27	25	22
105°	110	334	566	672	737	118
115°	231	516	797	936	1027	227
125°	334	608	897	1054	1134	299
135°	418	640	906	1062	1125	322
145°	477	640	850	987	1037	299
155°	513	605	753	854	893	237
165°	534	556	640	700	718	151
175°	540	537	538	541	541	51
180°	530	530	530	530	530	



TEST NUMBER: P395462

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2
2.5°	399.8	398.4	398.4	395.6	395.6	394.2	394.2	394.2	394.2	394.2	395.6
5°	398.4	398.4	397.0	395.6	395.6	394.2	394.2	394.2	394.2	394.2	395.6
7.5°	397.0	397.0	395.6	394.2	394.2	394.2	394.2	394.2	394.2	394.2	397.0
10°	395.6	395.6	394.2	392.8	392.8	392.8	392.8	394.2	394.2	394.2	397.0
12.5°	392.8	391.4	391.4	390.0	390.0	390.0	391.4	391.4	392.8	394.2	397.0
15°	390.0	390.0	388.6	387.2	388.6	388.6	388.6	390.0	391.4	392.8	397.0
17.5°	385.8	385.8	384.4	384.4	384.4	385.8	385.8	387.2	390.0	392.8	395.6
20°	381.6	380.2	380.2	380.2	381.6	381.6	383.0	385.8	387.2	391.4	395.6
22.5°	374.6	376.0	374.6	374.6	376.0	377.4	378.8	381.6	384.4	388.6	392.8
25°	369.0	369.0	369.0	369.0	371.8	371.8	374.6	377.4	381.6	385.8	391.4
27.5°	362.0	362.0	362.0	363.4	364.8	366.2	367.6	371.8	376.0	381.6	387.2
30°	352.2	352.2	352.2	352.2	356.4	357.8	360.6	366.2	370.4	377.4	384.4
32.5°	343.9	343.9	343.9	345.3	348.0	349.4	352.2	359.2	364.8	371.8	378.8
35°	334.1	334.1	335.5	335.5	339.7	341.1	343.9	349.4	355.0	363.4	371.8
37.5°	324.3	324.3	325.7	327.1	329.9	332.7	335.5	341.1	346.7	353.6	362.0
40°	313.1	313.1	314.5	315.9	320.1	322.9	325.7	331.3	336.9	343.9	350.8
42.5°	301.9	301.9	303.3	304.7	308.9	311.7	314.5	321.5	327.1	334.1	339.7
45°	287.9	289.3	290.7	293.5	297.7	300.5	303.3	308.9	315.9	321.5	327.1
47.5°	275.4	276.8	278.2	281.0	285.1	287.9	290.7	296.3	301.9	307.5	314.5
50°	261.4	262.8	264.2	267.0	271.2	274.0	276.8	282.4	287.9	292.1	299.1
52.5°	246.0	247.4	248.8	251.6	257.2	258.6	261.4	267.0	271.2	276.8	282.4
55°	230.6	232.0	233.4	236.2	240.4	243.2	244.6	250.2	254.4	260.0	265.6
57.5°	215.3	216.7	218.1	220.9	223.6	226.4	227.8	232.0	237.6	241.8	247.4
60°	198.5	199.9	201.3	202.7	206.9	208.3	209.7	213.9	218.1	223.6	227.8
62.5°	181.7	181.7	183.1	184.5	188.7	190.1	191.5	194.3	199.9	202.7	206.9
65°	163.5	163.5	164.9	166.3	169.1	170.5	171.9	174.7	178.9	181.7	185.9
67.5°	144.0	144.0	145.4	146.8	149.6	151.0	151.0	155.2	158.0	160.7	163.5
70°	125.8	125.8	127.2	127.2	128.6	130.0	131.4	134.2	135.6	139.8	141.2
72.5°	106.2	106.2	106.2	106.2	109.0	109.0	110.4	113.2	114.6	117.4	120.2
75°	85.3	85.3	86.7	86.7	88.1	89.5	90.9	92.3	95.0	96.4	97.8
77.5°	67.1	65.7	67.1	68.5	69.9	69.9	71.3	72.7	74.1	76.9	78.3
80°	47.5	47.5	47.5	48.9	50.3	50.3	51.7	53.1	54.5	57.3	58.7
82.5°	30.8	30.8	32.1	32.1	33.5	34.9	34.9	36.3	37.7	40.5	41.9
85°	16.8	16.8	16.8	18.2	19.6	19.6	21.0	22.4	25.2	26.6	29.4
87.5°	5.6	5.6	7.0	8.4	9.8	9.8	11.2	12.6	14.0	16.8	18.2
90°	1.4	1.4	1.4	2.8	2.8	4.2	4.2	5.6	7.0	8.4	9.8
92.5°	5.6	9.8	15.4	22.4	21.0	22.4	15.4	9.8	9.8	9.8	11.2
95°	16.8	25.2	40.5	64.3	83.9	95.0	104.8	114.6	134.2	135.6	130.0
97.5°	33.5	46.1	74.1	104.8	139.8	158.0	171.9	201.3	232.0	251.6	275.4
100°	55.9	74.1	110.4	152.4	192.9	216.7	239.0	281.0	318.7	352.2	388.6
102.5°	82.5	103.4	148.2	199.9	250.2	276.8	300.5	349.4	401.2	445.9	485.0
105°	110.4	134.2	187.3	246.0	303.3	334.1	363.4	416.5	471.1	520.0	566.1
107.5°	141.2	166.3	223.6	289.3	353.6	388.6	420.7	478.0	535.4	588.5	637.4
110°	170.5	198.5	258.6	329.9	402.6	437.5	469.7	532.6	592.7	648.6	700.3



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CATALOG NUMBER: I3-CL-60L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	201.3	230.6	290.7	369.0	443.1	479.4	513.0	580.1	643.0	700.3	752.0
115°	230.6	258.6	321.5	402.6	478.0	515.8	552.1	620.6	686.3	743.6	796.7
117.5°	258.6	285.1	349.4	430.5	508.8	546.5	582.9	654.2	719.9	780.0	831.7
120°	286.5	310.3	380.2	454.3	534.0	571.7	609.4	680.7	747.8	807.9	861.0
122.5°	311.7	334.1	402.6	475.2	553.5	592.7	629.0	701.7	770.2	830.3	882.0
125°	334.1	355.0	423.5	492.0	570.3	608.0	645.8	717.1	785.6	844.3	897.4
127.5°	356.4	377.4	438.9	508.8	581.5	620.6	657.0	728.2	795.3	855.4	907.2
130°	380.2	395.6	454.3	524.2	592.7	629.0	666.7	735.2	800.9	859.6	911.4
132.5°	399.8	413.7	469.7	536.8	601.0	636.0	669.5	738.0	803.7	859.6	910.0
135°	417.9	429.1	480.8	547.9	608.0	640.2	672.3	736.6	800.9	856.8	905.8
137.5°	434.7	445.9	490.6	556.3	613.6	641.6	672.3	732.4	793.9	849.9	896.0
140°	450.1	458.5	499.0	560.5	616.4	643.0	669.5	725.5	782.8	837.3	883.4
142.5°	465.5	472.5	506.0	563.3	617.8	643.0	668.1	717.1	770.2	823.3	869.4
145°	476.6	483.6	511.6	564.7	616.4	640.2	662.6	708.7	756.2	805.1	849.9
147.5°	489.2	494.8	517.2	561.9	612.2	634.6	655.6	697.5	740.8	785.6	827.5
150°	497.6	503.2	520.0	559.1	605.2	626.2	647.2	686.3	725.5	764.6	800.9
152.5°	506.0	510.2	524.2	554.9	596.9	616.4	636.0	673.7	710.1	745.0	777.2
155°	513.0	517.2	527.0	552.1	587.1	605.2	623.4	659.8	693.3	724.1	753.4
157.5°	520.0	522.8	529.8	547.9	575.9	592.7	609.4	641.6	672.3	703.1	726.8
160°	525.6	527.0	532.6	546.5	566.1	578.7	594.1	623.4	651.4	677.9	700.3
162.5°	531.2	531.2	535.4	543.7	557.7	566.1	577.3	602.4	627.6	651.4	672.3
165°	534.0	534.0	536.8	542.3	550.7	556.3	563.3	580.1	599.7	620.6	640.2
167.5°	536.8	536.8	538.1	540.9	546.5	549.3	552.1	563.3	575.9	591.3	606.6
170°	539.5	538.1	538.1	540.9	542.3	543.7	545.1	550.7	556.3	566.1	574.5
172.5°	539.5	538.1	538.1	539.5	539.5	539.5	539.5	540.9	542.3	547.9	550.7
175°	539.5	538.1	538.1	538.1	538.1	536.8	536.8	536.8	536.8	536.8	538.1
177.5°	539.5	538.1	536.8	536.8	535.4	535.4	534.0	534.0	532.6	532.6	532.6
180°	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8



TEST NUMBER: P395462

CATALOG NUMBER: I3-CL-60L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2
2.5°	395.6	395.6	394.2	394.2	392.8	392.8	391.4	390.0	388.6	388.6
5°	397.0	395.6	394.2	394.2	394.2	392.8	392.8	392.8	391.4	391.4
7.5°	397.0	397.0	397.0	395.6	395.6	395.6	395.6	395.6	394.2	394.2
10°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	397.0	397.0	397.0
12.5°	398.4	398.4	398.4	399.8	399.8	399.8	399.8	399.8	399.8	399.8
15°	399.8	399.8	401.2	401.2	402.6	402.6	404.0	404.0	404.0	402.6
17.5°	398.4	399.8	401.2	402.6	404.0	404.0	405.4	405.4	405.4	405.4
20°	398.4	401.2	402.6	404.0	405.4	405.4	406.8	408.2	408.2	406.8
22.5°	397.0	399.8	401.2	404.0	405.4	405.4	408.2	408.2	408.2	408.2
25°	395.6	398.4	401.2	404.0	405.4	405.4	408.2	408.2	409.6	409.6
27.5°	392.8	395.6	399.8	402.6	404.0	405.4	406.8	408.2	408.2	408.2
30°	388.6	392.8	397.0	399.8	401.2	402.6	404.0	405.4	406.8	406.8
32.5°	383.0	387.2	391.4	395.6	397.0	398.4	401.2	402.6	402.6	402.6
35°	377.4	381.6	385.8	390.0	391.4	392.8	395.6	397.0	398.4	398.4
37.5°	369.0	373.2	377.4	381.6	383.0	385.8	388.6	390.0	390.0	390.0
40°	356.4	363.4	369.0	373.2	374.6	377.4	378.8	381.6	381.6	381.6
42.5°	345.3	350.8	355.0	360.6	362.0	366.2	369.0	370.4	371.8	371.8
45°	332.7	338.3	342.5	346.7	348.0	350.8	353.6	355.0	356.4	357.8
47.5°	320.1	324.3	328.5	332.7	334.1	336.9	339.7	341.1	342.5	342.5
50°	304.7	308.9	313.1	317.3	318.7	321.5	322.9	324.3	325.7	325.7
52.5°	287.9	292.1	296.3	300.5	301.9	303.3	306.1	307.5	308.9	308.9
55°	271.2	275.4	278.2	282.4	283.8	285.1	286.5	289.3	290.7	289.3
57.5°	251.6	255.8	258.6	262.8	264.2	265.6	267.0	268.4	269.8	269.8
60°	230.6	234.8	239.0	241.8	243.2	244.6	246.0	247.4	248.8	248.8
62.5°	209.7	213.9	216.7	220.9	222.2	222.2	223.6	225.0	226.4	226.4
65°	188.7	192.9	194.3	198.5	198.5	199.9	201.3	202.7	202.7	202.7
67.5°	166.3	170.5	171.9	174.7	174.7	176.1	177.5	178.9	178.9	178.9
70°	145.4	146.8	149.6	151.0	152.4	152.4	153.8	155.2	156.6	155.2
72.5°	123.0	124.4	127.2	128.6	128.6	130.0	130.0	131.4	132.8	132.8
75°	100.6	103.4	104.8	106.2	107.6	107.6	109.0	110.4	110.4	110.4
77.5°	79.7	82.5	83.9	85.3	86.7	86.7	88.1	88.1	89.5	88.1
80°	61.5	62.9	64.3	65.7	67.1	67.1	68.5	69.9	69.9	69.9
82.5°	44.7	46.1	48.9	50.3	50.3	50.3	53.1	53.1	54.5	53.1
85°	30.8	32.1	34.9	36.3	37.7	37.7	37.7	39.1	40.5	39.1
87.5°	19.6	22.4	23.8	25.2	25.2	25.2	26.6	28.0	28.0	28.0
90°	11.2	11.2	12.6	14.0	14.0	15.4	15.4	16.8	16.8	16.8
92.5°	11.2	12.6	12.6	12.6	14.0	14.0	14.0	15.4	15.4	15.4
95°	95.0	68.5	39.1	30.8	26.6	26.6	25.2	26.6	25.2	25.2
97.5°	287.9	311.7	322.9	338.3	346.7	345.3	339.7	345.3	341.1	345.3
100°	409.6	431.9	448.7	452.9	461.3	465.5	480.8	492.0	497.6	504.6
102.5°	508.8	535.4	554.9	566.1	574.5	580.1	598.3	615.0	623.4	629.0
105°	599.7	627.6	651.4	662.6	672.3	677.9	697.5	717.1	729.6	736.6
107.5°	672.3	704.5	729.6	746.4	756.2	766.0	789.8	809.3	824.7	831.7
110°	738.0	770.2	796.7	816.3	827.5	837.3	863.8	886.2	903.0	911.4



TEST NUMBER: P395462

CATALOG NUMBER: I3-CL-60L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	792.5	827.5	854.0	875.0	886.2	900.2	925.3	950.5	967.3	977.1
115°	837.3	873.6	901.6	923.9	936.5	949.1	978.5	1003.6	1020.4	1027.4
117.5°	875.0	911.4	940.7	963.1	977.1	991.0	1020.4	1042.7	1060.9	1066.5
120°	905.8	942.1	971.5	996.6	1010.6	1023.2	1051.1	1074.9	1091.7	1095.9
122.5°	926.7	964.5	995.2	1023.2	1035.8	1048.3	1074.9	1098.7	1114.0	1118.2
125°	942.1	981.2	1012.0	1041.4	1053.9	1066.5	1091.7	1115.4	1128.0	1133.6
127.5°	951.9	991.0	1024.6	1052.5	1066.5	1077.7	1102.9	1123.8	1136.4	1140.6
130°	954.7	995.2	1028.8	1058.1	1070.7	1081.9	1105.7	1126.6	1137.8	1140.6
132.5°	954.7	993.8	1028.8	1056.7	1069.3	1080.5	1102.9	1122.4	1133.6	1136.4
135°	949.1	986.8	1021.8	1049.7	1062.3	1073.5	1095.9	1112.6	1123.8	1125.2
137.5°	939.3	975.7	1009.2	1037.2	1049.7	1060.9	1080.5	1098.7	1108.4	1111.2
140°	926.7	960.3	993.8	1020.4	1033.0	1042.7	1062.3	1077.7	1087.5	1090.3
142.5°	910.0	943.5	974.3	1000.8	1010.6	1021.8	1038.6	1053.9	1062.3	1065.1
145°	891.8	923.9	951.9	975.7	986.8	996.6	1012.0	1026.0	1034.4	1037.2
147.5°	868.0	900.2	926.7	949.1	958.9	968.7	982.6	995.2	1003.6	1006.4
150°	838.7	868.0	896.0	916.9	926.7	936.5	950.5	961.7	970.1	971.5
152.5°	809.3	837.3	861.0	882.0	891.8	901.6	914.2	925.3	935.1	935.1
155°	781.4	805.1	827.5	845.7	854.0	862.4	875.0	884.8	893.2	893.2
157.5°	752.0	774.4	792.5	809.3	816.3	823.3	834.5	842.9	849.9	848.5
160°	724.1	740.8	757.6	771.6	778.6	784.2	792.5	799.5	806.5	805.1
162.5°	693.3	708.7	722.7	732.4	738.0	742.2	750.6	757.6	761.8	761.8
165°	658.4	672.3	684.9	694.7	700.3	703.1	710.1	714.3	718.5	718.5
167.5°	622.0	633.2	644.4	652.8	658.4	661.2	668.1	670.9	676.5	675.1
170°	585.7	594.1	602.4	609.4	612.2	615.0	620.6	623.4	626.2	626.2
172.5°	556.3	559.1	563.3	568.9	568.9	570.3	573.1	574.5	575.9	575.9
175°	539.5	540.9	540.9	540.9	540.9	540.9	542.3	540.9	542.3	540.9
177.5°	532.6	532.6	531.2	531.2	529.8	531.2	529.8	528.4	528.4	527.0
180°	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8

(END OF REPORT)