

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: P395392

Luminaire Tested: **I3-CL-40L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395392
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-40L82765-1D-UNV-W2A-W-4 (5700K)
Description: CORELITE I3, CLEAR TOP COVER
4000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3856.7 lumens
Efficiency: N/A
Efficacy: 134.4 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

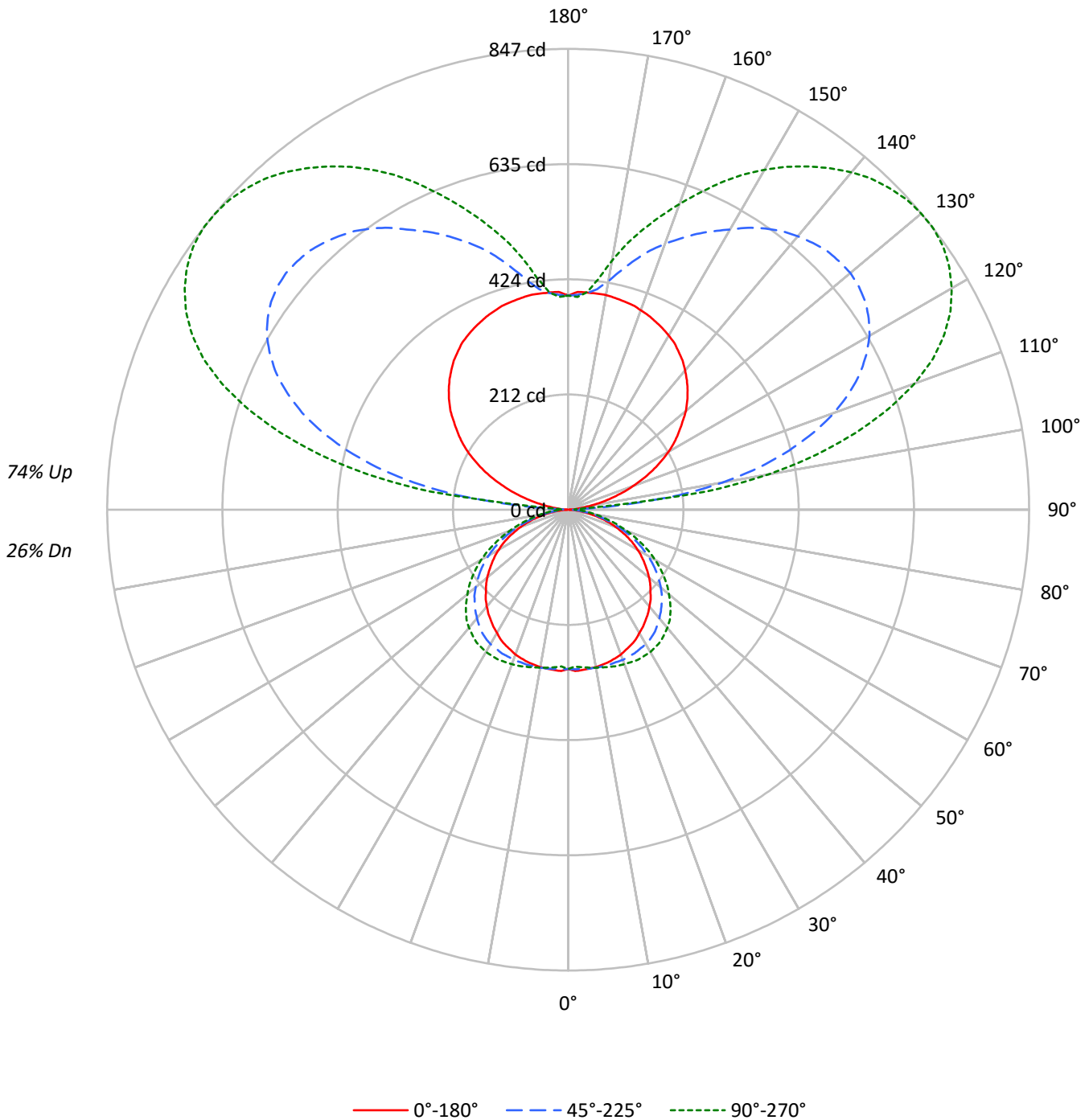
Input Watts (W): 28.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-40L82765-1D-UNV-W2A-W-4 (5700K)

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°	1609	1609	1609
5°	1626	1584	1558
10°	1627	1571	1553
15°	1629	1565	1561
20°	1632	1566	1575
25°	1629	1568	1596
30°	1620	1570	1607
35°	1616	1562	1609
40°	1611	1528	1588
45°	1594	1492	1549
50°	1580	1442	1480
55°	1547	1370	1395
60°	1509	1274	1287
65°	1447	1143	1141
70°	1344	973	966
75°	1160	774	776
80°	900	550	568
85°	530	340	382



TEST NUMBER: P395392

CATALOG NUMBER: I3-CL-40L82765-1D-UNV-W2A-W-4 (5700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.0	0.7
10°-20°	83.2	2.2
20°-30°	133.4	3.5
30°-40°	170.6	4.4
40°-50°	186.0	4.8
50°-60°	174.3	4.5
60°-70°	135.2	3.5
70°-80°	77.5	2.0
80°-90°	24.8	0.6
90°-100°	99.5	2.6
100°-110°	386.7	10.0
110°-120°	526.4	13.6
120°-130°	546.5	14.2
130°-140°	484.7	12.6
140°-150°	376.1	9.8
150°-160°	251.0	6.5
160°-170°	133.8	3.5
170°-180°	39.1	1.0
0°-30°	244.6	6.3
0°-40°	415.2	10.8
0°-60°	775.4	20.1
0°-90°	1012.9	26.3
90°-120°	1012.6	26.3
90°-150°	2419.9	62.7
90°-180°	2844.0	73.7
0°-180°	3856.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	293	293	293	293	293	
5°	296	293	294	293	291	28
15°	290	288	295	299	299	82
25°	274	276	291	301	304	126
35°	248	253	276	291	296	155
45°	214	223	243	258	266	165
55°	171	181	197	211	215	153
65°	121	127	138	147	150	120
75°	63	66	73	80	82	68
85°	12	14	22	28	29	15
90°	1	3	7	10	12	1
95°	12	71	96	20	19	16
105°	82	248	420	499	547	87
115°	171	383	592	695	763	169
125°	248	452	666	782	842	222
135°	310	475	672	789	835	239
145°	354	475	631	733	770	222
155°	381	449	559	634	663	176
165°	396	413	475	520	533	112
175°	401	398	400	402	402	38
180°	393	393	393	393	393	



TEST NUMBER: P395392

CATALOG NUMBER: I3-CL-40L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	292.7	292.7	292.7	292.7	292.7	292.7	292.7	292.7	292.7	292.7	292.7
2.5°	296.8	295.8	295.8	293.7	293.7	292.7	292.7	292.7	292.7	292.7	293.7
5°	295.8	295.8	294.7	293.7	293.7	292.7	292.7	292.7	292.7	292.7	293.7
7.5°	294.7	294.7	293.7	292.7	292.7	292.7	292.7	292.7	292.7	292.7	294.7
10°	293.7	293.7	292.7	291.6	291.6	291.6	291.6	292.7	292.7	292.7	294.7
12.5°	291.6	290.6	290.6	289.6	289.6	289.6	290.6	290.6	291.6	292.7	294.7
15°	289.6	289.6	288.5	287.5	288.5	288.5	288.5	289.6	290.6	291.6	294.7
17.5°	286.4	286.4	285.4	285.4	285.4	286.4	286.4	287.5	289.6	291.6	293.7
20°	283.3	282.3	282.3	282.3	283.3	283.3	284.4	286.4	287.5	290.6	293.7
22.5°	278.1	279.2	278.1	278.1	279.2	280.2	281.2	283.3	285.4	288.5	291.6
25°	274.0	274.0	274.0	274.0	276.1	276.1	278.1	280.2	283.3	286.4	290.6
27.5°	268.8	268.8	268.8	269.8	270.9	271.9	272.9	276.1	279.2	283.3	287.5
30°	261.5	261.5	261.5	261.5	264.6	265.7	267.8	271.9	275.0	280.2	285.4
32.5°	255.3	255.3	255.3	256.3	258.4	259.5	261.5	266.7	270.9	276.1	281.2
35°	248.0	248.0	249.1	249.1	252.2	253.2	255.3	259.5	263.6	269.8	276.1
37.5°	240.8	240.8	241.8	242.9	244.9	247.0	249.1	253.2	257.4	262.6	268.8
40°	232.5	232.5	233.5	234.5	237.7	239.7	241.8	246.0	250.1	255.3	260.5
42.5°	224.2	224.2	225.2	226.2	229.4	231.4	233.5	238.7	242.9	248.0	252.2
45°	213.8	214.8	215.9	217.9	221.1	223.1	225.2	229.4	234.5	238.7	242.9
47.5°	204.5	205.5	206.5	208.6	211.7	213.8	215.9	220.0	224.2	228.3	233.5
50°	194.1	195.1	196.1	198.2	201.3	203.4	205.5	209.6	213.8	216.9	222.1
52.5°	182.7	183.7	184.7	186.8	191.0	192.0	194.1	198.2	201.3	205.5	209.6
55°	171.2	172.3	173.3	175.4	178.5	180.6	181.6	185.8	188.9	193.0	197.2
57.5°	159.8	160.9	161.9	164.0	166.1	168.1	169.2	172.3	176.4	179.5	183.7
60°	147.4	148.4	149.4	150.5	153.6	154.6	155.7	158.8	161.9	166.1	169.2
62.5°	134.9	134.9	136.0	137.0	140.1	141.1	142.2	144.3	148.4	150.5	153.6
65°	121.4	121.4	122.5	123.5	125.6	126.6	127.7	129.7	132.8	134.9	138.0
67.5°	106.9	106.9	107.9	109.0	111.0	112.1	112.1	115.2	117.3	119.3	121.4
70°	93.4	93.4	94.4	94.4	95.5	96.5	97.6	99.6	100.7	103.8	104.8
72.5°	78.9	78.9	78.9	78.9	81.0	81.0	82.0	84.1	85.1	87.2	89.3
75°	63.3	63.3	64.3	64.3	65.4	66.4	67.5	68.5	70.6	71.6	72.6
77.5°	49.8	48.8	49.8	50.9	51.9	51.9	52.9	54.0	55.0	57.1	58.1
80°	35.3	35.3	35.3	36.3	37.4	37.4	38.4	39.4	40.5	42.6	43.6
82.5°	22.8	22.8	23.9	23.9	24.9	25.9	25.9	27.0	28.0	30.1	31.1
85°	12.5	12.5	12.5	13.5	14.5	14.5	15.6	16.6	18.7	19.7	21.8
87.5°	4.2	4.2	5.2	6.2	7.3	7.3	8.3	9.3	10.4	12.5	13.5
90°	1.0	1.0	1.0	2.1	2.1	3.1	3.1	4.2	5.2	6.2	7.3
92.5°	4.2	7.3	11.4	16.6	15.6	16.6	11.4	7.3	7.3	7.3	8.3
95°	12.5	18.7	30.1	47.7	62.3	70.6	77.8	85.1	99.6	100.7	96.5
97.5°	24.9	34.2	55.0	77.8	103.8	117.3	127.7	149.4	172.3	186.8	204.5
100°	41.5	55.0	82.0	113.1	143.2	160.9	177.5	208.6	236.6	261.5	288.5
102.5°	61.2	76.8	110.0	148.4	185.8	205.5	223.1	259.5	297.9	331.1	360.1
105°	82.0	99.6	139.1	182.7	225.2	248.0	269.8	309.3	349.7	386.1	420.3
107.5°	104.8	123.5	166.1	214.8	262.6	288.5	312.4	354.9	397.5	436.9	473.2
110°	126.6	147.4	192.0	244.9	298.9	324.8	348.7	395.4	440.0	481.5	519.9



TEST NUMBER: P395392

CATALOG NUMBER: I3-CL-40L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	149.4	171.2	215.9	274.0	329.0	356.0	380.9	430.7	477.4	519.9	558.3
115°	171.2	192.0	238.7	298.9	354.9	383.0	409.9	460.8	509.6	552.1	591.6
117.5°	192.0	211.7	259.5	319.6	377.8	405.8	432.8	485.7	534.5	579.1	617.5
120°	212.8	230.4	282.3	337.3	396.4	424.5	452.5	505.4	555.2	599.9	639.3
122.5°	231.4	248.0	298.9	352.9	411.0	440.0	467.0	521.0	571.8	616.5	654.9
125°	248.0	263.6	314.5	365.3	423.4	451.5	479.5	532.4	583.3	626.8	666.3
127.5°	264.6	280.2	325.9	377.8	431.7	460.8	487.8	540.7	590.5	635.1	673.5
130°	282.3	293.7	337.3	389.2	440.0	467.0	495.0	545.9	594.7	638.3	676.7
132.5°	296.8	307.2	348.7	398.5	446.3	472.2	497.1	548.0	596.7	638.3	675.6
135°	310.3	318.6	357.0	406.8	451.5	475.3	499.2	546.9	594.7	636.2	672.5
137.5°	322.8	331.1	364.3	413.1	455.6	476.4	499.2	543.8	589.5	631.0	665.2
140°	334.2	340.4	370.5	416.2	457.7	477.4	497.1	538.6	581.2	621.7	655.9
142.5°	345.6	350.8	375.7	418.2	458.7	477.4	496.1	532.4	571.8	611.3	645.5
145°	353.9	359.1	379.8	419.3	457.7	475.3	491.9	526.2	561.5	597.8	631.0
147.5°	363.2	367.4	384.0	417.2	454.6	471.2	486.7	517.9	550.0	583.3	614.4
150°	369.5	373.6	386.1	415.1	449.4	464.9	480.5	509.6	538.6	567.7	594.7
152.5°	375.7	378.8	389.2	412.0	443.2	457.7	472.2	500.2	527.2	553.2	577.0
155°	380.9	384.0	391.3	409.9	435.9	449.4	462.9	489.9	514.8	537.6	559.4
157.5°	386.1	388.1	393.3	406.8	427.6	440.0	452.5	476.4	499.2	522.0	539.7
160°	390.2	391.3	395.4	405.8	420.3	429.7	441.1	462.9	483.6	503.3	519.9
162.5°	394.4	394.4	397.5	403.7	414.1	420.3	428.6	447.3	466.0	483.6	499.2
165°	396.4	396.4	398.5	402.7	408.9	413.1	418.2	430.7	445.2	460.8	475.3
167.5°	398.5	398.5	399.6	401.6	405.8	407.9	409.9	418.2	427.6	439.0	450.4
170°	400.6	399.6	399.6	401.6	402.7	403.7	404.8	408.9	413.1	420.3	426.5
172.5°	400.6	399.6	399.6	400.6	400.6	400.6	400.6	401.6	402.7	406.8	408.9
175°	400.6	399.6	399.6	399.6	399.6	398.5	398.5	398.5	398.5	398.5	399.6
177.5°	400.6	399.6	398.5	398.5	397.5	397.5	396.4	396.4	395.4	395.4	395.4
180°	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3



TEST NUMBER: P395392

CATALOG NUMBER: I3-CL-40L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	292.7	292.7	292.7	292.7	292.7	292.7	292.7	292.7	292.7	292.7
2.5°	293.7	293.7	292.7	292.7	291.6	291.6	290.6	289.6	288.5	288.5
5°	294.7	293.7	292.7	292.7	292.7	291.6	291.6	291.6	290.6	290.6
7.5°	294.7	294.7	294.7	293.7	293.7	293.7	293.7	293.7	292.7	292.7
10°	295.8	295.8	295.8	295.8	295.8	295.8	295.8	294.7	294.7	294.7
12.5°	295.8	295.8	295.8	296.8	296.8	296.8	296.8	296.8	296.8	296.8
15°	296.8	296.8	297.9	297.9	298.9	298.9	299.9	299.9	299.9	298.9
17.5°	295.8	296.8	297.9	298.9	299.9	299.9	301.0	301.0	301.0	301.0
20°	295.8	297.9	298.9	299.9	301.0	301.0	302.0	303.0	303.0	302.0
22.5°	294.7	296.8	297.9	299.9	301.0	301.0	303.0	303.0	303.0	303.0
25°	293.7	295.8	297.9	299.9	301.0	301.0	303.0	303.0	304.1	304.1
27.5°	291.6	293.7	296.8	298.9	299.9	301.0	302.0	303.0	303.0	303.0
30°	288.5	291.6	294.7	296.8	297.9	298.9	299.9	301.0	302.0	302.0
32.5°	284.4	287.5	290.6	293.7	294.7	295.8	297.9	298.9	298.9	298.9
35°	280.2	283.3	286.4	289.6	290.6	291.6	293.7	294.7	295.8	295.8
37.5°	274.0	277.1	280.2	283.3	284.4	286.4	288.5	289.6	289.6	289.6
40°	264.6	269.8	274.0	277.1	278.1	280.2	281.2	283.3	283.3	283.3
42.5°	256.3	260.5	263.6	267.8	268.8	271.9	274.0	275.0	276.1	276.1
45°	247.0	251.2	254.3	257.4	258.4	260.5	262.6	263.6	264.6	265.7
47.5°	237.7	240.8	243.9	247.0	248.0	250.1	252.2	253.2	254.3	254.3
50°	226.2	229.4	232.5	235.6	236.6	238.7	239.7	240.8	241.8	241.8
52.5°	213.8	216.9	220.0	223.1	224.2	225.2	227.3	228.3	229.4	229.4
55°	201.3	204.5	206.5	209.6	210.7	211.7	212.8	214.8	215.9	214.8
57.5°	186.8	189.9	192.0	195.1	196.1	197.2	198.2	199.3	200.3	200.3
60°	171.2	174.4	177.5	179.5	180.6	181.6	182.7	183.7	184.7	184.7
62.5°	155.7	158.8	160.9	164.0	165.0	165.0	166.1	167.1	168.1	168.1
65°	140.1	143.2	144.3	147.4	147.4	148.4	149.4	150.5	150.5	150.5
67.5°	123.5	126.6	127.7	129.7	129.7	130.8	131.8	132.8	132.8	132.8
70°	107.9	109.0	111.0	112.1	113.1	113.1	114.2	115.2	116.2	115.2
72.5°	91.3	92.4	94.4	95.5	95.5	96.5	96.5	97.6	98.6	98.6
75°	74.7	76.8	77.8	78.9	79.9	79.9	81.0	82.0	82.0	82.0
77.5°	59.2	61.2	62.3	63.3	64.3	64.3	65.4	65.4	66.4	65.4
80°	45.7	46.7	47.7	48.8	49.8	49.8	50.9	51.9	51.9	51.9
82.5°	33.2	34.2	36.3	37.4	37.4	37.4	39.4	39.4	40.5	39.4
85°	22.8	23.9	25.9	27.0	28.0	28.0	28.0	29.1	30.1	29.1
87.5°	14.5	16.6	17.6	18.7	18.7	18.7	19.7	20.8	20.8	20.8
90°	8.3	8.3	9.3	10.4	10.4	11.4	11.4	12.5	12.5	12.5
92.5°	8.3	9.3	9.3	9.3	10.4	10.4	10.4	11.4	11.4	11.4
95°	70.6	50.9	29.1	22.8	19.7	19.7	18.7	19.7	18.7	18.7
97.5°	213.8	231.4	239.7	251.2	257.4	256.3	252.2	256.3	253.2	256.3
100°	304.1	320.7	333.1	336.3	342.5	345.6	357.0	365.3	369.5	374.7
102.5°	377.8	397.5	412.0	420.3	426.5	430.7	444.2	456.6	462.9	467.0
105°	445.2	466.0	483.6	491.9	499.2	503.3	517.9	532.4	541.7	546.9
107.5°	499.2	523.1	541.7	554.2	561.5	568.7	586.4	600.9	612.3	617.5
110°	548.0	571.8	591.6	606.1	614.4	621.7	641.4	658.0	670.4	676.7



TEST NUMBER: P395392

CATALOG NUMBER: I3-CL-40L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	588.4	614.4	634.1	649.7	658.0	668.4	687.0	705.7	718.2	725.4
115°	621.7	648.6	669.4	686.0	695.3	704.7	726.5	745.2	757.6	762.8
117.5°	649.7	676.7	698.5	715.1	725.4	735.8	757.6	774.2	787.7	791.9
120°	672.5	699.5	721.3	740.0	750.3	759.7	780.4	798.1	810.5	813.7
122.5°	688.1	716.1	738.9	759.7	769.0	778.4	798.1	815.7	827.1	830.3
125°	699.5	728.6	751.4	773.2	782.5	791.9	810.5	828.2	837.5	841.7
127.5°	706.8	735.8	760.7	781.5	791.9	800.2	818.8	834.4	843.7	846.9
130°	708.8	738.9	763.8	785.6	795.0	803.3	820.9	836.5	844.8	846.9
132.5°	708.8	737.9	763.8	784.6	793.9	802.2	818.8	833.4	841.7	843.7
135°	704.7	732.7	758.6	779.4	788.7	797.0	813.7	826.1	834.4	835.4
137.5°	697.4	724.4	749.3	770.1	779.4	787.7	802.2	815.7	823.0	825.1
140°	688.1	713.0	737.9	757.6	767.0	774.2	788.7	800.2	807.4	809.5
142.5°	675.6	700.5	723.4	743.1	750.3	758.6	771.1	782.5	788.7	790.8
145°	662.1	686.0	706.8	724.4	732.7	740.0	751.4	761.8	768.0	770.1
147.5°	644.5	668.4	688.1	704.7	711.9	719.2	729.6	738.9	745.2	747.2
150°	622.7	644.5	665.2	680.8	688.1	695.3	705.7	714.0	720.2	721.3
152.5°	600.9	621.7	639.3	654.9	662.1	669.4	678.7	687.0	694.3	694.3
155°	580.1	597.8	614.4	627.9	634.1	640.3	649.7	656.9	663.2	663.2
157.5°	558.3	575.0	588.4	600.9	606.1	611.3	619.6	625.8	631.0	630.0
160°	537.6	550.0	562.5	572.9	578.1	582.2	588.4	593.6	598.8	597.8
162.5°	514.8	526.2	536.6	543.8	548.0	551.1	557.3	562.5	565.6	565.6
165°	488.8	499.2	508.5	515.8	519.9	522.0	527.2	530.3	533.4	533.4
167.5°	461.8	470.1	478.4	484.7	488.8	490.9	496.1	498.2	502.3	501.3
170°	434.8	441.1	447.3	452.5	454.6	456.6	460.8	462.9	464.9	464.9
172.5°	413.1	415.1	418.2	422.4	422.4	423.4	425.5	426.5	427.6	427.6
175°	400.6	401.6	401.6	401.6	401.6	401.6	402.7	401.6	402.7	401.6
177.5°	395.4	395.4	394.4	394.4	393.3	394.4	393.3	392.3	392.3	391.3
180°	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3

(END OF REPORT)