

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: P395446

Luminaire Tested: **I3-CL-60L83050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395446
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-60L83050-1D-UNV-W2A-W-4 (3000K)
Description: CORELITE I3, CLEAR TOP COVER
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 3000K/5000K CCT, 80 CRI LEDS, TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5261.2 lumens
Efficiency: N/A
Efficacy: 119.6 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

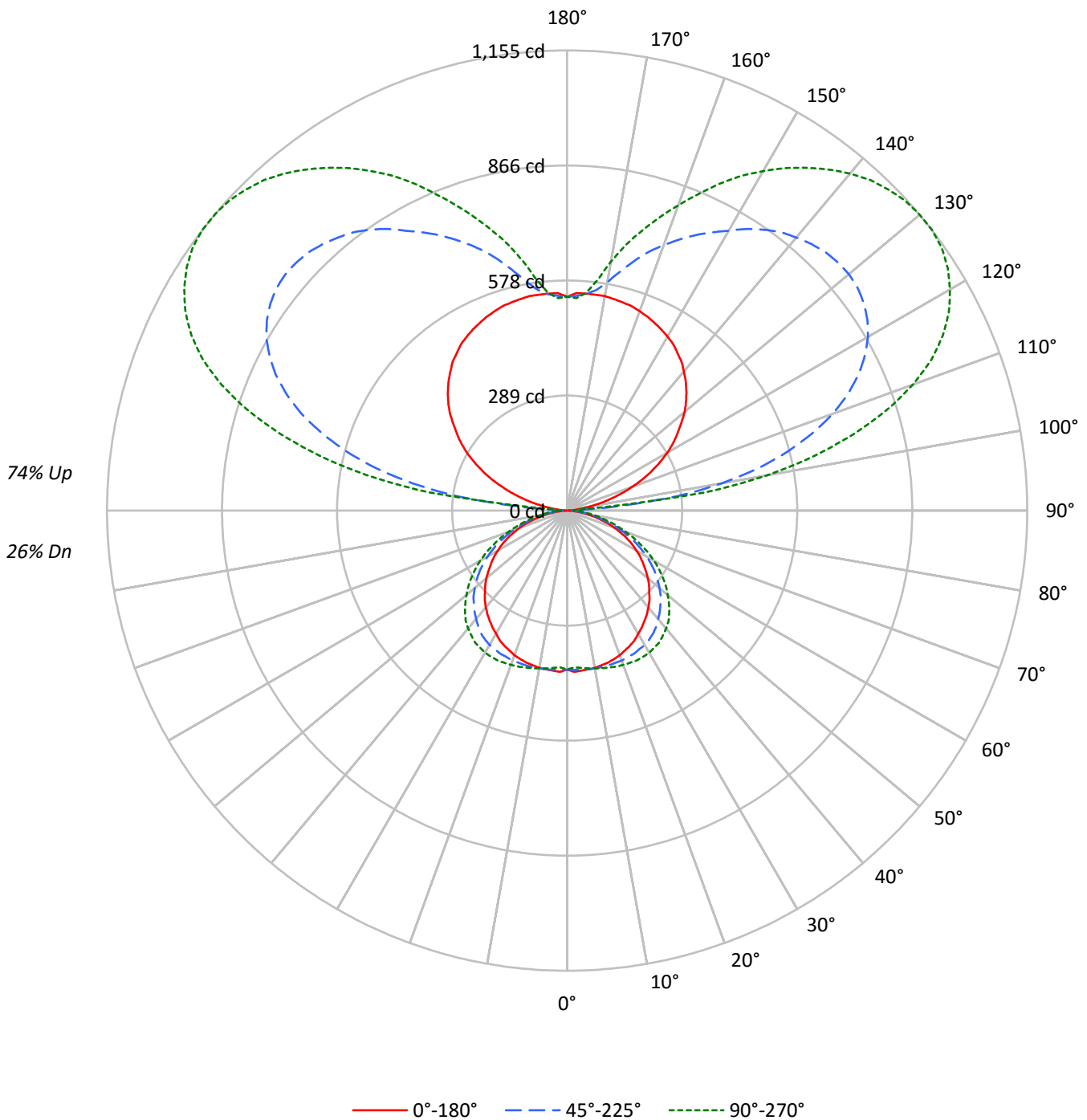
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	101	101	101	101	91	91	91	91	70	70	70	51	51	51	34	34	34
1	92	88	84	81	82	79	75	73	61	59	57	45	43	42	30	29	28
2	84	77	71	65	74	68	63	59	53	50	47	39	37	35	26	25	24
3	76	67	60	54	68	60	54	49	47	42	39	34	32	29	23	21	20
4	70	59	51	45	62	53	46	41	41	37	33	30	27	25	20	18	17
5	64	52	44	39	56	47	40	35	37	32	28	27	24	21	18	16	15
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	13
7	54	42	34	29	48	38	31	26	30	25	21	22	19	16	15	13	11
8	50	38	30	25	44	34	27	23	27	22	18	20	17	14	14	11	10
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	12	10	9
10	43	31	24	20	38	28	22	18	22	18	15	17	13	11	11	9	8

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2194	2194	2194
5°	2218	2161	2125
10°	2220	2144	2120
15°	2222	2136	2130
20°	2226	2137	2149
25°	2223	2139	2177
30°	2210	2142	2193
35°	2205	2130	2195
40°	2197	2085	2167
45°	2174	2034	2113
50°	2154	1968	2019
55°	2110	1869	1903
60°	2058	1737	1756
65°	1974	1560	1557
70°	1833	1328	1318
75°	1583	1057	1058
80°	1227	751	775
85°	721	464	519



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.2	0.7
10°-20°	113.5	2.2
20°-30°	182.0	3.5
30°-40°	232.7	4.4
40°-50°	253.7	4.8
50°-60°	237.7	4.5
60°-70°	184.5	3.5
70°-80°	105.7	2.0
80°-90°	33.8	0.6
90°-100°	135.7	2.6
100°-110°	527.5	10.0
110°-120°	718.1	13.6
120°-130°	745.4	14.2
130°-140°	661.2	12.6
140°-150°	513.1	9.8
150°-160°	342.4	6.5
160°-170°	182.5	3.5
170°-180°	53.4	1.0
0°-30°	333.6	6.3
0°-40°	566.4	10.8
0°-60°	1057.8	20.1
0°-90°	1381.8	26.3
90°-120°	1381.3	26.3
90°-150°	3301.1	62.7
90°-180°	3879.0	73.7
0°-180°	5261.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	399	399	399	399	399	
5°	404	399	401	399	396	38
15°	395	394	402	408	408	112
25°	374	377	396	411	415	172
35°	338	345	377	396	404	212
45°	292	304	331	352	362	225
55°	234	246	269	287	293	209
65°	166	173	188	201	205	163
75°	86	91	99	109	112	92
85°	17	20	30	38	40	20
90°	1	4	10	14	17	2
95°	17	96	132	27	26	22
105°	112	338	573	681	746	119
115°	234	522	807	949	1041	230
125°	338	616	909	1068	1148	303
135°	423	648	917	1076	1140	326
145°	483	648	861	1000	1050	302
155°	520	613	763	865	905	240
165°	541	564	648	709	728	153
175°	546	544	545	548	548	52
180°	537	537	537	537	537	



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CATALOG NUMBER: I3-CL-60L83050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	399.2	399.2	399.2	399.2	399.2	399.2	399.2	399.2	399.2	399.2	399.2
2.5°	404.9	403.5	403.5	400.7	400.7	399.2	399.2	399.2	399.2	399.2	400.7
5°	403.5	403.5	402.1	400.7	400.7	399.2	399.2	399.2	399.2	399.2	400.7
7.5°	402.1	402.1	400.7	399.2	399.2	399.2	399.2	399.2	399.2	399.2	402.1
10°	400.7	400.7	399.2	397.8	397.8	397.8	397.8	399.2	399.2	399.2	402.1
12.5°	397.8	396.4	396.4	395.0	395.0	395.0	396.4	396.4	397.8	399.2	402.1
15°	395.0	395.0	393.6	392.2	393.6	393.6	393.6	395.0	396.4	397.8	402.1
17.5°	390.7	390.7	389.3	389.3	389.3	390.7	390.7	392.2	395.0	397.8	400.7
20°	386.5	385.1	385.1	385.1	386.5	386.5	387.9	390.7	392.2	396.4	400.7
22.5°	379.4	380.8	379.4	379.4	380.8	382.3	383.7	386.5	389.3	393.6	397.8
25°	373.8	373.8	373.8	373.8	376.6	376.6	379.4	382.3	386.5	390.7	396.4
27.5°	366.7	366.7	366.7	368.1	369.5	370.9	372.3	376.6	380.8	386.5	392.2
30°	356.8	356.8	356.8	356.8	361.0	362.4	365.3	370.9	375.2	382.3	389.3
32.5°	348.3	348.3	348.3	349.7	352.5	353.9	356.8	363.8	369.5	376.6	383.7
35°	338.4	338.4	339.8	339.8	344.0	345.4	348.3	353.9	359.6	368.1	376.6
37.5°	328.5	328.5	329.9	331.3	334.1	336.9	339.8	345.4	351.1	358.2	366.7
40°	317.1	317.1	318.5	320.0	324.2	327.0	329.9	335.5	341.2	348.3	355.4
42.5°	305.8	305.8	307.2	308.6	312.9	315.7	318.5	325.6	331.3	338.4	344.0
45°	291.6	293.1	294.5	297.3	301.6	304.4	307.2	312.9	320.0	325.6	331.3
47.5°	278.9	280.3	281.7	284.6	288.8	291.6	294.5	300.1	305.8	311.5	318.5
50°	264.7	266.2	267.6	270.4	274.7	277.5	280.3	286.0	291.6	295.9	303.0
52.5°	249.2	250.6	252.0	254.8	260.5	261.9	264.7	270.4	274.7	280.3	286.0
55°	233.6	235.0	236.4	239.3	243.5	246.3	247.8	253.4	257.7	263.3	269.0
57.5°	218.0	219.4	220.9	223.7	226.5	229.4	230.8	235.0	240.7	244.9	250.6
60°	201.0	202.5	203.9	205.3	209.5	210.9	212.4	216.6	220.9	226.5	230.8
62.5°	184.0	184.0	185.5	186.9	191.1	192.5	194.0	196.8	202.5	205.3	209.5
65°	165.6	165.6	167.1	168.5	171.3	172.7	174.1	177.0	181.2	184.0	188.3
67.5°	145.8	145.8	147.2	148.7	151.5	152.9	152.9	157.1	160.0	162.8	165.6
70°	127.4	127.4	128.8	128.8	130.2	131.7	133.1	135.9	137.3	141.6	143.0
72.5°	107.6	107.6	107.6	107.6	110.4	110.4	111.8	114.7	116.1	118.9	121.8
75°	86.4	86.4	87.8	87.8	89.2	90.6	92.0	93.4	96.3	97.7	99.1
77.5°	68.0	66.5	68.0	69.4	70.8	70.8	72.2	73.6	75.0	77.9	79.3
80°	48.1	48.1	48.1	49.6	51.0	51.0	52.4	53.8	55.2	58.0	59.5
82.5°	31.1	31.1	32.6	32.6	34.0	35.4	35.4	36.8	38.2	41.1	42.5
85°	17.0	17.0	17.0	18.4	19.8	19.8	21.2	22.7	25.5	26.9	29.7
87.5°	5.7	5.7	7.1	8.5	9.9	9.9	11.3	12.7	14.2	17.0	18.4
90°	1.4	1.4	1.4	2.8	2.8	4.2	4.2	5.7	7.1	8.5	9.9
92.5°	5.7	9.9	15.6	22.7	21.2	22.7	15.6	9.9	9.9	9.9	11.3
95°	17.0	25.5	41.1	65.1	84.9	96.3	106.2	116.1	135.9	137.3	131.7
97.5°	34.0	46.7	75.0	106.2	141.6	160.0	174.1	203.9	235.0	254.8	278.9
100°	56.6	75.0	111.8	154.3	195.4	219.4	242.1	284.6	322.8	356.8	393.6
102.5°	83.5	104.8	150.1	202.5	253.4	280.3	304.4	353.9	406.3	451.6	491.3
105°	111.8	135.9	189.7	249.2	307.2	338.4	368.1	421.9	477.1	526.7	573.4
107.5°	143.0	168.5	226.5	293.1	358.2	393.6	426.1	484.2	542.2	596.0	645.6
110°	172.7	201.0	261.9	334.1	407.7	443.1	475.7	539.4	600.3	656.9	709.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	203.9	233.6	294.5	373.8	448.8	485.6	519.6	587.5	651.2	709.3	761.7
115°	233.6	261.9	325.6	407.7	484.2	522.4	559.2	628.6	695.1	753.2	807.0
117.5°	261.9	288.8	353.9	436.1	515.3	553.6	590.4	662.6	729.1	790.0	842.4
120°	290.2	314.3	385.1	460.1	540.8	579.0	617.3	689.5	757.4	818.3	872.1
122.5°	315.7	338.4	407.7	481.4	560.6	600.3	637.1	710.7	780.1	841.0	893.3
125°	338.4	359.6	429.0	498.3	577.6	615.8	654.1	726.3	795.6	855.1	908.9
127.5°	361.0	382.3	444.5	515.3	589.0	628.6	665.4	737.6	805.6	866.4	918.8
130°	385.1	400.7	460.1	530.9	600.3	637.1	675.3	744.7	811.2	870.7	923.1
132.5°	404.9	419.1	475.7	543.6	608.8	644.2	678.1	747.5	814.1	870.7	921.7
135°	423.3	434.6	487.0	555.0	615.8	648.4	681.0	746.1	811.2	867.9	917.4
137.5°	440.3	451.6	496.9	563.5	621.5	649.8	681.0	741.9	804.1	860.8	907.5
140°	455.9	464.4	505.4	567.7	624.3	651.2	678.1	734.8	792.8	848.0	894.8
142.5°	471.4	478.5	512.5	570.5	625.8	651.2	676.7	726.3	780.1	833.9	880.6
145°	482.8	489.8	518.2	572.0	624.3	648.4	671.1	717.8	765.9	815.5	860.8
147.5°	495.5	501.2	523.8	569.1	620.1	642.7	664.0	706.5	750.3	795.6	838.1
150°	504.0	509.7	526.7	566.3	613.0	634.3	655.5	695.1	734.8	774.4	811.2
152.5°	512.5	516.7	530.9	562.1	604.5	624.3	644.2	682.4	719.2	754.6	787.2
155°	519.6	523.8	533.7	559.2	594.6	613.0	631.4	668.2	702.2	733.4	763.1
157.5°	526.7	529.5	536.6	555.0	583.3	600.3	617.3	649.8	681.0	712.1	736.2
160°	532.3	533.7	539.4	553.6	573.4	586.1	601.7	631.4	659.7	686.6	709.3
162.5°	538.0	538.0	542.2	550.7	564.9	573.4	584.7	610.2	635.7	659.7	681.0
165°	540.8	540.8	543.6	549.3	557.8	563.5	570.5	587.5	607.4	628.6	648.4
167.5°	543.6	543.6	545.1	547.9	553.6	556.4	559.2	570.5	583.3	598.9	614.4
170°	546.5	545.1	545.1	547.9	549.3	550.7	552.1	557.8	563.5	573.4	581.9
172.5°	546.5	545.1	545.1	546.5	546.5	546.5	546.5	547.9	549.3	555.0	557.8
175°	546.5	545.1	545.1	545.1	545.1	543.6	543.6	543.6	543.6	543.6	545.1
177.5°	546.5	545.1	543.6	543.6	542.2	542.2	540.8	540.8	539.4	539.4	539.4
180°	536.6	536.6	536.6	536.6	536.6	536.6	536.6	536.6	536.6	536.6	536.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	399.2	399.2	399.2	399.2	399.2	399.2	399.2	399.2	399.2	399.2
2.5°	400.7	400.7	399.2	399.2	397.8	397.8	396.4	395.0	393.6	393.6
5°	402.1	400.7	399.2	399.2	399.2	397.8	397.8	397.8	396.4	396.4
7.5°	402.1	402.1	402.1	400.7	400.7	400.7	400.7	400.7	399.2	399.2
10°	403.5	403.5	403.5	403.5	403.5	403.5	403.5	402.1	402.1	402.1
12.5°	403.5	403.5	403.5	404.9	404.9	404.9	404.9	404.9	404.9	404.9
15°	404.9	404.9	406.3	406.3	407.7	407.7	409.2	409.2	409.2	407.7
17.5°	403.5	404.9	406.3	407.7	409.2	409.2	410.6	410.6	410.6	410.6
20°	403.5	406.3	407.7	409.2	410.6	410.6	412.0	413.4	413.4	412.0
22.5°	402.1	404.9	406.3	409.2	410.6	410.6	413.4	413.4	413.4	413.4
25°	400.7	403.5	406.3	409.2	410.6	410.6	413.4	413.4	414.8	414.8
27.5°	397.8	400.7	404.9	407.7	409.2	410.6	412.0	413.4	413.4	413.4
30°	393.6	397.8	402.1	404.9	406.3	407.7	409.2	410.6	412.0	412.0
32.5°	387.9	392.2	396.4	400.7	402.1	403.5	406.3	407.7	407.7	407.7
35°	382.3	386.5	390.7	395.0	396.4	397.8	400.7	402.1	403.5	403.5
37.5°	373.8	378.0	382.3	386.5	387.9	390.7	393.6	395.0	395.0	395.0
40°	361.0	368.1	373.8	378.0	379.4	382.3	383.7	386.5	386.5	386.5
42.5°	349.7	355.4	359.6	365.3	366.7	370.9	373.8	375.2	376.6	376.6
45°	336.9	342.6	346.9	351.1	352.5	355.4	358.2	359.6	361.0	362.4
47.5°	324.2	328.5	332.7	336.9	338.4	341.2	344.0	345.4	346.9	346.9
50°	308.6	312.9	317.1	321.4	322.8	325.6	327.0	328.5	329.9	329.9
52.5°	291.6	295.9	300.1	304.4	305.8	307.2	310.0	311.5	312.9	312.9
55°	274.7	278.9	281.7	286.0	287.4	288.8	290.2	293.1	294.5	293.1
57.5°	254.8	259.1	261.9	266.2	267.6	269.0	270.4	271.8	273.2	273.2
60°	233.6	237.8	242.1	244.9	246.3	247.8	249.2	250.6	252.0	252.0
62.5°	212.4	216.6	219.4	223.7	225.1	225.1	226.5	227.9	229.4	229.4
65°	191.1	195.4	196.8	201.0	201.0	202.5	203.9	205.3	205.3	205.3
67.5°	168.5	172.7	174.1	177.0	177.0	178.4	179.8	181.2	181.2	181.2
70°	147.2	148.7	151.5	152.9	154.3	154.3	155.7	157.1	158.6	157.1
72.5°	124.6	126.0	128.8	130.2	130.2	131.7	131.7	133.1	134.5	134.5
75°	101.9	104.8	106.2	107.6	109.0	109.0	110.4	111.8	111.8	111.8
77.5°	80.7	83.5	84.9	86.4	87.8	87.8	89.2	89.2	90.6	89.2
80°	62.3	63.7	65.1	66.5	68.0	68.0	69.4	70.8	70.8	70.8
82.5°	45.3	46.7	49.6	51.0	51.0	51.0	53.8	53.8	55.2	53.8
85°	31.1	32.6	35.4	36.8	38.2	38.2	38.2	39.6	41.1	39.6
87.5°	19.8	22.7	24.1	25.5	25.5	25.5	26.9	28.3	28.3	28.3
90°	11.3	11.3	12.7	14.2	14.2	15.6	15.6	17.0	17.0	17.0
92.5°	11.3	12.7	12.7	12.7	14.2	14.2	14.2	15.6	15.6	15.6
95°	96.3	69.4	39.6	31.1	26.9	26.9	25.5	26.9	25.5	25.5
97.5°	291.6	315.7	327.0	342.6	351.1	349.7	344.0	349.7	345.4	349.7
100°	414.8	437.5	454.5	458.7	467.2	471.4	487.0	498.3	504.0	511.1
102.5°	515.3	542.2	562.1	573.4	581.9	587.5	605.9	622.9	631.4	637.1
105°	607.4	635.7	659.7	671.1	681.0	686.6	706.5	726.3	739.0	746.1
107.5°	681.0	713.5	739.0	756.0	765.9	775.8	799.9	819.7	835.3	842.4
110°	747.5	780.1	807.0	826.8	838.1	848.0	874.9	897.6	914.6	923.1



TEST NUMBER: P395446

CATALOG NUMBER: I3-CL-60L83050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	802.7	838.1	865.0	886.3	897.6	911.7	937.2	962.7	979.7	989.6
115°	848.0	884.8	913.2	935.8	948.6	961.3	991.0	1016.5	1033.5	1040.6
117.5°	886.3	923.1	952.8	975.4	989.6	1003.8	1033.5	1056.1	1074.6	1080.2
120°	917.4	954.2	983.9	1009.4	1023.6	1036.3	1064.6	1088.7	1105.7	1109.9
122.5°	938.6	976.9	1008.0	1036.3	1049.1	1061.8	1088.7	1112.8	1128.4	1132.6
125°	954.2	993.9	1025.0	1054.7	1067.5	1080.2	1105.7	1129.8	1142.5	1148.2
127.5°	964.1	1003.8	1037.7	1066.1	1080.2	1091.5	1117.0	1138.3	1151.0	1155.2
130°	967.0	1008.0	1042.0	1071.7	1084.5	1095.8	1119.9	1141.1	1152.4	1155.2
132.5°	967.0	1006.6	1042.0	1070.3	1083.0	1094.4	1117.0	1136.8	1148.2	1151.0
135°	961.3	999.5	1034.9	1063.2	1076.0	1087.3	1109.9	1126.9	1138.3	1139.7
137.5°	951.4	988.2	1022.2	1050.5	1063.2	1074.6	1094.4	1112.8	1122.7	1125.5
140°	938.6	972.6	1006.6	1033.5	1046.2	1056.1	1076.0	1091.5	1101.5	1104.3
142.5°	921.7	955.6	986.8	1013.7	1023.6	1034.9	1051.9	1067.5	1076.0	1078.8
145°	903.2	935.8	964.1	988.2	999.5	1009.4	1025.0	1039.2	1047.7	1050.5
147.5°	879.2	911.7	938.6	961.3	971.2	981.1	995.3	1008.0	1016.5	1019.3
150°	849.4	879.2	907.5	928.7	938.6	948.6	962.7	974.0	982.5	983.9
152.5°	819.7	848.0	872.1	893.3	903.2	913.2	925.9	937.2	947.1	947.1
155°	791.4	815.5	838.1	856.5	865.0	873.5	886.3	896.2	904.7	904.7
157.5°	761.7	784.3	802.7	819.7	826.8	833.9	845.2	853.7	860.8	859.4
160°	733.4	750.3	767.3	781.5	788.6	794.2	802.7	809.8	816.9	815.5
162.5°	702.2	717.8	731.9	741.9	747.5	751.8	760.3	767.3	771.6	771.6
165°	666.8	681.0	693.7	703.6	709.3	712.1	719.2	723.4	727.7	727.7
167.5°	630.0	641.3	652.7	661.2	666.8	669.6	676.7	679.6	685.2	683.8
170°	593.2	601.7	610.2	617.3	620.1	622.9	628.6	631.4	634.3	634.3
172.5°	563.5	566.3	570.5	576.2	576.2	577.6	580.5	581.9	583.3	583.3
175°	546.5	547.9	547.9	547.9	547.9	547.9	549.3	547.9	549.3	547.9
177.5°	539.4	539.4	538.0	538.0	536.6	538.0	536.6	535.2	535.2	533.7
180°	536.6	536.6	536.6	536.6	536.6	536.6	536.6	536.6	536.6	536.6

(END OF REPORT)