

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: P395439

Luminaire Tested: **I3-CL-60L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395439  
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-60L82765-1D-UNV-W2A-W-4 (3000K)  
Description: CORELITE I3, CLEAR TOP COVER  
6000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5250.0 lumens  
Efficiency: N/A  
Efficacy: 119.9 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

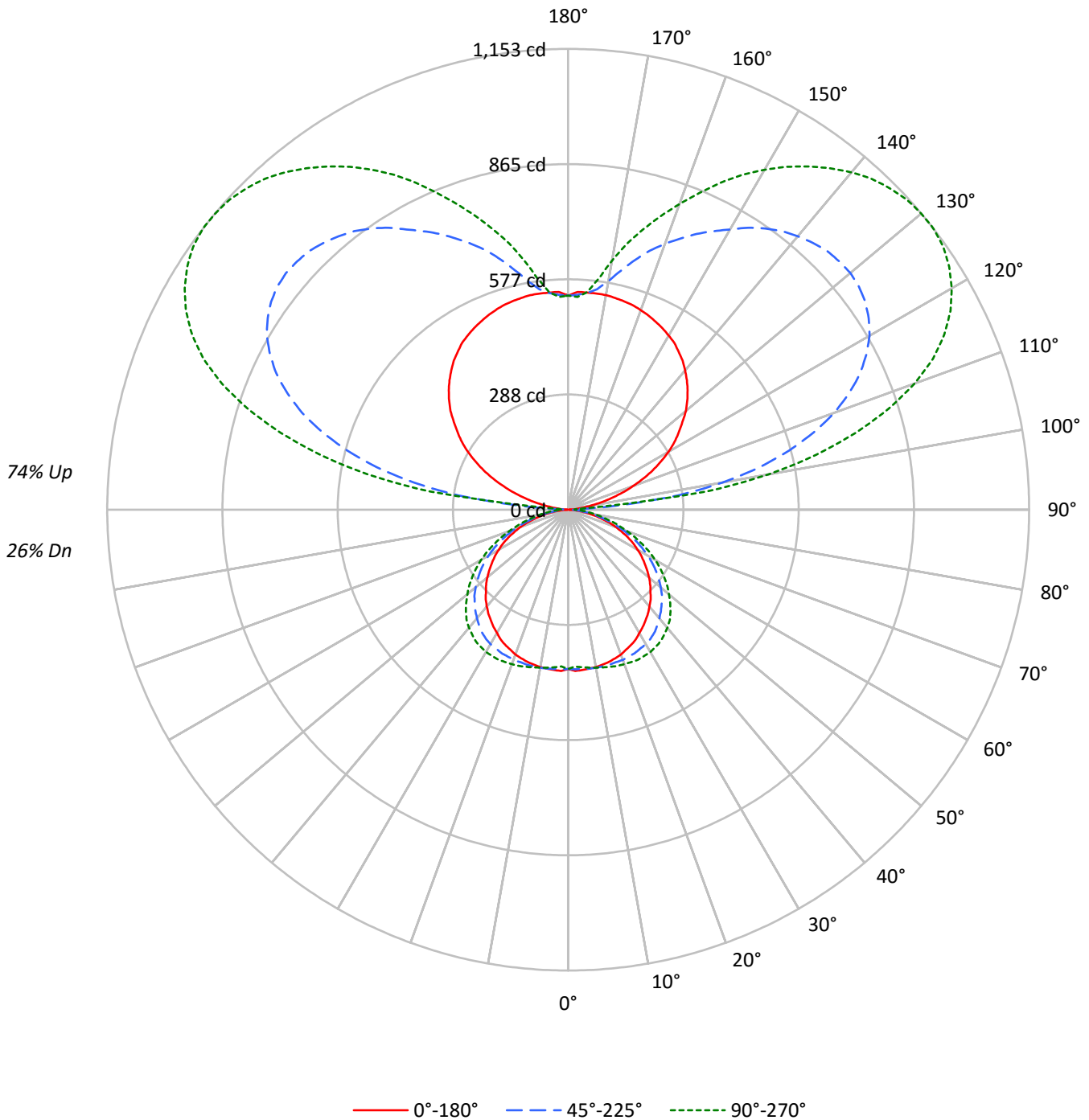
Input Watts (W): 43.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (3000K)

### 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°	2190	2190	2190
5°	2213	2156	2121
10°	2215	2139	2115
15°	2218	2131	2126
20°	2222	2132	2144
25°	2218	2135	2172
30°	2205	2138	2188
35°	2200	2126	2190
40°	2193	2080	2163
45°	2170	2030	2109
50°	2150	1963	2015
55°	2106	1864	1898
60°	2054	1734	1753
65°	1970	1557	1553
70°	1829	1325	1315
75°	1580	1054	1056
80°	1224	749	773
85°	721	464	519



TEST NUMBER: P395439

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (3000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.1	0.7
10°-20°	113.2	2.2
20°-30°	181.6	3.5
30°-40°	232.2	4.4
40°-50°	253.2	4.8
50°-60°	237.2	4.5
60°-70°	184.1	3.5
70°-80°	105.5	2.0
80°-90°	33.7	0.6
90°-100°	135.4	2.6
100°-110°	526.4	10.0
110°-120°	716.6	13.6
120°-130°	743.9	14.2
130°-140°	659.8	12.6
140°-150°	512.0	9.8
150°-160°	341.7	6.5
160°-170°	182.1	3.5
170°-180°	53.3	1.0
0°-30°	332.9	6.3
0°-40°	565.2	10.8
0°-60°	1055.6	20.1
0°-90°	1378.9	26.3
90°-120°	1378.4	26.3
90°-150°	3294.1	62.7
90°-180°	3871.0	73.7
0°-180°	5250.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	398	398	398	398	398	
5°	403	398	400	398	396	38
15°	394	393	401	407	407	111
25°	373	376	396	410	414	172
35°	338	345	376	396	403	211
45°	291	304	331	352	362	225
55°	233	246	268	287	292	208
65°	165	172	188	201	205	163
75°	86	90	99	109	112	92
85°	17	20	30	38	40	20
90°	1	4	10	14	17	2
95°	17	96	131	27	25	22
105°	112	338	572	680	744	119
115°	233	521	805	946	1038	230
125°	338	614	907	1065	1146	302
135°	422	647	916	1074	1137	326
145°	482	647	859	997	1048	302
155°	518	612	762	863	903	239
165°	540	562	647	708	726	153
175°	545	542	544	547	547	52
180°	535	535	535	535	535	



TEST NUMBER: P395439

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4
2.5°	404.0	402.6	402.6	399.8	399.8	398.4	398.4	398.4	398.4	398.4	399.8
5°	402.6	402.6	401.2	399.8	399.8	398.4	398.4	398.4	398.4	398.4	399.8
7.5°	401.2	401.2	399.8	398.4	398.4	398.4	398.4	398.4	398.4	398.4	401.2
10°	399.8	399.8	398.4	397.0	397.0	397.0	397.0	398.4	398.4	398.4	401.2
12.5°	397.0	395.6	395.6	394.2	394.2	394.2	395.6	395.6	397.0	398.4	401.2
15°	394.2	394.2	392.7	391.3	392.7	392.7	392.7	394.2	395.6	397.0	401.2
17.5°	389.9	389.9	388.5	388.5	388.5	389.9	389.9	391.3	394.2	397.0	399.8
20°	385.7	384.3	384.3	384.3	385.7	385.7	387.1	389.9	391.3	395.6	399.8
22.5°	378.6	380.0	378.6	378.6	380.0	381.4	382.9	385.7	388.5	392.7	397.0
25°	373.0	373.0	373.0	373.0	375.8	375.8	378.6	381.4	385.7	389.9	395.6
27.5°	365.9	365.9	365.9	367.3	368.7	370.1	371.6	375.8	380.0	385.7	391.3
30°	356.0	356.0	356.0	356.0	360.3	361.7	364.5	370.1	374.4	381.4	388.5
32.5°	347.5	347.5	347.5	349.0	351.8	353.2	356.0	363.1	368.7	375.8	382.9
35°	337.6	337.6	339.1	339.1	343.3	344.7	347.5	353.2	358.8	367.3	375.8
37.5°	327.8	327.8	329.2	330.6	333.4	336.2	339.1	344.7	350.4	357.4	365.9
40°	316.5	316.5	317.9	319.3	323.5	326.3	329.2	334.8	340.5	347.5	354.6
42.5°	305.2	305.2	306.6	308.0	312.2	315.0	317.9	324.9	330.6	337.6	343.3
45°	291.0	292.4	293.9	296.7	300.9	303.7	306.6	312.2	319.3	324.9	330.6
47.5°	278.3	279.7	281.1	284.0	288.2	291.0	293.9	299.5	305.2	310.8	317.9
50°	264.2	265.6	267.0	269.8	274.1	276.9	279.7	285.4	291.0	295.3	302.3
52.5°	248.6	250.1	251.5	254.3	259.9	261.4	264.2	269.8	274.1	279.7	285.4
55°	233.1	234.5	235.9	238.8	243.0	245.8	247.2	252.9	257.1	262.8	268.4
57.5°	217.6	219.0	220.4	223.2	226.0	228.9	230.3	234.5	240.2	244.4	250.1
60°	200.6	202.0	203.4	204.8	209.1	210.5	211.9	216.2	220.4	226.0	230.3
62.5°	183.7	183.7	185.1	186.5	190.7	192.1	193.5	196.4	202.0	204.8	209.1
65°	165.3	165.3	166.7	168.1	170.9	172.4	173.8	176.6	180.8	183.7	187.9
67.5°	145.5	145.5	146.9	148.3	151.2	152.6	152.6	156.8	159.6	162.5	165.3
70°	127.1	127.1	128.6	128.6	130.0	131.4	132.8	135.6	137.0	141.3	142.7
72.5°	107.4	107.4	107.4	107.4	110.2	110.2	111.6	114.4	115.8	118.7	121.5
75°	86.2	86.2	87.6	87.6	89.0	90.4	91.8	93.2	96.1	97.5	98.9
77.5°	67.8	66.4	67.8	69.2	70.6	70.6	72.1	73.5	74.9	77.7	79.1
80°	48.0	48.0	48.0	49.4	50.9	50.9	52.3	53.7	55.1	57.9	59.3
82.5°	31.1	31.1	32.5	32.5	33.9	35.3	35.3	36.7	38.1	41.0	42.4
85°	17.0	17.0	17.0	18.4	19.8	19.8	21.2	22.6	25.4	26.8	29.7
87.5°	5.7	5.7	7.1	8.5	9.9	9.9	11.3	12.7	14.1	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	15.5	22.6	21.2	22.6	15.5	9.9	9.9	9.9	11.3
95°	17.0	25.4	41.0	65.0	84.8	96.1	106.0	115.8	135.6	137.0	131.4
97.5°	33.9	46.6	74.9	106.0	141.3	159.6	173.8	203.4	234.5	254.3	278.3
100°	56.5	74.9	111.6	154.0	195.0	219.0	241.6	284.0	322.1	356.0	392.7
102.5°	83.4	104.5	149.8	202.0	252.9	279.7	303.7	353.2	405.5	450.7	490.2
105°	111.6	135.6	189.3	248.6	306.6	337.6	367.3	421.0	476.1	525.5	572.2
107.5°	142.7	168.1	226.0	292.4	357.4	392.7	425.2	483.2	541.1	594.8	644.2
110°	172.4	200.6	261.4	333.4	406.9	442.2	474.7	538.3	599.0	655.5	707.8



TEST NUMBER: P395439

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	203.4	233.1	293.9	373.0	447.8	484.6	518.5	586.3	649.9	707.8	760.1
115°	233.1	261.4	324.9	406.9	483.2	521.3	558.0	627.3	693.7	751.6	805.3
117.5°	261.4	288.2	353.2	435.1	514.2	552.4	589.1	661.2	727.6	788.3	840.6
120°	289.6	313.6	384.3	459.1	539.7	577.8	616.0	688.0	755.8	816.6	870.3
122.5°	315.0	337.6	406.9	480.3	559.5	599.0	635.7	709.2	778.4	839.2	891.4
125°	337.6	358.8	428.1	497.3	576.4	614.5	652.7	724.7	794.0	853.3	907.0
127.5°	360.3	381.4	443.6	514.2	587.7	627.3	664.0	736.0	803.9	864.6	916.9
130°	384.3	399.8	459.1	529.8	599.0	635.7	673.9	743.1	809.5	868.8	921.1
132.5°	404.0	418.2	474.7	542.5	607.5	642.8	676.7	745.9	812.3	868.8	919.7
135°	422.4	433.7	486.0	553.8	614.5	647.0	679.5	744.5	809.5	866.0	915.5
137.5°	439.4	450.7	495.9	562.3	620.2	648.5	679.5	740.3	802.4	859.0	905.6
140°	454.9	463.4	504.4	566.5	623.0	649.9	676.7	733.2	791.1	846.2	892.9
142.5°	470.4	477.5	511.4	569.3	624.4	649.9	675.3	724.7	778.4	832.1	878.7
145°	481.7	488.8	517.1	570.8	623.0	647.0	669.6	716.3	764.3	813.7	859.0
147.5°	494.5	500.1	522.7	567.9	618.8	641.4	662.6	705.0	748.8	794.0	836.4
150°	502.9	508.6	525.5	565.1	611.7	632.9	654.1	693.7	733.2	772.8	809.5
152.5°	511.4	515.7	529.8	560.9	603.2	623.0	642.8	680.9	717.7	753.0	785.5
155°	518.5	522.7	532.6	558.0	593.4	611.7	630.1	666.8	700.7	731.8	761.5
157.5°	525.5	528.4	535.4	553.8	582.1	599.0	616.0	648.5	679.5	710.6	734.6
160°	531.2	532.6	538.3	552.4	572.2	584.9	600.4	630.1	658.3	685.2	707.8
162.5°	536.8	536.8	541.1	549.6	563.7	572.2	583.5	608.9	634.3	658.3	679.5
165°	539.7	539.7	542.5	548.1	556.6	562.3	569.3	586.3	606.1	627.3	647.0
167.5°	542.5	542.5	543.9	546.7	552.4	555.2	558.0	569.3	582.1	597.6	613.1
170°	545.3	543.9	543.9	546.7	548.1	549.6	551.0	556.6	562.3	572.2	580.6
172.5°	545.3	543.9	543.9	545.3	545.3	545.3	545.3	546.7	548.1	553.8	556.6
175°	545.3	543.9	543.9	543.9	543.9	542.5	542.5	542.5	542.5	542.5	543.9
177.5°	545.3	543.9	542.5	542.5	541.1	541.1	539.7	539.7	538.3	538.3	538.3
180°	535.4	535.4	535.4	535.4	535.4	535.4	535.4	535.4	535.4	535.4	535.4



TEST NUMBER: P395439

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4
2.5°	399.8	399.8	398.4	398.4	397.0	397.0	395.6	394.2	392.7	392.7
5°	401.2	399.8	398.4	398.4	398.4	397.0	397.0	397.0	395.6	395.6
7.5°	401.2	401.2	401.2	399.8	399.8	399.8	399.8	399.8	398.4	398.4
10°	402.6	402.6	402.6	402.6	402.6	402.6	402.6	401.2	401.2	401.2
12.5°	402.6	402.6	402.6	404.0	404.0	404.0	404.0	404.0	404.0	404.0
15°	404.0	404.0	405.5	405.5	406.9	406.9	408.3	408.3	408.3	406.9
17.5°	402.6	404.0	405.5	406.9	408.3	408.3	409.7	409.7	409.7	409.7
20°	402.6	405.5	406.9	408.3	409.7	409.7	411.1	412.5	412.5	411.1
22.5°	401.2	404.0	405.5	408.3	409.7	409.7	412.5	412.5	412.5	412.5
25°	399.8	402.6	405.5	408.3	409.7	409.7	412.5	412.5	413.9	413.9
27.5°	397.0	399.8	404.0	406.9	408.3	409.7	411.1	412.5	412.5	412.5
30°	392.7	397.0	401.2	404.0	405.5	406.9	408.3	409.7	411.1	411.1
32.5°	387.1	391.3	395.6	399.8	401.2	402.6	405.5	406.9	406.9	406.9
35°	381.4	385.7	389.9	394.2	395.6	397.0	399.8	401.2	402.6	402.6
37.5°	373.0	377.2	381.4	385.7	387.1	389.9	392.7	394.2	394.2	394.2
40°	360.3	367.3	373.0	377.2	378.6	381.4	382.9	385.7	385.7	385.7
42.5°	349.0	354.6	358.8	364.5	365.9	370.1	373.0	374.4	375.8	375.8
45°	336.2	341.9	346.1	350.4	351.8	354.6	357.4	358.8	360.3	361.7
47.5°	323.5	327.8	332.0	336.2	337.6	340.5	343.3	344.7	346.1	346.1
50°	308.0	312.2	316.5	320.7	322.1	324.9	326.3	327.8	329.2	329.2
52.5°	291.0	295.3	299.5	303.7	305.2	306.6	309.4	310.8	312.2	312.2
55°	274.1	278.3	281.1	285.4	286.8	288.2	289.6	292.4	293.9	292.4
57.5°	254.3	258.5	261.4	265.6	267.0	268.4	269.8	271.2	272.7	272.7
60°	233.1	237.3	241.6	244.4	245.8	247.2	248.6	250.1	251.5	251.5
62.5°	211.9	216.2	219.0	223.2	224.6	224.6	226.0	227.5	228.9	228.9
65°	190.7	195.0	196.4	200.6	200.6	202.0	203.4	204.8	204.8	204.8
67.5°	168.1	172.4	173.8	176.6	176.6	178.0	179.4	180.8	180.8	180.8
70°	146.9	148.3	151.2	152.6	154.0	154.0	155.4	156.8	158.2	156.8
72.5°	124.3	125.7	128.6	130.0	130.0	131.4	131.4	132.8	134.2	134.2
75°	101.7	104.5	106.0	107.4	108.8	108.8	110.2	111.6	111.6	111.6
77.5°	80.5	83.4	84.8	86.2	87.6	87.6	89.0	89.0	90.4	89.0
80°	62.2	63.6	65.0	66.4	67.8	67.8	69.2	70.6	70.6	70.6
82.5°	45.2	46.6	49.4	50.9	50.9	50.9	53.7	53.7	55.1	53.7
85°	31.1	32.5	35.3	36.7	38.1	38.1	38.1	39.6	41.0	39.6
87.5°	19.8	22.6	24.0	25.4	25.4	25.4	26.8	28.3	28.3	28.3
90°	11.3	11.3	12.7	14.1	14.1	15.5	15.5	17.0	17.0	17.0
92.5°	11.3	12.7	12.7	12.7	14.1	14.1	14.1	15.5	15.5	15.5
95°	96.1	69.2	39.6	31.1	26.8	26.8	25.4	26.8	25.4	25.4
97.5°	291.0	315.0	326.3	341.9	350.4	349.0	343.3	349.0	344.7	349.0
100°	413.9	436.5	453.5	457.7	466.2	470.4	486.0	497.3	502.9	510.0
102.5°	514.2	541.1	560.9	572.2	580.6	586.3	604.7	621.6	630.1	635.7
105°	606.1	634.3	658.3	669.6	679.5	685.2	705.0	724.7	737.5	744.5
107.5°	679.5	712.0	737.5	754.4	764.3	774.2	798.2	818.0	833.5	840.6
110°	745.9	778.4	805.3	825.0	836.4	846.2	873.1	895.7	912.6	921.1





TEST NUMBER: P395439

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	801.0	836.4	863.2	884.4	895.7	909.8	935.2	960.7	977.6	987.5
115°	846.2	883.0	911.2	933.8	946.5	959.3	988.9	1014.4	1031.3	1038.4
117.5°	884.4	921.1	950.8	973.4	987.5	1001.6	1031.3	1053.9	1072.3	1077.9
120°	915.5	952.2	981.9	1007.3	1021.4	1034.1	1062.4	1086.4	1103.4	1107.6
122.5°	936.7	974.8	1005.9	1034.1	1046.9	1059.6	1086.4	1110.4	1126.0	1130.2
125°	952.2	991.8	1022.8	1052.5	1065.2	1077.9	1103.4	1127.4	1140.1	1145.7
127.5°	962.1	1001.6	1035.5	1063.8	1077.9	1089.2	1114.7	1135.9	1148.6	1152.8
130°	964.9	1005.9	1039.8	1069.5	1082.2	1093.5	1117.5	1138.7	1150.0	1152.8
132.5°	964.9	1004.5	1039.8	1068.0	1080.8	1092.1	1114.7	1134.4	1145.7	1148.6
135°	959.3	997.4	1032.7	1061.0	1073.7	1085.0	1107.6	1124.6	1135.9	1137.3
137.5°	949.4	986.1	1020.0	1048.3	1061.0	1072.3	1092.1	1110.4	1120.3	1123.1
140°	936.7	970.6	1004.5	1031.3	1044.0	1053.9	1073.7	1089.2	1099.1	1101.9
142.5°	919.7	953.6	984.7	1011.5	1021.4	1032.7	1049.7	1065.2	1073.7	1076.5
145°	901.3	933.8	962.1	986.1	997.4	1007.3	1022.8	1037.0	1045.4	1048.3
147.5°	877.3	909.8	936.7	959.3	969.1	979.0	993.2	1005.9	1014.4	1017.2
150°	847.7	877.3	905.6	926.8	936.7	946.5	960.7	972.0	980.5	981.9
152.5°	818.0	846.2	870.3	891.4	901.3	911.2	923.9	935.2	945.1	945.1
155°	789.7	813.7	836.4	854.7	863.2	871.7	884.4	894.3	902.7	902.7
157.5°	760.1	782.7	801.0	818.0	825.0	832.1	843.4	851.9	859.0	857.5
160°	731.8	748.8	765.7	779.8	786.9	792.6	801.0	808.1	815.2	813.7
162.5°	700.7	716.3	730.4	740.3	745.9	750.2	758.6	765.7	770.0	770.0
165°	665.4	679.5	692.2	702.1	707.8	710.6	717.7	721.9	726.2	726.2
167.5°	628.7	640.0	651.3	659.8	665.4	668.2	675.3	678.1	683.8	682.4
170°	591.9	600.4	608.9	616.0	618.8	621.6	627.3	630.1	632.9	632.9
172.5°	562.3	565.1	569.3	575.0	575.0	576.4	579.2	580.6	582.1	582.1
175°	545.3	546.7	546.7	546.7	546.7	546.7	548.1	546.7	548.1	546.7
177.5°	538.3	538.3	536.8	536.8	535.4	536.8	535.4	534.0	534.0	532.6
180°	535.4	535.4	535.4	535.4	535.4	535.4	535.4	535.4	535.4	535.4

(END OF REPORT)