

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: P395757

Luminaire Tested: **I3-UL-60L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395757
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-UL-60L82765-1D-UNV-W2A-W-4 (6500K)
Description: CORELITE I3, OPEN TOP
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6345.9 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.54 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

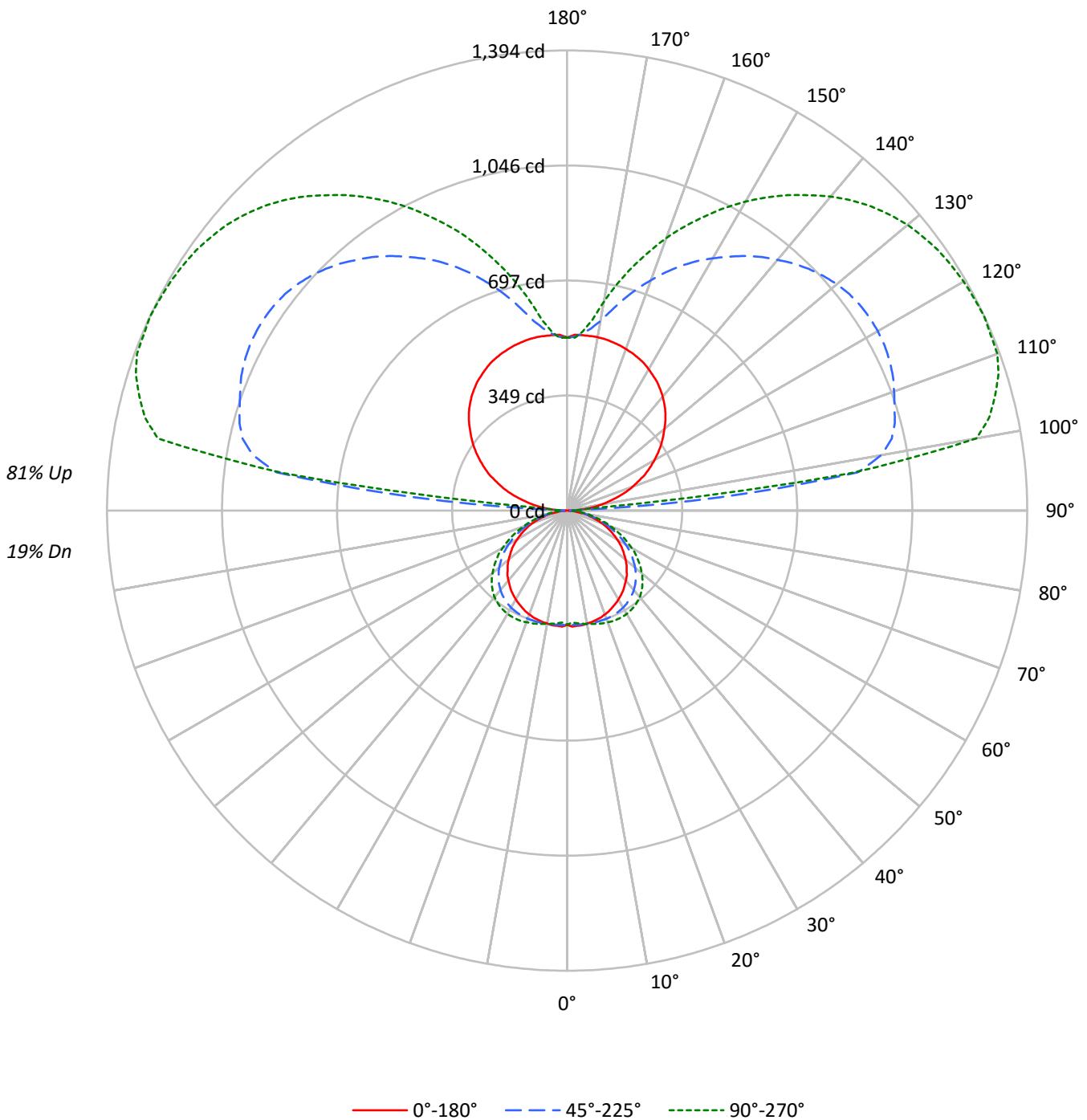
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395757

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (6500K)

Luminous Intensity Polar Plot





TEST NUMBER: P395757

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (6500K)

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	50	30	10	50	30	10	0		
RCR																										
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19					19			
1	91	87	83	79	80	76	73	71	58	56	54	40	39	38	24	24	23	16					16			
2	82	75	69	64	72	67	62	58	50	47	44	35	33	31	21	20	19	13					13			
3	75	66	59	53	66	58	52	48	44	40	37	31	28	26	19	17	16	11					11			
4	68	58	51	45	60	51	45	40	39	35	31	27	24	22	16	15	14	9					9			
5	63	51	44	38	55	46	39	34	35	30	26	24	21	19	15	13	12	8					8			
6	57	46	38	33	50	41	34	29	31	26	23	22	19	16	13	12	10	7					7			
7	53	41	34	28	46	37	30	25	28	23	20	20	17	14	12	10	9	6					6			
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5					5			
9	45	34	26	22	40	30	24	20	23	18	15	16	13	11	10	8	7	5					5			
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	8	6	4					4			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1900	1900	1900
5°	1926	1872	1836
10°	1923	1860	1839
15°	1927	1853	1854
20°	1928	1860	1876
25°	1925	1865	1904
30°	1928	1868	1923
35°	1926	1858	1931
40°	1918	1844	1920
45°	1901	1805	1878
50°	1884	1747	1809
55°	1851	1662	1705
60°	1794	1542	1569
65°	1715	1373	1399
70°	1620	1191	1181
75°	1404	934	947
80°	1117	672	686
85°	662	390	451



TEST NUMBER: P395757

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (6500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.1	0.5
10°-20°	98.6	1.6
20°-30°	158.6	2.5
30°-40°	204.2	3.2
40°-50°	224.2	3.5
50°-60°	210.8	3.3
60°-70°	163.7	2.6
70°-80°	93.9	1.5
80°-90°	30.1	0.5
90°-100°	405.7	6.4
100°-110°	964.0	15.2
110°-120°	968.4	15.3
120°-130°	888.1	14.0
130°-140°	742.6	11.7
140°-150°	557.4	8.8
150°-160°	362.8	5.7
160°-170°	186.8	2.9
170°-180°	52.9	0.8
0°-30°	290.3	4.6
0°-40°	494.5	7.8
0°-60°	929.5	14.6
0°-90°	1217.3	19.2
90°-120°	2338.0	36.8
90°-150°	4526.0	71.3
90°-180°	5129.0	80.8
0°-180°	6345.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	346	346	346	346	346	
5°	350	347	347	346	342	33
15°	342	341	349	353	355	97
25°	324	327	346	358	363	149
35°	296	303	328	349	355	185
45°	255	267	294	316	322	197
55°	205	216	239	256	263	183
65°	144	152	166	180	184	142
75°	77	80	88	97	100	82
85°	16	19	25	33	34	18
90°	2	5	9	14	16	5
95°	55	454	466	63	53	54
105°	158	608	1028	1267	1342	167
115°	261	685	1078	1311	1394	257
125°	347	715	1084	1298	1373	310
135°	421	712	1035	1231	1303	324
145°	475	682	942	1106	1167	297
155°	510	626	818	937	982	235
165°	529	565	663	735	763	150
175°	533	532	538	544	544	51
180°	524	524	524	524	524	



TEST NUMBER: P395757

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6
2.5°	351.9	350.3	348.8	348.8	347.2	347.2	347.2	345.6	345.6	345.6	347.2
5°	350.3	350.3	348.8	347.2	347.2	347.2	345.6	345.6	345.6	345.6	347.2
7.5°	350.3	348.8	347.2	347.2	345.6	345.6	345.6	345.6	345.6	345.6	347.2
10°	347.2	347.2	345.6	345.6	344.1	345.6	345.6	345.6	345.6	345.6	348.8
12.5°	345.6	345.6	344.1	342.5	342.5	342.5	344.1	344.1	344.1	345.6	348.8
15°	342.5	342.5	340.9	340.9	340.9	340.9	342.5	342.5	344.1	345.6	348.8
17.5°	339.4	339.4	337.8	337.8	337.8	339.4	339.4	340.9	342.5	345.6	348.8
20°	334.7	334.7	334.7	334.7	334.7	336.2	336.2	337.8	340.9	344.1	348.8
22.5°	330.0	330.0	330.0	330.0	330.0	331.6	333.1	336.2	337.8	342.5	347.2
25°	323.7	323.7	323.7	323.7	325.3	326.9	328.4	331.6	334.7	339.4	345.6
27.5°	317.5	319.0	319.0	319.0	320.6	322.2	323.7	326.9	331.6	337.8	342.5
30°	311.2	311.2	311.2	312.8	314.3	315.9	319.0	322.2	326.9	333.1	339.4
32.5°	303.4	303.4	305.0	305.0	308.1	309.7	312.8	317.5	322.2	328.4	334.7
35°	295.6	295.6	295.6	298.7	300.3	303.4	305.0	309.7	315.9	322.2	328.4
37.5°	286.2	287.8	287.8	289.3	292.5	295.6	297.1	303.4	309.7	315.9	322.2
40°	276.8	278.4	278.4	279.9	284.6	286.2	289.3	295.6	300.3	308.1	314.3
42.5°	267.4	267.4	269.0	270.6	275.3	276.8	279.9	286.2	292.5	298.7	305.0
45°	254.9	256.5	258.0	259.6	264.3	267.4	270.6	275.3	281.5	287.8	294.0
47.5°	244.0	244.0	245.5	248.7	253.4	256.5	258.0	264.3	269.0	275.3	281.5
50°	231.5	233.0	233.0	236.2	240.8	244.0	245.5	251.8	256.5	262.7	269.0
52.5°	217.4	219.0	220.5	223.6	228.3	231.5	233.0	237.7	242.4	248.7	253.4
55°	204.9	206.4	206.4	209.6	214.3	215.8	219.0	222.1	228.3	233.0	239.3
57.5°	190.8	192.4	192.4	195.5	198.6	201.7	203.3	208.0	212.7	217.4	222.1
60°	175.2	176.7	178.3	179.9	183.0	186.1	187.7	190.8	195.5	200.2	204.9
62.5°	159.5	161.1	162.6	164.2	167.3	168.9	170.5	175.2	178.3	183.0	186.1
65°	143.9	145.4	147.0	148.6	150.1	151.7	153.3	156.4	159.5	164.2	165.8
67.5°	128.2	129.8	129.8	131.4	132.9	134.5	136.1	139.2	140.8	145.4	147.0
70°	112.6	112.6	112.6	114.2	114.2	115.7	117.3	120.4	122.0	125.1	128.2
72.5°	93.8	95.4	95.4	95.4	97.0	98.5	100.1	101.7	103.2	104.8	107.9
75°	76.6	78.2	76.6	78.2	79.8	79.8	81.3	82.9	84.5	86.0	87.6
77.5°	61.0	59.4	61.0	61.0	62.6	62.6	62.6	64.1	67.2	67.2	70.4
80°	43.8	43.8	43.8	43.8	45.4	45.4	46.9	46.9	50.0	51.6	53.2
82.5°	28.2	28.2	29.7	29.7	29.7	31.3	31.3	32.8	34.4	36.0	37.5
85°	15.6	15.6	15.6	17.2	17.2	18.8	18.8	20.3	21.9	23.5	25.0
87.5°	4.7	6.3	7.8	7.8	9.4	9.4	10.9	10.9	14.1	15.6	17.2
90°	1.6	1.6	3.1	3.1	3.1	4.7	4.7	6.3	6.3	7.8	9.4
92.5°	26.6	62.6	129.8	193.9	167.3	156.4	93.8	28.2	25.0	26.6	26.6
95°	54.7	103.2	189.2	306.5	397.2	453.5	491.1	563.0	636.5	624.0	466.1
97.5°	79.8	132.9	228.3	336.2	461.4	525.5	574.0	660.0	753.8	832.0	888.3
100°	104.8	159.5	261.2	373.8	489.5	547.4	603.7	721.0	813.2	891.4	966.5
102.5°	131.4	186.1	290.9	408.2	522.4	578.7	633.4	736.6	839.8	933.7	1007.2
105°	158.0	214.3	317.5	437.9	552.1	608.4	661.5	760.1	855.5	943.0	1027.5
107.5°	186.1	239.3	340.9	461.4	575.5	631.8	685.0	783.5	875.8	963.4	1040.0
110°	211.1	262.7	364.4	483.3	597.4	653.7	706.9	805.4	896.1	979.0	1054.1



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CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	234.6	284.6	386.3	502.0	614.6	670.9	722.5	821.1	911.8	993.1	1068.2
115°	261.2	305.0	408.2	519.2	630.3	685.0	736.6	833.6	924.3	1004.0	1077.5
117.5°	283.1	325.3	427.0	533.3	642.8	695.9	746.0	843.0	932.1	1011.9	1083.8
120°	305.0	344.1	444.2	545.8	652.2	703.8	753.8	849.2	938.4	1016.6	1086.9
122.5°	326.9	362.8	458.2	558.3	660.0	711.6	760.1	853.9	941.5	1018.1	1086.9
125°	347.2	378.5	470.7	567.7	664.7	714.7	761.6	853.9	939.9	1015.0	1083.8
127.5°	366.0	395.7	480.1	577.1	667.8	716.3	761.6	850.8	936.8	1010.3	1077.5
130°	384.7	411.3	489.5	581.8	670.9	714.7	758.5	844.5	929.0	1002.5	1066.6
132.5°	403.5	428.5	497.3	586.5	672.5	714.7	755.4	838.3	919.6	991.5	1052.5
135°	420.7	441.0	505.1	589.6	670.9	711.6	749.1	827.3	905.5	975.9	1035.3
137.5°	436.3	453.5	511.4	591.2	669.4	706.9	744.4	814.8	888.3	957.1	1015.0
140°	450.4	466.1	514.5	591.2	663.1	700.6	735.0	802.3	869.5	935.2	991.5
142.5°	462.9	477.0	519.2	588.0	656.9	692.8	725.7	789.8	850.8	913.3	968.1
145°	475.4	486.4	522.4	586.5	649.0	681.9	713.2	774.1	833.6	889.9	941.5
147.5°	484.8	495.8	525.5	580.2	639.6	669.4	699.1	756.9	811.7	864.9	911.8
150°	494.2	503.6	527.0	574.0	628.7	655.3	681.9	736.6	789.8	838.3	882.1
152.5°	503.6	509.8	531.7	567.7	616.2	641.2	667.8	716.3	764.8	810.1	852.3
155°	509.8	514.5	533.3	561.5	603.7	625.6	647.5	692.8	736.6	778.8	817.9
157.5°	516.1	520.8	534.9	556.8	589.6	609.9	628.7	667.8	708.5	746.0	782.0
160°	520.8	523.9	534.9	553.6	577.1	591.2	608.4	644.3	678.7	711.6	742.9
162.5°	525.5	527.0	534.9	548.9	566.1	575.5	588.0	616.2	647.5	675.6	703.8
165°	528.6	530.2	534.9	545.8	556.8	564.6	570.8	591.2	614.6	639.6	663.1
167.5°	531.7	531.7	534.9	542.7	548.9	553.6	558.3	569.3	584.9	603.7	620.9
170°	533.3	533.3	534.9	539.6	544.2	545.8	548.9	555.2	563.0	572.4	583.3
172.5°	533.3	533.3	533.3	536.4	538.0	538.0	538.0	541.1	545.8	552.1	556.8
175°	533.3	531.7	531.7	533.3	531.7	531.7	531.7	531.7	533.3	536.4	538.0
177.5°	533.3	531.7	530.2	530.2	528.6	528.6	527.0	527.0	527.0	527.0	527.0
180°	523.9	523.9	523.9	523.9	523.9	523.9	523.9	523.9	523.9	523.9	523.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6
2.5°	347.2	347.2	345.6	344.1	344.1	344.1	342.5	340.9	339.4	339.4
5°	347.2	347.2	345.6	345.6	345.6	345.6	344.1	344.1	342.5	342.5
7.5°	348.8	347.2	347.2	347.2	347.2	347.2	347.2	347.2	345.6	345.6
10°	348.8	348.8	348.8	348.8	348.8	348.8	348.8	348.8	348.8	348.8
12.5°	350.3	350.3	350.3	350.3	351.9	351.9	351.9	351.9	351.9	351.9
15°	350.3	351.9	353.4	353.4	353.4	355.0	355.0	355.0	355.0	355.0
17.5°	351.9	353.4	355.0	355.0	356.6	356.6	358.1	358.1	358.1	358.1
20°	351.9	353.4	355.0	356.6	358.1	358.1	359.7	361.3	361.3	359.7
22.5°	350.3	353.4	355.0	356.6	358.1	359.7	361.3	362.8	362.8	362.8
25°	348.8	351.9	355.0	358.1	358.1	359.7	362.8	362.8	362.8	362.8
27.5°	347.2	350.3	353.4	356.6	358.1	359.7	361.3	362.8	362.8	362.8
30°	344.1	348.8	351.9	355.0	356.6	358.1	359.7	361.3	361.3	361.3
32.5°	339.4	344.1	347.2	351.9	353.4	355.0	356.6	358.1	358.1	358.1
35°	334.7	339.4	342.5	347.2	348.8	350.3	353.4	353.4	355.0	355.0
37.5°	326.9	333.1	336.2	340.9	342.5	344.1	347.2	348.8	348.8	348.8
40°	319.0	325.3	328.4	333.1	334.7	336.2	339.4	340.9	342.5	342.5
42.5°	309.7	315.9	319.0	323.7	325.3	326.9	330.0	331.6	333.1	333.1
45°	300.3	305.0	308.1	312.8	315.9	315.9	319.0	320.6	322.2	322.2
47.5°	287.8	292.5	295.6	300.3	303.4	305.0	306.5	308.1	309.7	309.7
50°	273.7	278.4	283.1	286.2	289.3	289.3	292.5	294.0	295.6	295.6
52.5°	259.6	262.7	267.4	272.1	273.7	275.3	276.8	278.4	279.9	279.9
55°	244.0	247.1	251.8	254.9	256.5	258.0	259.6	261.2	262.7	262.7
57.5°	226.8	229.9	234.6	237.7	239.3	240.8	242.4	244.0	245.5	245.5
60°	208.0	211.1	215.8	219.0	220.5	220.5	223.6	225.2	225.2	225.2
62.5°	189.2	192.4	195.5	198.6	200.2	201.7	203.3	204.9	204.9	204.9
65°	170.5	173.6	176.7	178.3	179.9	179.9	181.4	183.0	184.5	184.5
67.5°	150.1	153.3	156.4	158.0	159.5	159.5	161.1	162.6	162.6	162.6
70°	129.8	131.4	134.5	136.1	137.6	137.6	140.8	140.8	140.8	140.8
72.5°	109.5	111.0	114.2	115.7	117.3	117.3	118.9	120.4	120.4	120.4
75°	90.7	92.3	93.8	97.0	97.0	97.0	98.5	100.1	100.1	100.1
77.5°	71.9	73.5	75.1	76.6	78.2	78.2	79.8	81.3	81.3	81.3
80°	54.7	56.3	57.9	59.4	59.4	61.0	61.0	62.6	62.6	62.6
82.5°	39.1	40.7	42.2	43.8	45.4	45.4	46.9	48.5	48.5	46.9
85°	26.6	29.7	31.3	32.8	32.8	32.8	34.4	36.0	36.0	34.4
87.5°	18.8	18.8	20.3	21.9	21.9	23.5	23.5	25.0	25.0	25.0
90°	10.9	10.9	12.5	12.5	14.1	14.1	14.1	15.6	15.6	15.6
92.5°	26.6	26.6	28.2	28.2	28.2	28.2	29.7	29.7	29.7	29.7
95°	284.6	128.2	107.9	65.7	62.6	54.7	53.2	54.7	54.7	53.2
97.5°	955.6	1022.8	1065.0	1085.4	1060.3	1033.8	1004.0	999.4	958.7	868.0
100°	1030.6	1083.8	1135.4	1171.4	1185.5	1198.0	1226.1	1243.3	1251.1	1259.0
102.5°	1068.2	1124.5	1169.8	1215.2	1233.9	1251.1	1276.2	1296.5	1304.3	1310.6
105°	1101.0	1158.9	1208.9	1249.6	1266.8	1282.4	1307.4	1326.2	1340.3	1341.9
107.5°	1108.8	1169.8	1226.1	1276.2	1296.5	1313.7	1343.4	1357.5	1370.0	1370.0
110°	1122.9	1180.8	1232.4	1277.7	1298.1	1318.4	1349.7	1371.6	1384.1	1387.2



TEST NUMBER: P395757

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1133.8	1193.3	1241.8	1287.1	1304.3	1323.1	1352.8	1373.1	1384.1	1388.8
115°	1143.2	1201.1	1249.6	1291.8	1310.6	1329.3	1359.1	1376.3	1388.8	1393.5
117.5°	1149.5	1205.8	1254.3	1293.4	1313.7	1329.3	1357.5	1376.3	1388.8	1390.3
120°	1151.1	1207.4	1254.3	1293.4	1310.6	1327.8	1355.9	1374.7	1387.2	1387.2
122.5°	1151.1	1205.8	1252.7	1290.2	1305.9	1321.5	1348.1	1370.0	1380.9	1380.9
125°	1144.8	1199.5	1244.9	1282.4	1298.1	1312.1	1340.3	1360.6	1371.6	1373.1
127.5°	1135.4	1188.6	1233.9	1271.5	1287.1	1299.6	1329.3	1348.1	1359.1	1360.6
130°	1122.9	1176.1	1219.9	1255.8	1271.5	1285.5	1310.6	1330.9	1343.4	1346.5
132.5°	1108.8	1158.9	1202.7	1237.1	1252.7	1265.2	1290.2	1310.6	1321.5	1326.2
135°	1091.6	1138.5	1180.8	1215.2	1230.8	1243.3	1266.8	1287.1	1298.1	1302.8
137.5°	1069.7	1115.1	1155.7	1190.2	1204.2	1216.7	1240.2	1259.0	1268.3	1274.6
140°	1044.7	1086.9	1129.2	1160.4	1174.5	1187.0	1207.4	1227.7	1237.1	1241.8
142.5°	1018.1	1060.3	1097.9	1129.2	1141.7	1154.2	1174.5	1193.3	1202.7	1204.2
145°	990.0	1030.6	1065.0	1094.8	1105.7	1118.2	1137.0	1155.7	1165.1	1166.7
147.5°	958.7	996.2	1029.1	1057.2	1069.7	1079.1	1096.3	1113.5	1122.9	1124.5
150°	922.7	957.1	986.8	1015.0	1025.9	1035.3	1054.1	1069.7	1079.1	1080.7
152.5°	888.3	921.2	946.2	971.2	982.1	991.5	1007.2	1022.8	1032.2	1033.8
155°	852.3	882.1	907.1	927.4	936.8	946.2	958.7	972.8	980.6	982.1
157.5°	814.8	843.0	864.9	883.6	893.0	900.8	911.8	924.3	929.0	932.1
160°	774.1	797.6	816.4	835.1	843.0	850.8	861.7	871.1	877.4	878.9
162.5°	730.4	750.7	766.3	783.5	788.2	794.5	805.4	814.8	819.5	821.1
165°	685.0	703.8	717.8	731.9	735.0	739.7	747.6	756.9	760.1	763.2
167.5°	639.6	655.3	664.7	677.2	681.9	685.0	692.8	699.1	702.2	703.8
170°	595.9	606.8	614.6	624.0	625.6	630.3	635.0	641.2	642.8	642.8
172.5°	561.5	566.1	570.8	574.0	575.5	577.1	580.2	581.8	581.8	581.8
175°	539.6	542.7	542.7	544.2	544.2	544.2	544.2	544.2	544.2	544.2
177.5°	527.0	527.0	527.0	525.5	525.5	525.5	525.5	523.9	523.9	523.9
180°	523.9	523.9	523.9	523.9	523.9	523.9	523.9	523.9	523.9	523.9

(END OF REPORT)