

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: P395760

Luminaire Tested: **I3-UL-60L83050-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395760
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-60L83050-1D-UNV-W2A-W-4 (4000K)
Description: CORELITE I3, OPEN TOP
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 3000K/5000K CCT, 80 CRI LEDS, TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6394.4 lumens
Efficiency: N/A
Efficacy: 141.8 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

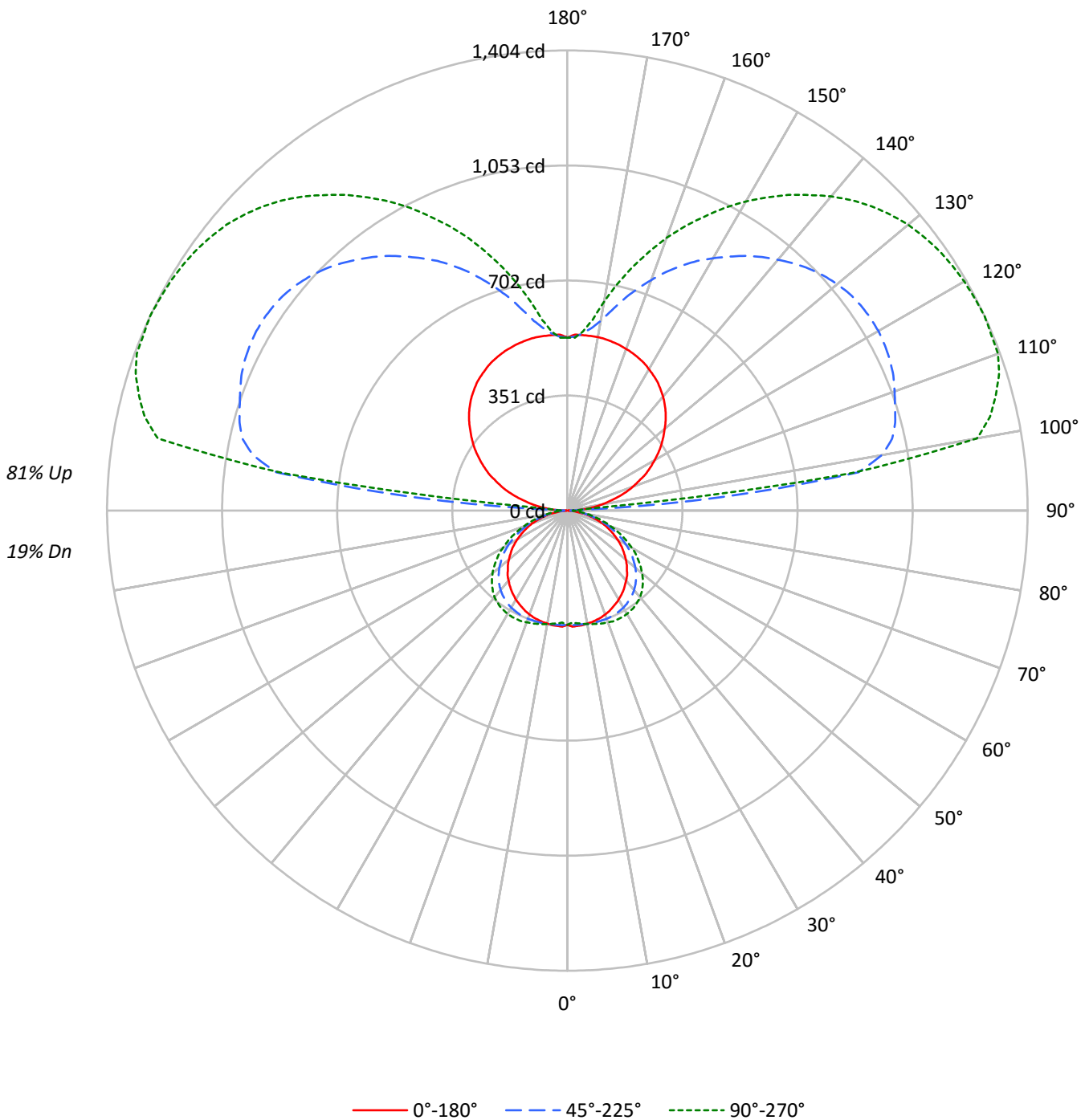
Input Watts (W): 45.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	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				
1	91	87	83	79	80	76	73	71	58	56	54	40	39	38	24	24	23	16				
2	82	75	69	64	72	67	62	58	50	47	44	35	33	31	21	20	19	13				
3	75	66	59	53	66	58	52	48	44	40	37	31	28	26	19	17	16	11				
4	68	58	51	45	60	51	45	40	39	35	31	27	24	22	16	15	14	9				
5	63	51	44	38	55	46	39	34	35	30	26	24	21	19	15	13	12	8				
6	57	46	38	33	50	41	34	29	31	26	23	22	19	16	13	12	10	7				
7	53	41	34	28	46	37	30	25	28	23	20	20	17	14	12	10	9	6				
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5				
9	45	34	26	22	40	30	24	20	23	18	15	16	13	11	10	8	7	5				
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	8	6	4				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1914	1914	1914
5°	1940	1887	1850
10°	1938	1873	1852
15°	1942	1867	1869
20°	1942	1874	1891
25°	1940	1879	1919
30°	1943	1882	1937
35°	1940	1872	1946
40°	1932	1859	1935
45°	1915	1820	1892
50°	1898	1761	1822
55°	1865	1675	1719
60°	1807	1554	1581
65°	1728	1383	1411
70°	1633	1200	1189
75°	1415	941	955
80°	1125	677	690
85°	670	394	455



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.3	0.5
10°-20°	99.4	1.6
20°-30°	159.9	2.5
30°-40°	205.7	3.2
40°-50°	226.0	3.5
50°-60°	212.4	3.3
60°-70°	165.0	2.6
70°-80°	94.6	1.5
80°-90°	30.3	0.5
90°-100°	408.8	6.4
100°-110°	971.4	15.2
110°-120°	975.8	15.3
120°-130°	894.9	14.0
130°-140°	748.3	11.7
140°-150°	561.6	8.8
150°-160°	365.6	5.7
160°-170°	188.3	2.9
170°-180°	53.3	0.8
0°-30°	292.6	4.6
0°-40°	498.3	7.8
0°-60°	936.6	14.6
0°-90°	1226.6	19.2
90°-120°	2355.9	36.8
90°-150°	4560.7	71.3
90°-180°	5168.0	80.8
0°-180°	6394.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	348	348	348	348	348	
5°	353	350	350	348	345	34
15°	345	344	351	356	358	98
25°	326	329	348	361	366	151
35°	298	306	331	351	358	186
45°	257	270	296	318	325	199
55°	206	218	241	258	265	184
65°	145	153	167	181	186	144
75°	77	80	88	98	101	82
85°	16	19	25	33	35	19
90°	2	5	10	14	16	5
95°	55	457	470	63	54	55
105°	159	613	1035	1276	1352	168
115°	263	690	1086	1321	1404	259
125°	350	720	1092	1308	1384	312
135°	424	717	1043	1240	1313	327
145°	479	687	949	1114	1176	299
155°	514	630	824	944	990	237
165°	533	569	668	741	769	151
175°	537	536	542	548	548	51
180°	528	528	528	528	528	



TEST NUMBER: P395760

CATALOG NUMBER: I3-UL-60L83050-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	348.3	348.3	348.3	348.3	348.3	348.3	348.3	348.3	348.3	348.3	348.3
2.5°	354.6	353.0	351.4	351.4	349.9	349.9	349.9	348.3	348.3	348.3	349.9
5°	353.0	353.0	351.4	349.9	349.9	349.9	348.3	348.3	348.3	348.3	349.9
7.5°	353.0	351.4	349.9	349.9	348.3	348.3	348.3	348.3	348.3	348.3	349.9
10°	349.9	349.9	348.3	348.3	346.7	348.3	348.3	348.3	348.3	348.3	351.4
12.5°	348.3	348.3	346.7	345.1	345.1	345.1	346.7	346.7	346.7	348.3	351.4
15°	345.1	345.1	343.5	343.5	343.5	343.5	345.1	345.1	346.7	348.3	351.4
17.5°	342.0	342.0	340.4	340.4	340.4	342.0	342.0	343.5	345.1	348.3	351.4
20°	337.2	337.2	337.2	337.2	337.2	338.8	338.8	340.4	343.5	346.7	351.4
22.5°	332.5	332.5	332.5	332.5	332.5	334.1	335.7	338.8	340.4	345.1	349.9
25°	326.2	326.2	326.2	326.2	327.8	329.4	330.9	334.1	337.2	342.0	348.3
27.5°	319.9	321.5	321.5	321.5	323.1	324.6	326.2	329.4	334.1	340.4	345.1
30°	313.6	313.6	313.6	315.2	316.8	318.3	321.5	324.6	329.4	335.7	342.0
32.5°	305.7	305.7	307.3	307.3	310.5	312.0	315.2	319.9	324.6	330.9	337.2
35°	297.8	297.8	297.8	301.0	302.6	305.7	307.3	312.0	318.3	324.6	330.9
37.5°	288.4	290.0	290.0	291.5	294.7	297.8	299.4	305.7	312.0	318.3	324.6
40°	278.9	280.5	280.5	282.1	286.8	288.4	291.5	297.8	302.6	310.5	316.8
42.5°	269.5	269.5	271.1	272.6	277.4	278.9	282.1	288.4	294.7	301.0	307.3
45°	256.9	258.4	260.0	261.6	266.3	269.5	272.6	277.4	283.7	290.0	296.3
47.5°	245.8	245.8	247.4	250.6	255.3	258.4	260.0	266.3	271.1	277.4	283.7
50°	233.2	234.8	234.8	238.0	242.7	245.8	247.4	253.7	258.4	264.8	271.1
52.5°	219.1	220.6	222.2	225.4	230.1	233.2	234.8	239.5	244.3	250.6	255.3
55°	206.4	208.0	208.0	211.2	215.9	217.5	220.6	223.8	230.1	234.8	241.1
57.5°	192.3	193.8	193.8	197.0	200.1	203.3	204.9	209.6	214.3	219.1	223.8
60°	176.5	178.1	179.7	181.2	184.4	187.5	189.1	192.3	197.0	201.7	206.4
62.5°	160.7	162.3	163.9	165.5	168.6	170.2	171.8	176.5	179.7	184.4	187.5
65°	145.0	146.6	148.1	149.7	151.3	152.9	154.4	157.6	160.7	165.5	167.0
67.5°	129.2	130.8	130.8	132.4	134.0	135.5	137.1	140.3	141.8	146.6	148.1
70°	113.5	113.5	113.5	115.0	115.0	116.6	118.2	121.3	122.9	126.1	129.2
72.5°	94.6	96.1	96.1	96.1	97.7	99.3	100.9	102.4	104.0	105.6	108.7
75°	77.2	78.8	77.2	78.8	80.4	80.4	81.9	83.5	85.1	86.7	88.3
77.5°	61.5	59.9	61.5	61.5	63.0	63.0	63.0	64.6	67.8	67.8	70.9
80°	44.1	44.1	44.1	44.1	45.7	45.7	47.3	47.3	50.4	52.0	53.6
82.5°	28.4	28.4	29.9	29.9	29.9	31.5	31.5	33.1	34.7	36.2	37.8
85°	15.8	15.8	15.8	17.3	17.3	18.9	18.9	20.5	22.1	23.6	25.2
87.5°	4.7	6.3	7.9	7.9	9.5	9.5	11.0	11.0	14.2	15.8	17.3
90°	1.6	1.6	3.2	3.2	3.2	4.7	4.7	6.3	6.3	7.9	9.5
92.5°	26.8	63.0	130.8	195.4	168.6	157.6	94.6	28.4	25.2	26.8	26.8
95°	55.2	104.0	190.7	308.9	400.3	457.0	494.8	567.3	641.4	628.8	469.6
97.5°	80.4	134.0	230.1	338.8	464.9	529.5	578.4	665.0	759.6	838.4	895.1
100°	105.6	160.7	263.2	376.6	493.3	551.6	608.3	726.5	819.5	898.3	973.9
102.5°	132.4	187.5	293.1	411.3	526.4	583.1	638.2	742.2	846.3	940.8	1014.9
105°	159.2	215.9	319.9	441.3	556.3	613.0	666.6	765.9	862.0	950.3	1035.4
107.5°	187.5	241.1	343.5	464.9	579.9	636.7	690.2	789.5	882.5	970.8	1048.0
110°	212.7	264.8	367.2	487.0	602.0	658.7	712.3	811.6	903.0	986.5	1062.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	236.4	286.8	389.2	505.9	619.3	676.1	728.1	827.3	918.8	1000.7	1076.3
115°	263.2	307.3	411.3	523.2	635.1	690.2	742.2	840.0	931.4	1011.7	1085.8
117.5°	285.2	327.8	430.2	537.4	647.7	701.3	751.7	849.4	939.2	1019.6	1092.1
120°	307.3	346.7	447.6	550.0	657.2	709.2	759.6	855.7	945.5	1024.3	1095.3
122.5°	329.4	365.6	461.7	562.6	665.0	717.0	765.9	860.4	948.7	1025.9	1095.3
125°	349.9	381.4	474.3	572.1	669.8	720.2	767.5	860.4	947.1	1022.8	1092.1
127.5°	368.8	398.7	483.8	581.5	672.9	721.8	767.5	857.3	944.0	1018.0	1085.8
130°	387.7	414.5	493.3	586.2	676.1	720.2	764.3	851.0	936.1	1010.2	1074.8
132.5°	406.6	431.8	501.1	591.0	677.6	720.2	761.2	844.7	926.6	999.1	1060.6
135°	423.9	444.4	509.0	594.1	676.1	717.0	754.9	833.7	912.4	983.4	1043.2
137.5°	439.7	457.0	515.3	595.7	674.5	712.3	750.1	821.0	895.1	964.5	1022.8
140°	453.9	469.6	518.5	595.7	668.2	706.0	740.7	808.4	876.2	942.4	999.1
142.5°	466.5	480.7	523.2	592.5	661.9	698.1	731.2	795.8	857.3	920.3	975.5
145°	479.1	490.1	526.4	591.0	654.0	687.1	718.6	780.1	840.0	896.7	948.7
147.5°	488.5	499.6	529.5	584.7	644.5	674.5	704.4	762.7	817.9	871.5	918.8
150°	498.0	507.4	531.1	578.4	633.5	660.3	687.1	742.2	795.8	844.7	888.8
152.5°	507.4	513.7	535.8	572.1	620.9	646.1	672.9	721.8	770.6	816.3	858.9
155°	513.7	518.5	537.4	565.7	608.3	630.4	652.4	698.1	742.2	784.8	824.2
157.5°	520.0	524.8	539.0	561.0	594.1	614.6	633.5	672.9	713.9	751.7	788.0
160°	524.8	527.9	539.0	557.9	581.5	595.7	613.0	649.3	683.9	717.0	748.6
162.5°	529.5	531.1	539.0	553.1	570.5	579.9	592.5	620.9	652.4	680.8	709.2
165°	532.7	534.2	539.0	550.0	561.0	568.9	575.2	595.7	619.3	644.5	668.2
167.5°	535.8	535.8	539.0	546.8	553.1	557.9	562.6	573.6	589.4	608.3	625.6
170°	537.4	537.4	539.0	543.7	548.4	550.0	553.1	559.4	567.3	576.8	587.8
172.5°	537.4	537.4	537.4	540.5	542.1	542.1	542.1	545.3	550.0	556.3	561.0
175°	537.4	535.8	535.8	537.4	535.8	535.8	535.8	535.8	537.4	540.5	542.1
177.5°	537.4	535.8	534.2	534.2	532.7	532.7	531.1	531.1	531.1	531.1	531.1
180°	527.9	527.9	527.9	527.9	527.9	527.9	527.9	527.9	527.9	527.9	527.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	348.3	348.3	348.3	348.3	348.3	348.3	348.3	348.3	348.3	348.3
2.5°	349.9	349.9	348.3	346.7	346.7	346.7	345.1	343.5	342.0	342.0
5°	349.9	349.9	348.3	348.3	348.3	348.3	346.7	346.7	345.1	345.1
7.5°	351.4	349.9	349.9	349.9	349.9	349.9	349.9	349.9	348.3	348.3
10°	351.4	351.4	351.4	351.4	351.4	351.4	351.4	351.4	351.4	351.4
12.5°	353.0	353.0	353.0	353.0	354.6	354.6	354.6	354.6	354.6	354.6
15°	353.0	354.6	356.2	356.2	356.2	357.7	357.7	357.7	357.7	357.7
17.5°	354.6	356.2	357.7	357.7	359.3	359.3	360.9	360.9	360.9	360.9
20°	354.6	356.2	357.7	359.3	360.9	360.9	362.5	364.0	364.0	362.5
22.5°	353.0	356.2	357.7	359.3	360.9	362.5	364.0	365.6	365.6	365.6
25°	351.4	354.6	357.7	360.9	360.9	362.5	365.6	365.6	365.6	365.6
27.5°	349.9	353.0	356.2	359.3	360.9	362.5	364.0	365.6	365.6	365.6
30°	346.7	351.4	354.6	357.7	359.3	360.9	362.5	364.0	364.0	364.0
32.5°	342.0	346.7	349.9	354.6	356.2	357.7	359.3	360.9	360.9	360.9
35°	337.2	342.0	345.1	349.9	351.4	353.0	356.2	356.2	357.7	357.7
37.5°	329.4	335.7	338.8	343.5	345.1	346.7	349.9	351.4	351.4	351.4
40°	321.5	327.8	330.9	335.7	337.2	338.8	342.0	343.5	345.1	345.1
42.5°	312.0	318.3	321.5	326.2	327.8	329.4	332.5	334.1	335.7	335.7
45°	302.6	307.3	310.5	315.2	318.3	318.3	321.5	323.1	324.6	324.6
47.5°	290.0	294.7	297.8	302.6	305.7	307.3	308.9	310.5	312.0	312.0
50°	275.8	280.5	285.2	288.4	291.5	291.5	294.7	296.3	297.8	297.8
52.5°	261.6	264.8	269.5	274.2	275.8	277.4	278.9	280.5	282.1	282.1
55°	245.8	249.0	253.7	256.9	258.4	260.0	261.6	263.2	264.8	264.8
57.5°	228.5	231.7	236.4	239.5	241.1	242.7	244.3	245.8	247.4	247.4
60°	209.6	212.7	217.5	220.6	222.2	222.2	225.4	226.9	226.9	226.9
62.5°	190.7	193.8	197.0	200.1	201.7	203.3	204.9	206.4	206.4	206.4
65°	171.8	174.9	178.1	179.7	181.2	181.2	182.8	184.4	186.0	186.0
67.5°	151.3	154.4	157.6	159.2	160.7	160.7	162.3	163.9	163.9	163.9
70°	130.8	132.4	135.5	137.1	138.7	138.7	141.8	141.8	141.8	141.8
72.5°	110.3	111.9	115.0	116.6	118.2	118.2	119.8	121.3	121.3	121.3
75°	91.4	93.0	94.6	97.7	97.7	97.7	99.3	100.9	100.9	100.9
77.5°	72.5	74.1	75.6	77.2	78.8	78.8	80.4	81.9	81.9	81.9
80°	55.2	56.7	58.3	59.9	59.9	61.5	61.5	63.0	63.0	63.0
82.5°	39.4	41.0	42.5	44.1	45.7	45.7	47.3	48.9	48.9	47.3
85°	26.8	29.9	31.5	33.1	33.1	33.1	34.7	36.2	36.2	34.7
87.5°	18.9	18.9	20.5	22.1	22.1	23.6	23.6	25.2	25.2	25.2
90°	11.0	11.0	12.6	12.6	14.2	14.2	14.2	15.8	15.8	15.8
92.5°	26.8	26.8	28.4	28.4	28.4	28.4	29.9	29.9	29.9	29.9
95°	286.8	129.2	108.7	66.2	63.0	55.2	53.6	55.2	55.2	53.6
97.5°	962.9	1030.6	1073.2	1093.7	1068.5	1041.7	1011.7	1007.0	966.0	874.6
100°	1038.5	1092.1	1144.1	1180.4	1194.5	1207.1	1235.5	1252.8	1260.7	1268.6
102.5°	1076.3	1133.1	1178.8	1224.5	1243.4	1260.7	1285.9	1306.4	1314.3	1320.6
105°	1109.4	1167.7	1218.2	1259.1	1276.5	1292.2	1317.5	1336.4	1350.5	1352.1
107.5°	1117.3	1178.8	1235.5	1285.9	1306.4	1323.8	1353.7	1367.9	1380.5	1380.5
110°	1131.5	1189.8	1241.8	1287.5	1308.0	1328.5	1360.0	1382.1	1394.7	1397.8



TEST NUMBER: P395760

CATALOG NUMBER: I3-UL-60L83050-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1142.5	1202.4	1251.3	1297.0	1314.3	1333.2	1363.2	1383.6	1394.7	1399.4
115°	1152.0	1210.3	1259.1	1301.7	1320.6	1339.5	1369.5	1386.8	1399.4	1404.1
117.5°	1158.3	1215.0	1263.9	1303.3	1323.8	1339.5	1367.9	1386.8	1399.4	1401.0
120°	1159.9	1216.6	1263.9	1303.3	1320.6	1337.9	1366.3	1385.2	1397.8	1397.8
122.5°	1159.9	1215.0	1262.3	1300.1	1315.9	1331.6	1358.4	1380.5	1391.5	1391.5
125°	1153.6	1208.7	1254.4	1292.2	1308.0	1322.2	1350.5	1371.0	1382.1	1383.6
127.5°	1144.1	1197.7	1243.4	1281.2	1297.0	1309.6	1339.5	1358.4	1369.5	1371.0
130°	1131.5	1185.1	1229.2	1265.4	1281.2	1295.4	1320.6	1341.1	1353.7	1356.9
132.5°	1117.3	1167.7	1211.9	1246.5	1262.3	1274.9	1300.1	1320.6	1331.6	1336.4
135°	1100.0	1147.3	1189.8	1224.5	1240.2	1252.8	1276.5	1297.0	1308.0	1312.7
137.5°	1077.9	1123.6	1164.6	1199.3	1213.4	1226.1	1249.7	1268.6	1278.1	1284.4
140°	1052.7	1095.3	1137.8	1169.3	1183.5	1196.1	1216.6	1237.1	1246.5	1251.3
142.5°	1025.9	1068.5	1106.3	1137.8	1150.4	1163.0	1183.5	1202.4	1211.9	1213.4
145°	997.5	1038.5	1073.2	1103.1	1114.2	1126.8	1145.7	1164.6	1174.0	1175.6
147.5°	966.0	1003.8	1036.9	1065.3	1077.9	1087.4	1104.7	1122.0	1131.5	1133.1
150°	929.8	964.5	994.4	1022.8	1033.8	1043.2	1062.2	1077.9	1087.4	1088.9
152.5°	895.1	928.2	953.4	978.6	989.7	999.1	1014.9	1030.6	1040.1	1041.7
155°	858.9	888.8	914.0	934.5	944.0	953.4	966.0	980.2	988.1	989.7
157.5°	821.0	849.4	871.5	890.4	899.8	907.7	918.8	931.4	936.1	939.2
160°	780.1	803.7	822.6	841.5	849.4	857.3	868.3	877.8	884.1	885.7
162.5°	735.9	756.4	772.2	789.5	794.3	800.6	811.6	821.0	825.8	827.3
165°	690.2	709.2	723.3	737.5	740.7	745.4	753.3	762.7	765.9	769.0
167.5°	644.5	660.3	669.8	682.4	687.1	690.2	698.1	704.4	707.6	709.2
170°	600.4	611.4	619.3	628.8	630.4	635.1	639.8	646.1	647.7	647.7
172.5°	565.7	570.5	575.2	578.4	579.9	581.5	584.7	586.2	586.2	586.2
175°	543.7	546.8	546.8	548.4	548.4	548.4	548.4	548.4	548.4	548.4
177.5°	531.1	531.1	531.1	529.5	529.5	529.5	529.5	527.9	527.9	527.9
180°	527.9	527.9	527.9	527.9	527.9	527.9	527.9	527.9	527.9	527.9

(END OF REPORT)