

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: P395792

Luminaire Tested: **I3-UL-80L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395792
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-80L92765-1D-UNV-W2A-W-4 (4000K)
Description: CORELITE I3, OPEN TOP
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7093.3 lumens
Efficiency: N/A
Efficacy: 112.6 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

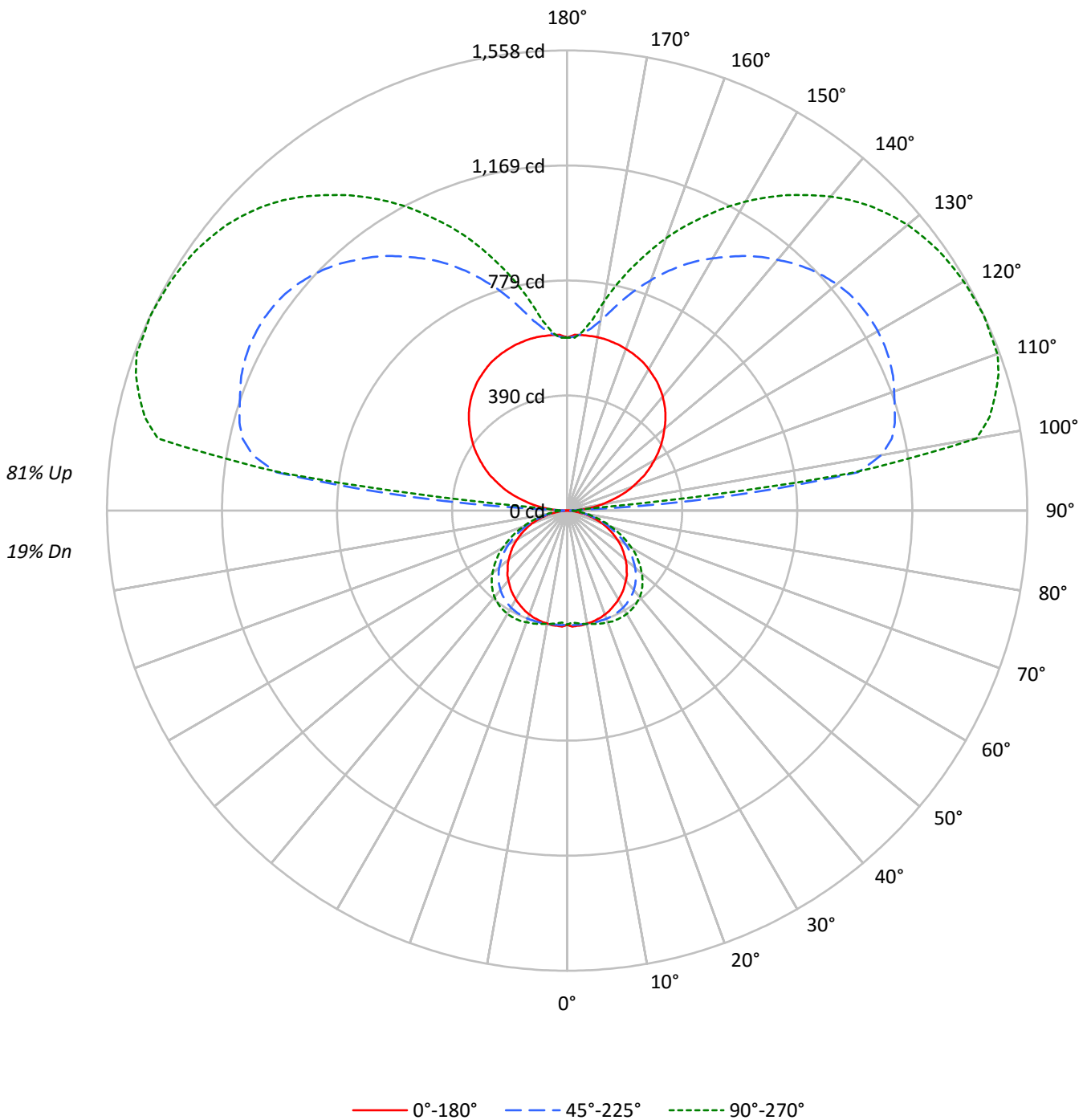
Input Watts (W): 63
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2123	2123	2123
5°	2153	2093	2052
10°	2150	2078	2055
15°	2154	2071	2073
20°	2155	2079	2097
25°	2152	2084	2129
30°	2155	2087	2149
35°	2153	2077	2159
40°	2143	2062	2146
45°	2124	2019	2099
50°	2105	1953	2022
55°	2069	1858	1907
60°	2005	1724	1754
65°	1916	1535	1565
70°	1811	1331	1319
75°	1571	1044	1059
80°	1247	750	765
85°	742	437	505



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.0	0.5
10°-20°	110.2	1.6
20°-30°	177.3	2.5
30°-40°	228.2	3.2
40°-50°	250.7	3.5
50°-60°	235.6	3.3
60°-70°	183.0	2.6
70°-80°	105.0	1.5
80°-90°	33.7	0.5
90°-100°	453.4	6.4
100°-110°	1077.5	15.2
110°-120°	1082.4	15.3
120°-130°	992.7	14.0
130°-140°	830.0	11.7
140°-150°	623.0	8.8
150°-160°	405.6	5.7
160°-170°	208.9	2.9
170°-180°	59.1	0.8
0°-30°	324.5	4.6
0°-40°	552.7	7.8
0°-60°	1039.0	14.6
0°-90°	1360.6	19.2
90°-120°	2613.4	36.8
90°-150°	5059.2	71.3
90°-180°	5733.0	80.8
0°-180°	7093.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	386	386	386	386	386	
5°	392	388	388	386	383	37
15°	383	381	390	395	397	108
25°	362	365	386	400	406	167
35°	330	339	367	390	397	207
45°	285	299	329	353	360	220
55°	229	241	268	287	294	204
65°	161	170	185	201	206	159
75°	86	89	98	108	112	91
85°	18	21	28	37	38	21
90°	2	5	10	16	18	5
95°	61	507	521	70	59	61
105°	177	680	1148	1416	1500	187
115°	292	766	1204	1465	1558	287
125°	388	799	1212	1451	1535	346
135°	470	795	1157	1376	1456	362
145°	531	762	1052	1236	1304	332
155°	570	699	914	1047	1098	263
165°	591	631	741	822	853	167
175°	596	594	601	608	608	57
180°	586	586	586	586	586	



TEST NUMBER: P395792

CATALOG NUMBER: I3-UL-80L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	386.3	386.3	386.3	386.3	386.3	386.3	386.3	386.3	386.3	386.3	386.3
2.5°	393.3	391.6	389.8	389.8	388.1	388.1	388.1	386.3	386.3	386.3	388.1
5°	391.6	391.6	389.8	388.1	388.1	388.1	386.3	386.3	386.3	386.3	388.1
7.5°	391.6	389.8	388.1	388.1	386.3	386.3	386.3	386.3	386.3	386.3	388.1
10°	388.1	388.1	386.3	386.3	384.6	386.3	386.3	386.3	386.3	386.3	389.8
12.5°	386.3	386.3	384.6	382.8	382.8	382.8	384.6	384.6	384.6	386.3	389.8
15°	382.8	382.8	381.1	381.1	381.1	381.1	382.8	382.8	384.6	386.3	389.8
17.5°	379.3	379.3	377.6	377.6	377.6	379.3	379.3	381.1	382.8	386.3	389.8
20°	374.1	374.1	374.1	374.1	374.1	375.8	375.8	377.6	381.1	384.6	389.8
22.5°	368.9	368.9	368.9	368.9	368.9	370.6	372.4	375.8	377.6	382.8	388.1
25°	361.9	361.9	361.9	361.9	363.6	365.4	367.1	370.6	374.1	379.3	386.3
27.5°	354.9	356.6	356.6	356.6	358.4	360.1	361.9	365.4	370.6	377.6	382.8
30°	347.9	347.9	347.9	349.6	351.4	353.1	356.6	360.1	365.4	372.4	379.3
32.5°	339.1	339.1	340.9	340.9	344.4	346.1	349.6	354.9	360.1	367.1	374.1
35°	330.4	330.4	330.4	333.9	335.6	339.1	340.9	346.1	353.1	360.1	367.1
37.5°	319.9	321.7	321.7	323.4	326.9	330.4	332.1	339.1	346.1	353.1	360.1
40°	309.4	311.2	311.2	312.9	318.2	319.9	323.4	330.4	335.6	344.4	351.4
42.5°	298.9	298.9	300.7	302.4	307.7	309.4	312.9	319.9	326.9	333.9	340.9
45°	284.9	286.7	288.4	290.2	295.4	298.9	302.4	307.7	314.7	321.7	328.7
47.5°	272.7	272.7	274.5	278.0	283.2	286.7	288.4	295.4	300.7	307.7	314.7
50°	258.7	260.5	260.5	264.0	269.2	272.7	274.5	281.5	286.7	293.7	300.7
52.5°	243.0	244.7	246.5	250.0	255.2	258.7	260.5	265.7	271.0	278.0	283.2
55°	229.0	230.8	230.8	234.3	239.5	241.2	244.7	248.2	255.2	260.5	267.5
57.5°	213.3	215.0	215.0	218.5	222.0	225.5	227.3	232.5	237.7	243.0	248.2
60°	195.8	197.5	199.3	201.0	204.5	208.0	209.8	213.3	218.5	223.8	229.0
62.5°	178.3	180.1	181.8	183.6	187.1	188.8	190.5	195.8	199.3	204.5	208.0
65°	160.8	162.6	164.3	166.1	167.8	169.6	171.3	174.8	178.3	183.6	185.3
67.5°	143.3	145.1	145.1	146.8	148.6	150.3	152.1	155.6	157.3	162.6	164.3
70°	125.9	125.9	125.9	127.6	127.6	129.4	131.1	134.6	136.4	139.9	143.3
72.5°	104.9	106.6	106.6	106.6	108.4	110.1	111.9	113.6	115.4	117.1	120.6
75°	85.7	87.4	85.7	87.4	89.2	89.2	90.9	92.7	94.4	96.1	97.9
77.5°	68.2	66.4	68.2	68.2	69.9	69.9	69.9	71.7	75.2	75.2	78.7
80°	48.9	48.9	48.9	48.9	50.7	50.7	52.4	52.4	55.9	57.7	59.4
82.5°	31.5	31.5	33.2	33.2	33.2	35.0	35.0	36.7	38.5	40.2	42.0
85°	17.5	17.5	17.5	19.2	19.2	21.0	21.0	22.7	24.5	26.2	28.0
87.5°	5.2	7.0	8.7	8.7	10.5	10.5	12.2	12.2	15.7	17.5	19.2
90°	1.7	1.7	3.5	3.5	3.5	5.2	5.2	7.0	7.0	8.7	10.5
92.5°	29.7	69.9	145.1	216.8	187.1	174.8	104.9	31.5	28.0	29.7	29.7
95°	61.2	115.4	211.5	342.6	444.0	507.0	548.9	629.3	711.5	697.5	520.9
97.5°	89.2	148.6	255.2	375.8	515.7	587.4	641.6	737.7	842.6	930.0	992.9
100°	117.1	178.3	291.9	417.8	547.2	611.8	674.8	805.9	909.0	996.4	1080.3
102.5°	146.8	208.0	325.2	456.3	583.9	646.8	708.0	823.4	938.8	1043.6	1125.8
105°	176.6	239.5	354.9	489.5	617.1	680.0	739.5	849.6	956.2	1054.1	1148.5
107.5°	208.0	267.5	381.1	515.7	643.3	706.2	765.7	875.8	979.0	1076.9	1162.5
110°	236.0	293.7	407.3	540.2	667.8	730.7	790.2	900.3	1001.7	1094.3	1178.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	262.2	318.2	431.8	561.2	687.0	750.0	807.6	917.8	1019.2	1110.1	1194.0
115°	291.9	340.9	456.3	580.4	704.5	765.7	823.4	931.8	1033.1	1122.3	1204.5
117.5°	316.4	363.6	477.2	596.1	718.5	777.9	833.9	942.2	1041.9	1131.0	1211.5
120°	340.9	384.6	496.5	610.1	729.0	786.7	842.6	949.2	1048.9	1136.3	1215.0
122.5°	365.4	405.6	512.2	624.1	737.7	795.4	849.6	954.5	1052.4	1138.0	1215.0
125°	388.1	423.0	526.2	634.6	743.0	798.9	851.3	954.5	1050.6	1134.5	1211.5
127.5°	409.1	442.3	536.7	645.1	746.5	800.6	851.3	951.0	1047.1	1129.3	1204.5
130°	430.0	459.8	547.2	650.3	750.0	798.9	847.8	944.0	1038.4	1120.6	1192.2
132.5°	451.0	479.0	555.9	655.6	751.7	798.9	844.4	937.0	1027.9	1108.3	1176.5
135°	470.2	493.0	564.6	659.0	750.0	795.4	837.4	924.8	1012.2	1090.8	1157.3
137.5°	487.7	507.0	571.6	660.8	748.2	790.2	832.1	910.8	992.9	1069.9	1134.5
140°	503.5	520.9	575.1	660.8	741.2	783.2	821.6	896.8	972.0	1045.4	1108.3
142.5°	517.4	533.2	580.4	657.3	734.2	774.4	811.1	882.8	951.0	1020.9	1082.1
145°	531.4	543.7	583.9	655.6	725.5	762.2	797.2	865.3	931.8	994.7	1052.4
147.5°	541.9	554.2	587.4	648.6	715.0	748.2	781.4	846.1	907.3	966.7	1019.2
150°	552.4	562.9	589.1	641.6	702.8	732.5	762.2	823.4	882.8	937.0	986.0
152.5°	562.9	569.9	594.4	634.6	688.8	716.7	746.5	800.6	854.8	905.5	952.7
155°	569.9	575.1	596.1	627.6	674.8	699.3	723.7	774.4	823.4	870.6	914.3
157.5°	576.9	582.1	597.9	622.3	659.0	681.8	702.8	746.5	791.9	833.9	874.1
160°	582.1	585.6	597.9	618.8	645.1	660.8	680.0	720.2	758.7	795.4	830.4
162.5°	587.4	589.1	597.9	613.6	632.8	643.3	657.3	688.8	723.7	755.2	786.7
165°	590.9	592.6	597.9	610.1	622.3	631.1	638.1	660.8	687.0	715.0	741.2
167.5°	594.4	594.4	597.9	606.6	613.6	618.8	624.1	636.3	653.8	674.8	694.0
170°	596.1	596.1	597.9	603.1	608.4	610.1	613.6	620.6	629.3	639.8	652.1
172.5°	596.1	596.1	596.1	599.6	601.4	601.4	601.4	604.9	610.1	617.1	622.3
175°	596.1	594.4	594.4	596.1	594.4	594.4	594.4	594.4	596.1	599.6	601.4
177.5°	596.1	594.4	592.6	592.6	590.9	590.9	589.1	589.1	589.1	589.1	589.1
180°	585.6	585.6	585.6	585.6	585.6	585.6	585.6	585.6	585.6	585.6	585.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	386.3	386.3	386.3	386.3	386.3	386.3	386.3	386.3	386.3	386.3
2.5°	388.1	388.1	386.3	384.6	384.6	384.6	382.8	381.1	379.3	379.3
5°	388.1	388.1	386.3	386.3	386.3	386.3	384.6	384.6	382.8	382.8
7.5°	389.8	388.1	388.1	388.1	388.1	388.1	388.1	388.1	386.3	386.3
10°	389.8	389.8	389.8	389.8	389.8	389.8	389.8	389.8	389.8	389.8
12.5°	391.6	391.6	391.6	391.6	393.3	393.3	393.3	393.3	393.3	393.3
15°	391.6	393.3	395.1	395.1	395.1	396.8	396.8	396.8	396.8	396.8
17.5°	393.3	395.1	396.8	396.8	398.6	398.6	400.3	400.3	400.3	400.3
20°	393.3	395.1	396.8	398.6	400.3	400.3	402.1	403.8	403.8	402.1
22.5°	391.6	395.1	396.8	398.6	400.3	402.1	403.8	405.6	405.6	405.6
25°	389.8	393.3	396.8	400.3	400.3	402.1	405.6	405.6	405.6	405.6
27.5°	388.1	391.6	395.1	398.6	400.3	402.1	403.8	405.6	405.6	405.6
30°	384.6	389.8	393.3	396.8	398.6	400.3	402.1	403.8	403.8	403.8
32.5°	379.3	384.6	388.1	393.3	395.1	396.8	398.6	400.3	400.3	400.3
35°	374.1	379.3	382.8	388.1	389.8	391.6	395.1	395.1	396.8	396.8
37.5°	365.4	372.4	375.8	381.1	382.8	384.6	388.1	389.8	389.8	389.8
40°	356.6	363.6	367.1	372.4	374.1	375.8	379.3	381.1	382.8	382.8
42.5°	346.1	353.1	356.6	361.9	363.6	365.4	368.9	370.6	372.4	372.4
45°	335.6	340.9	344.4	349.6	353.1	353.1	356.6	358.4	360.1	360.1
47.5°	321.7	326.9	330.4	335.6	339.1	340.9	342.6	344.4	346.1	346.1
50°	305.9	311.2	316.4	319.9	323.4	323.4	326.9	328.7	330.4	330.4
52.5°	290.2	293.7	298.9	304.2	305.9	307.7	309.4	311.2	312.9	312.9
55°	272.7	276.2	281.5	284.9	286.7	288.4	290.2	291.9	293.7	293.7
57.5°	253.5	257.0	262.2	265.7	267.5	269.2	271.0	272.7	274.5	274.5
60°	232.5	236.0	241.2	244.7	246.5	246.5	250.0	251.7	251.7	251.7
62.5°	211.5	215.0	218.5	222.0	223.8	225.5	227.3	229.0	229.0	229.0
65°	190.5	194.0	197.5	199.3	201.0	201.0	202.8	204.5	206.3	206.3
67.5°	167.8	171.3	174.8	176.6	178.3	178.3	180.1	181.8	181.8	181.8
70°	145.1	146.8	150.3	152.1	153.8	153.8	157.3	157.3	157.3	157.3
72.5°	122.4	124.1	127.6	129.4	131.1	131.1	132.9	134.6	134.6	134.6
75°	101.4	103.1	104.9	108.4	108.4	108.4	110.1	111.9	111.9	111.9
77.5°	80.4	82.2	83.9	85.7	87.4	87.4	89.2	90.9	90.9	90.9
80°	61.2	62.9	64.7	66.4	66.4	68.2	68.2	69.9	69.9	69.9
82.5°	43.7	45.5	47.2	48.9	50.7	50.7	52.4	54.2	54.2	52.4
85°	29.7	33.2	35.0	36.7	36.7	36.7	38.5	40.2	40.2	38.5
87.5°	21.0	21.0	22.7	24.5	24.5	26.2	26.2	28.0	28.0	28.0
90°	12.2	12.2	14.0	14.0	15.7	15.7	15.7	17.5	17.5	17.5
92.5°	29.7	29.7	31.5	31.5	31.5	31.5	33.2	33.2	33.2	33.2
95°	318.2	143.3	120.6	73.4	69.9	61.2	59.4	61.2	61.2	59.4
97.5°	1068.1	1143.3	1190.5	1213.2	1185.2	1155.5	1122.3	1117.1	1071.6	970.2
100°	1152.0	1211.5	1269.1	1309.4	1325.1	1339.1	1370.5	1389.8	1398.5	1407.3
102.5°	1194.0	1256.9	1307.6	1358.3	1379.3	1398.5	1426.5	1449.2	1457.9	1464.9
105°	1230.7	1295.4	1351.3	1396.8	1416.0	1433.5	1461.4	1482.4	1498.2	1499.9
107.5°	1239.4	1307.6	1370.5	1426.5	1449.2	1468.4	1501.7	1517.4	1531.4	1531.4
110°	1255.2	1319.8	1377.5	1428.2	1451.0	1473.7	1508.6	1533.1	1547.1	1550.6



TEST NUMBER: P395792

CATALOG NUMBER: I3-UL-80L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1267.4	1333.8	1388.0	1438.7	1457.9	1478.9	1512.1	1534.9	1547.1	1552.3
115°	1277.9	1342.6	1396.8	1444.0	1464.9	1485.9	1519.1	1538.4	1552.3	1557.6
117.5°	1284.9	1347.8	1402.0	1445.7	1468.4	1485.9	1517.4	1538.4	1552.3	1554.1
120°	1286.6	1349.6	1402.0	1445.7	1464.9	1484.2	1515.6	1536.6	1550.6	1550.6
122.5°	1286.6	1347.8	1400.3	1442.2	1459.7	1477.2	1506.9	1531.4	1543.6	1543.6
125°	1279.6	1340.8	1391.5	1433.5	1451.0	1466.7	1498.2	1520.9	1533.1	1534.9
127.5°	1269.1	1328.6	1379.3	1421.2	1438.7	1452.7	1485.9	1506.9	1519.1	1520.9
130°	1255.2	1314.6	1363.5	1403.8	1421.2	1437.0	1464.9	1487.7	1501.7	1505.1
132.5°	1239.4	1295.4	1344.3	1382.8	1400.3	1414.2	1442.2	1464.9	1477.2	1482.4
135°	1220.2	1272.6	1319.8	1358.3	1375.8	1389.8	1416.0	1438.7	1451.0	1456.2
137.5°	1195.7	1246.4	1291.9	1330.3	1346.1	1360.1	1386.3	1407.3	1417.7	1424.7
140°	1167.8	1215.0	1262.2	1297.1	1312.9	1326.8	1349.6	1372.3	1382.8	1388.0
142.5°	1138.0	1185.2	1227.2	1262.2	1276.1	1290.1	1312.9	1333.8	1344.3	1346.1
145°	1106.6	1152.0	1190.5	1223.7	1235.9	1249.9	1270.9	1291.9	1302.4	1304.1
147.5°	1071.6	1113.6	1150.3	1181.7	1195.7	1206.2	1225.4	1244.7	1255.2	1256.9
150°	1031.4	1069.9	1103.1	1134.5	1146.8	1157.3	1178.2	1195.7	1206.2	1208.0
152.5°	992.9	1029.7	1057.6	1085.6	1097.8	1108.3	1125.8	1143.3	1153.8	1155.5
155°	952.7	986.0	1013.9	1036.6	1047.1	1057.6	1071.6	1087.3	1096.1	1097.8
157.5°	910.8	942.2	966.7	987.7	998.2	1006.9	1019.2	1033.1	1038.4	1041.9
160°	865.3	891.6	912.5	933.5	942.2	951.0	963.2	973.7	980.7	982.5
162.5°	816.4	839.1	856.6	875.8	881.1	888.1	900.3	910.8	916.0	917.8
165°	765.7	786.7	802.4	818.1	821.6	826.9	835.6	846.1	849.6	853.1
167.5°	715.0	732.5	743.0	756.9	762.2	765.7	774.4	781.4	784.9	786.7
170°	666.0	678.3	687.0	697.5	699.3	704.5	709.7	716.7	718.5	718.5
172.5°	627.6	632.8	638.1	641.6	643.3	645.1	648.6	650.3	650.3	650.3
175°	603.1	606.6	606.6	608.4	608.4	608.4	608.4	608.4	608.4	608.4
177.5°	589.1	589.1	589.1	587.4	587.4	587.4	587.4	585.6	585.6	585.6
180°	585.6	585.6	585.6	585.6	585.6	585.6	585.6	585.6	585.6	585.6

(END OF REPORT)