

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: P395872

Luminaire Tested: **I3-WL-40L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395872
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-WL-40L92765-1D-UNV-W2A-W-4 (5000K)
Description: CORELITE I3, DOWNLIGHT TRAY
4000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3515.5 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.32
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Direct

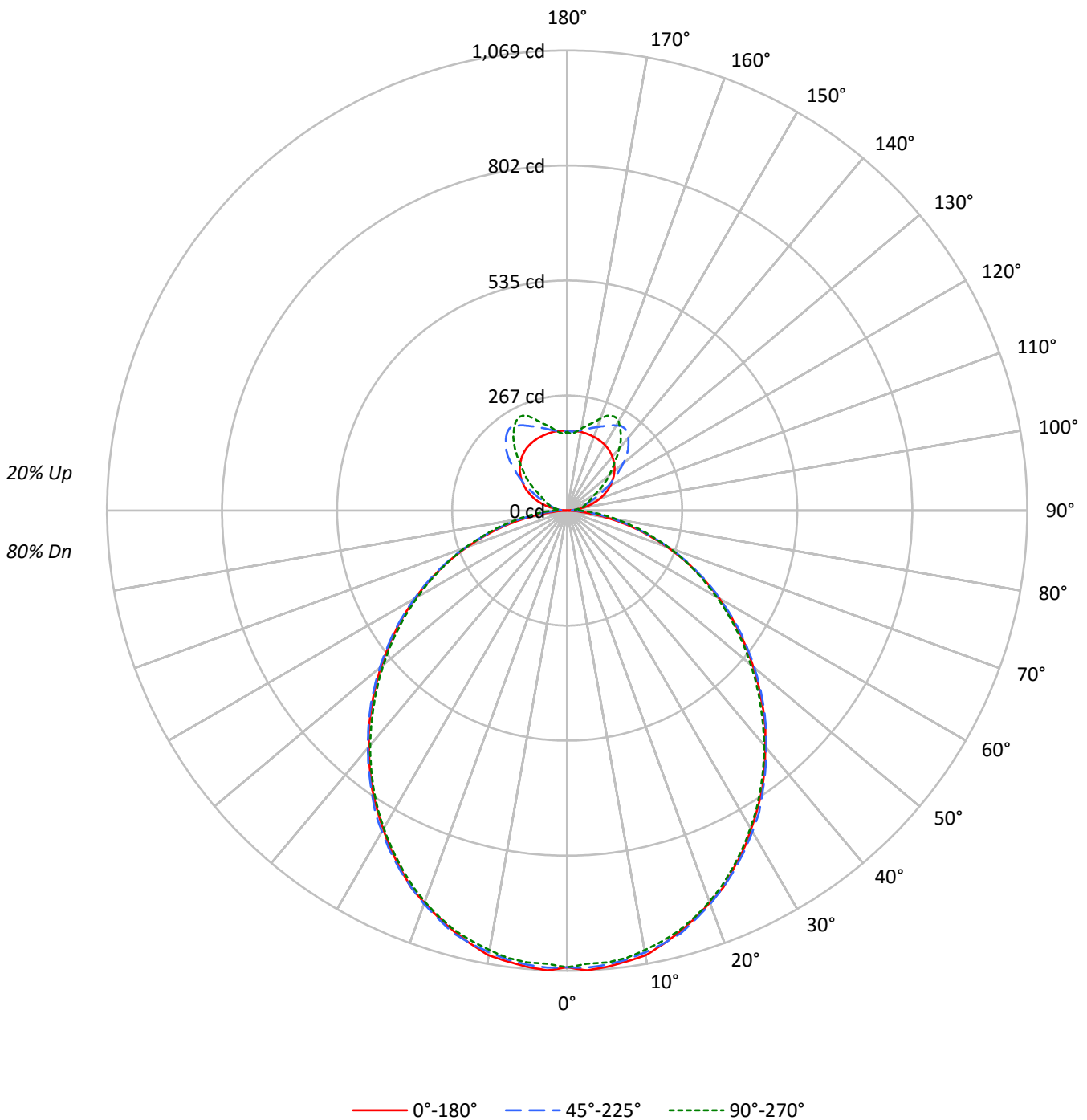
Input Watts (W): 37.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	80
1	104	100	96	92	99	95	92	88	87	85	82	80	78	76	73	72	70	67
2	95	87	80	75	90	83	78	73	77	72	68	70	67	63	65	62	59	56
3	87	77	69	62	82	73	66	61	68	62	57	62	57	53	57	53	50	47
4	79	68	59	53	75	65	57	52	60	54	49	55	50	46	51	47	43	40
5	73	61	52	46	69	58	50	44	54	47	42	50	44	40	46	41	38	35
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	42	37	33	31
7	62	49	41	35	59	48	40	34	44	38	33	41	35	31	38	33	30	27
8	58	45	37	31	55	43	36	31	41	34	29	38	32	28	35	30	26	24
9	54	41	33	28	52	40	33	27	37	31	26	35	29	25	32	28	24	22
10	51	38	30	25	49	37	30	25	34	28	24	32	27	23	30	25	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5832	5832	5832
5°	5848	5712	5650
10°	5813	5556	5466
15°	5697	5403	5271
20°	5584	5185	5043
25°	5451	4965	4792
30°	5294	4737	4534
35°	5147	4484	4268
40°	4963	4224	3992
45°	4786	3970	3700
50°	4596	3691	3406
55°	4396	3405	3107
60°	4173	3089	2797
65°	3916	2744	2465
70°	3552	2343	2116
75°	3060	1857	1699
80°	2336	1337	1268
85°	1218	800	859



TEST NUMBER: P395872

CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (5000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.3	2.9
10°-20°	284.4	8.1
20°-30°	421.0	12.0
30°-40°	492.1	14.0
40°-50°	494.3	14.1
50°-60°	434.5	12.4
60°-70°	325.5	9.3
70°-80°	185.1	5.3
80°-90°	58.4	1.7
90°-100°	21.1	0.6
100°-110°	51.3	1.5
110°-120°	85.3	2.4
120°-130°	119.7	3.4
130°-140°	137.9	3.9
140°-150°	131.7	3.7
150°-160°	99.0	2.8
160°-170°	56.0	1.6
170°-180°	17.7	0.5
0°-30°	805.7	22.9
0°-40°	1297.7	36.9
0°-60°	2226.5	63.3
0°-90°	2795.7	79.5
90°-120°	157.7	4.5
90°-150°	547.0	15.6
90°-180°	720.0	20.5
0°-180°	3515.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1061	1061	1061	1061	1061	
5°	1064	1053	1059	1056	1054	101
15°	1013	1004	1017	1010	1009	286
25°	917	914	920	917	913	422
35°	790	784	793	786	785	493
45°	642	641	646	639	635	495
55°	487	488	490	484	478	435
65°	329	330	331	329	325	325
75°	167	170	174	180	180	177
85°	29	38	51	63	66	37
90°	1	5	16	24	28	2
95°	15	15	15	17	18	17
105°	60	51	39	40	41	63
115°	99	123	75	61	60	98
125°	130	180	136	109	100	116
135°	154	196	200	166	154	119
145°	171	194	233	224	217	107
155°	180	190	217	240	243	83
165°	184	187	198	206	208	52
175°	186	184	184	184	181	18
180°	183	183	183	183	183	



TEST NUMBER: P395872

CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1
2.5°	1069.2	1067.4	1062.9	1058.4	1057.5	1056.6	1056.6	1055.7	1055.7	1057.5	1062.9
5°	1063.8	1062.9	1058.4	1053.9	1053.0	1053.0	1052.1	1052.1	1052.1	1053.9	1059.3
7.5°	1056.6	1054.8	1050.3	1045.8	1044.9	1044.9	1044.9	1044.0	1044.9	1045.8	1052.1
10°	1049.4	1048.5	1044.0	1038.7	1036.9	1036.9	1036.0	1034.2	1034.2	1036.0	1042.2
12.5°	1031.5	1030.6	1026.1	1022.5	1022.5	1023.4	1023.4	1024.3	1024.3	1026.1	1030.6
15°	1012.6	1011.7	1007.2	1003.6	1003.6	1003.6	1002.7	1002.7	1003.6	1009.0	1017.1
17.5°	992.0	991.1	987.5	983.9	983.9	983.9	983.0	983.0	983.9	986.6	994.7
20°	969.5	968.6	965.0	961.4	961.4	961.4	960.6	961.4	961.4	965.0	972.2
22.5°	948.0	946.2	941.7	938.1	936.3	936.3	936.3	935.4	937.2	939.9	947.1
25°	916.6	915.7	913.9	911.2	913.0	913.9	912.1	910.3	910.3	913.9	920.2
27.5°	887.8	886.0	883.3	880.7	878.9	879.8	880.7	882.5	885.1	886.0	891.4
30°	854.6	853.7	851.0	847.4	848.3	849.2	849.2	849.2	851.0	859.1	860.9
32.5°	822.3	821.4	818.7	815.1	816.0	816.9	816.0	816.9	818.7	822.3	830.4
35°	790.0	788.2	785.5	784.6	783.7	783.7	783.7	784.6	785.5	788.2	792.7
37.5°	753.2	751.4	749.6	746.9	748.7	750.5	751.4	750.5	751.4	755.0	756.8
40°	716.4	715.5	713.7	711.9	712.8	713.7	712.8	715.5	717.3	719.1	720.0
42.5°	681.4	679.6	677.8	676.9	676.9	677.8	677.8	679.6	679.6	684.1	683.2
45°	641.9	641.0	640.1	640.1	641.0	641.0	641.0	641.9	642.8	645.5	646.4
47.5°	603.3	602.4	602.4	602.4	602.4	603.3	604.2	606.9	605.1	606.0	606.9
50°	564.7	563.8	563.8	563.8	565.6	565.6	567.4	568.3	569.1	567.4	568.3
52.5°	525.2	524.3	526.1	526.1	527.9	527.9	530.5	527.9	529.7	528.8	528.8
55°	486.6	485.7	487.5	486.6	488.4	488.4	490.2	491.0	490.2	490.2	490.2
57.5°	447.1	446.2	447.1	448.0	448.9	448.9	451.5	451.5	448.9	450.7	449.8
60°	407.6	406.7	407.6	408.5	409.4	409.4	410.3	408.5	410.3	411.2	410.3
62.5°	368.1	367.2	369.0	368.1	369.0	369.9	369.9	372.6	371.7	371.7	370.8
65°	328.6	327.7	327.7	327.7	328.6	329.5	330.4	331.3	331.3	332.2	331.3
67.5°	288.2	287.3	288.2	287.3	288.2	289.1	290.9	291.8	291.8	292.7	291.8
70°	246.9	247.8	246.9	247.8	248.7	249.6	250.5	252.3	252.3	252.3	252.3
72.5°	206.5	205.6	205.6	204.7	206.5	207.4	208.3	211.0	211.0	211.9	211.9
75°	167.0	165.2	166.1	165.2	168.8	169.7	169.7	172.4	173.3	175.1	174.2
77.5°	128.4	128.4	126.6	129.3	130.2	132.0	133.8	135.6	136.5	139.1	139.1
80°	91.6	91.6	90.7	92.5	96.1	97.0	99.6	100.5	103.2	105.0	105.9
82.5°	58.4	58.4	58.4	61.0	63.7	64.6	67.3	70.0	71.8	74.5	75.4
85°	28.7	30.5	30.5	34.1	35.9	37.7	38.6	42.2	44.9	48.5	51.2
87.5°	9.0	9.9	10.8	12.6	16.2	17.1	18.9	22.4	25.1	28.7	31.4
90°	0.9	0.9	1.8	2.7	4.5	5.4	7.2	9.0	11.7	14.4	16.2
92.5°	6.3	6.3	7.2	7.2	7.2	7.2	7.2	8.1	9.0	10.8	11.7
95°	15.3	24.2	14.4	13.5	15.3	15.3	16.2	15.3	15.3	15.3	15.3
97.5°	25.1	44.9	29.6	20.6	19.7	20.6	20.6	22.4	23.3	24.2	24.2
100°	36.8	56.6	52.1	34.1	27.8	26.9	26.9	26.9	27.8	28.7	29.6
102.5°	48.5	64.6	74.5	53.0	39.5	35.9	34.1	33.2	32.3	33.2	33.2
105°	60.1	72.7	91.6	71.8	56.6	51.2	45.8	39.5	38.6	38.6	38.6
107.5°	70.9	80.8	104.1	93.4	73.6	68.2	61.9	52.1	45.8	44.9	44.0
110°	80.8	88.9	113.1	111.3	92.5	84.4	79.0	68.2	59.2	53.0	50.3



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CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	89.8	97.0	119.4	126.6	113.1	103.2	95.2	84.4	74.5	66.4	60.1
115°	98.7	105.0	124.8	139.1	131.1	123.0	114.0	100.5	90.7	82.6	75.4
117.5°	107.7	113.1	130.2	148.1	146.3	140.9	133.8	117.6	105.9	97.9	89.8
120°	115.8	121.2	135.6	154.4	159.8	155.3	150.8	136.5	122.1	113.1	105.9
122.5°	123.0	127.5	140.9	159.8	169.7	168.8	164.3	154.4	140.0	129.3	120.3
125°	130.2	134.7	146.3	163.4	176.8	179.5	177.7	169.7	158.9	146.3	135.6
127.5°	137.3	140.9	151.7	167.0	182.2	187.6	188.5	183.1	175.1	164.3	152.6
130°	143.6	147.2	156.2	169.7	185.8	192.1	195.7	194.8	188.5	181.3	169.7
132.5°	149.0	151.7	160.7	172.4	187.6	194.8	200.2	204.7	200.2	194.8	186.7
135°	154.4	157.1	164.3	175.1	188.5	195.7	202.9	210.1	211.0	206.5	200.2
137.5°	158.9	160.7	167.9	176.8	188.5	195.7	202.9	212.8	218.1	216.3	211.0
140°	163.4	165.2	170.6	179.5	189.4	195.7	202.0	213.7	220.8	223.5	220.8
142.5°	167.0	168.8	173.3	181.3	189.4	194.8	201.1	211.9	221.7	227.1	228.9
145°	170.6	171.5	176.0	182.2	189.4	193.9	199.3	210.1	219.9	228.0	233.4
147.5°	173.3	174.2	176.8	183.1	189.4	193.0	197.5	206.5	216.3	225.3	233.4
150°	176.0	176.0	178.6	183.1	189.4	192.1	195.7	203.8	211.9	220.8	228.0
152.5°	177.7	177.7	180.4	184.0	188.5	191.2	194.8	201.1	208.3	216.3	223.5
155°	179.5	179.5	181.3	184.0	188.5	190.3	193.0	198.4	204.7	211.0	217.2
157.5°	181.3	181.3	182.2	184.9	187.6	189.4	192.1	196.6	201.1	206.5	211.9
160°	182.2	182.2	183.1	184.9	186.7	188.5	190.3	193.9	198.4	202.0	206.5
162.5°	183.1	183.1	184.0	184.9	186.7	187.6	188.5	192.1	194.8	198.4	202.0
165°	184.0	184.0	184.0	184.9	185.8	186.7	187.6	189.4	192.1	194.8	197.5
167.5°	184.9	184.9	184.9	184.9	185.8	185.8	186.7	187.6	189.4	191.2	193.0
170°	185.8	184.9	184.9	185.8	184.9	184.9	185.8	186.7	186.7	188.5	189.4
172.5°	185.8	185.8	184.9	184.9	184.9	184.9	184.9	184.9	184.9	185.8	186.7
175°	185.8	185.8	184.9	184.9	184.9	184.0	184.0	184.0	184.0	184.0	184.0
177.5°	185.8	185.8	184.9	184.9	184.0	184.0	184.0	184.0	184.0	184.0	184.0
180°	183.1	183.1	183.1	183.1	183.1	183.1	183.1	183.1	183.1	183.1	183.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1
2.5°	1068.3	1063.8	1062.0	1061.1	1060.2	1059.3	1057.5	1055.7	1053.9	1053.9
5°	1063.8	1059.3	1057.5	1056.6	1055.7	1054.8	1053.9	1053.9	1053.9	1053.9
7.5°	1056.6	1052.1	1050.3	1049.4	1049.4	1048.5	1048.5	1048.5	1047.6	1048.5
10°	1045.8	1041.3	1040.4	1039.6	1038.7	1036.9	1036.9	1036.9	1036.0	1036.9
12.5°	1032.4	1027.9	1027.0	1026.1	1025.2	1024.3	1024.3	1023.4	1023.4	1024.3
15°	1018.9	1012.6	1010.8	1010.8	1009.9	1009.0	1009.9	1009.0	1009.0	1009.0
17.5°	999.2	996.5	993.8	992.0	991.1	990.2	990.2	989.3	989.3	989.3
20°	973.1	973.1	973.1	968.6	967.7	966.8	966.8	966.8	966.8	966.8
22.5°	948.0	943.5	947.1	944.4	942.6	940.8	941.7	941.7	941.7	941.7
25°	920.2	916.6	917.5	918.4	916.6	913.9	913.9	913.9	913.9	913.0
27.5°	890.5	887.8	886.9	887.8	889.6	887.8	885.1	882.5	883.3	883.3
30°	858.2	857.3	856.4	854.6	856.4	857.3	852.8	851.9	851.9	851.9
32.5°	825.9	825.0	822.3	820.5	821.4	823.2	821.4	819.6	819.6	819.6
35°	793.6	790.0	787.3	786.4	786.4	788.2	787.3	784.6	784.6	784.6
37.5°	755.9	756.8	752.3	751.4	751.4	751.4	753.2	748.7	749.6	748.7
40°	719.1	720.0	717.3	714.6	715.5	713.7	716.4	711.9	711.9	711.9
42.5°	682.3	680.5	681.4	676.0	676.9	676.9	677.8	675.1	674.2	673.3
45°	644.6	642.8	641.9	639.2	639.2	638.3	638.3	634.7	634.7	634.7
47.5°	605.1	604.2	602.4	600.6	600.6	599.7	597.9	597.0	596.1	596.1
50°	567.4	564.7	562.0	562.9	562.0	561.1	559.3	558.4	557.5	556.6
52.5°	527.0	527.0	523.4	523.4	523.4	522.5	520.7	518.9	518.9	518.0
55°	487.5	486.6	483.9	483.0	483.9	483.0	481.2	479.4	479.4	478.5
57.5°	448.0	446.2	445.3	445.3	444.4	444.4	441.7	439.9	440.8	439.9
60°	407.6	407.6	406.7	405.8	405.8	404.9	402.2	402.2	402.2	401.3
62.5°	369.0	369.0	367.2	366.3	367.2	366.3	365.4	364.5	363.6	362.7
65°	328.6	329.5	327.7	328.6	328.6	326.8	326.8	325.9	325.9	325.0
67.5°	290.9	290.9	290.0	290.0	290.9	290.0	290.0	289.1	289.1	288.2
70°	252.3	254.1	253.2	253.2	253.2	252.3	252.3	252.3	251.4	252.3
72.5°	213.7	213.7	213.7	213.7	213.7	214.6	214.6	214.6	214.6	213.7
75°	177.7	178.6	177.7	178.6	179.5	179.5	179.5	179.5	180.4	179.5
77.5°	142.7	143.6	143.6	145.4	145.4	145.4	146.3	146.3	146.3	146.3
80°	109.5	110.4	111.3	113.1	113.1	114.9	115.8	115.8	115.8	115.8
82.5°	79.0	81.7	82.6	85.3	86.2	86.2	88.0	88.9	88.9	88.9
85°	54.8	57.5	59.2	61.0	62.8	62.8	64.6	64.6	65.5	65.5
87.5°	34.1	36.8	38.6	41.3	42.2	43.1	44.0	44.9	45.8	45.8
90°	18.9	20.6	22.4	24.2	24.2	25.1	26.0	26.9	27.8	27.8
92.5°	13.5	14.4	16.2	17.1	17.1	18.0	18.9	18.9	19.7	19.7
95°	15.3	16.2	16.2	17.1	17.1	17.1	18.0	18.0	18.0	18.0
97.5°	23.3	23.3	23.3	22.4	22.4	22.4	22.4	22.4	22.4	22.4
100°	30.5	31.4	31.4	31.4	32.3	32.3	32.3	32.3	31.4	31.4
102.5°	34.1	35.0	35.9	36.8	36.8	36.8	37.7	37.7	37.7	37.7
105°	38.6	38.6	39.5	40.4	40.4	40.4	41.3	41.3	41.3	41.3
107.5°	44.0	44.0	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
110°	50.3	50.3	50.3	49.4	50.3	49.4	49.4	49.4	49.4	49.4



TEST NUMBER: P395872

CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	57.5	56.6	56.6	55.7	55.7	55.7	54.8	54.8	54.8	54.8
115°	69.1	64.6	62.8	61.0	61.0	61.0	60.1	60.1	60.1	60.1
117.5°	83.5	77.2	73.6	70.0	69.1	68.2	66.4	66.4	65.5	65.5
120°	98.7	92.5	87.1	82.6	80.8	79.9	77.2	75.4	73.6	73.6
122.5°	113.1	106.8	101.4	97.0	95.2	93.4	90.7	88.9	87.1	87.1
125°	127.5	121.2	115.8	111.3	108.6	106.8	104.1	102.3	100.5	100.5
127.5°	142.7	134.7	129.3	124.8	122.1	121.2	117.6	115.8	114.0	114.0
130°	159.8	149.9	142.7	137.3	135.6	133.8	131.1	129.3	127.5	127.5
132.5°	176.8	167.0	158.9	151.7	149.0	147.2	143.6	141.8	140.0	140.0
135°	193.0	184.0	176.0	168.8	166.1	163.4	159.8	156.2	154.4	154.4
137.5°	205.6	199.3	192.1	185.8	183.1	180.4	176.8	173.3	170.6	171.5
140°	216.3	211.0	206.5	202.0	199.3	197.5	193.9	191.2	188.5	188.5
142.5°	226.2	221.7	217.2	213.7	212.8	211.9	209.2	206.5	204.7	204.7
145°	235.2	232.5	228.9	224.4	223.5	222.6	219.9	218.1	217.2	217.2
147.5°	237.9	238.8	237.9	235.2	234.3	233.4	231.6	229.8	228.9	228.9
150°	236.1	239.7	241.5	241.5	241.5	241.5	241.5	239.7	238.8	238.8
152.5°	230.7	236.1	239.7	242.4	243.3	244.2	244.2	245.1	244.2	244.2
155°	224.4	229.8	235.2	237.9	239.7	240.6	242.4	243.3	244.2	243.3
157.5°	217.2	221.7	225.3	230.7	232.5	234.3	236.1	237.9	238.8	237.9
160°	211.0	214.6	217.2	220.8	221.7	223.5	225.3	226.2	228.0	227.1
162.5°	204.7	207.4	210.1	211.9	213.7	214.6	216.3	217.2	218.1	217.2
165°	200.2	202.0	202.9	204.7	205.6	206.5	207.4	208.3	208.3	208.3
167.5°	194.8	196.6	197.5	198.4	199.3	200.2	200.2	201.1	201.1	201.1
170°	190.3	191.2	192.1	193.0	193.0	193.9	193.9	193.9	194.8	193.9
172.5°	186.7	186.7	186.7	187.6	187.6	187.6	187.6	187.6	187.6	186.7
175°	184.9	184.9	184.0	184.0	184.0	184.0	184.0	183.1	182.2	181.3
177.5°	184.0	183.1	183.1	182.2	182.2	182.2	181.3	180.4	179.5	178.6
180°	183.1	183.1	183.1	183.1	183.1	183.1	183.1	183.1	183.1	183.1

(END OF REPORT)