

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: P395454

Luminaire Tested: **I3-CL-60L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395454
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-60L92765-1D-UNV-W2A-W-4 (4000K)
Description: CORELITE I3, CLEAR TOP COVER
6000 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: 4910.8 lumens
Efficiency: N/A
Efficacy: 110.1 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

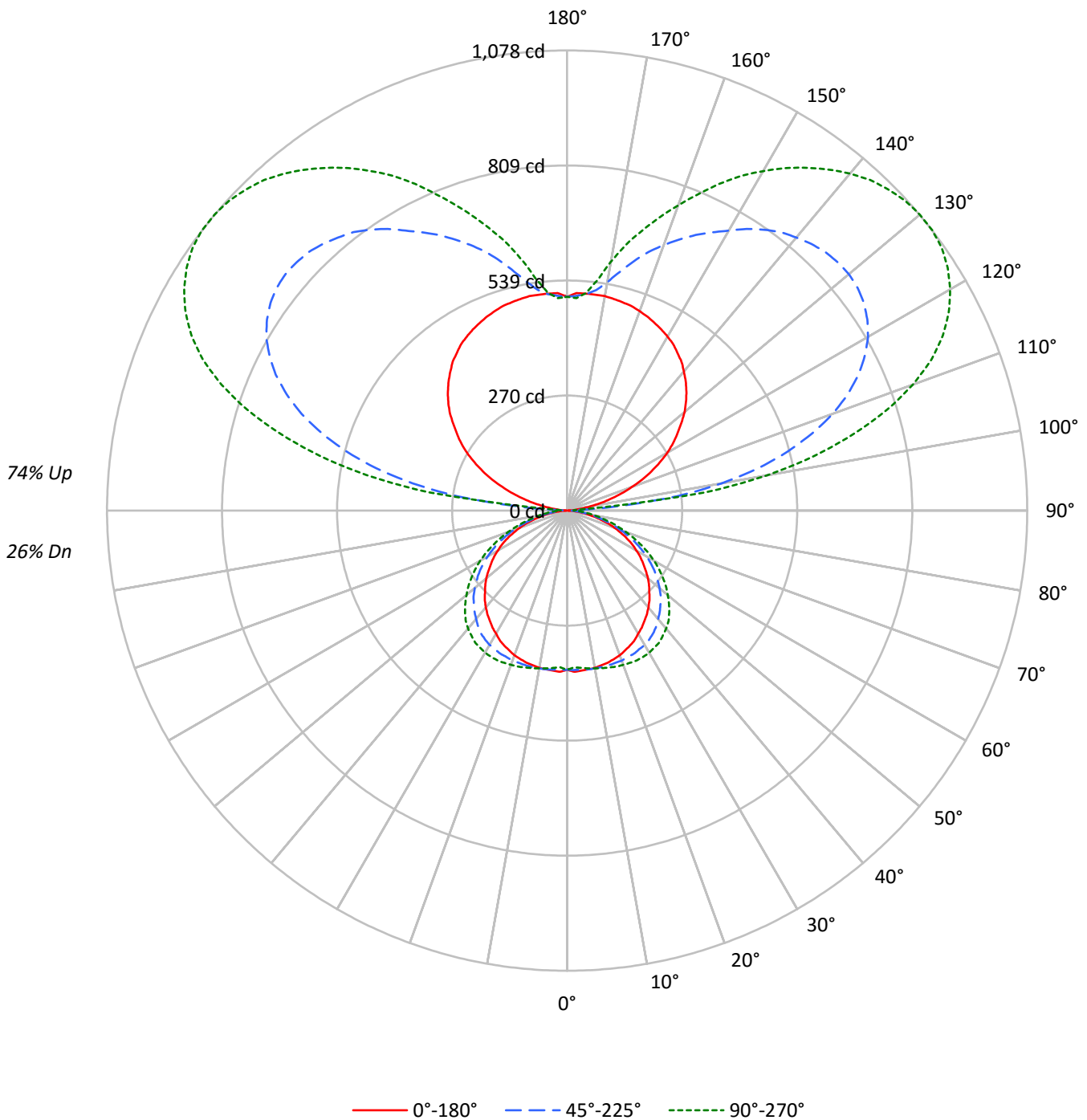
Input Watts (W): 44.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2049	2049	2049
5°	2070	2017	1984
10°	2072	2001	1978
15°	2074	1994	1988
20°	2078	1995	2006
25°	2075	1996	2032
30°	2063	2000	2046
35°	2058	1988	2049
40°	2051	1946	2023
45°	2029	1899	1972
50°	2011	1836	1884
55°	1969	1744	1776
60°	1921	1621	1639
65°	1843	1456	1453
70°	1711	1240	1231
75°	1477	986	988
80°	1145	701	724
85°	675	434	485



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.7	0.7
10°-20°	105.9	2.2
20°-30°	169.8	3.5
30°-40°	217.2	4.4
40°-50°	236.8	4.8
50°-60°	221.9	4.5
60°-70°	172.2	3.5
70°-80°	98.7	2.0
80°-90°	31.6	0.6
90°-100°	126.7	2.6
100°-110°	492.4	10.0
110°-120°	670.3	13.6
120°-130°	695.8	14.2
130°-140°	617.2	12.6
140°-150°	478.9	9.8
150°-160°	319.6	6.5
160°-170°	170.3	3.5
170°-180°	49.8	1.0
0°-30°	311.4	6.3
0°-40°	528.6	10.8
0°-60°	987.4	20.1
0°-90°	1289.8	26.3
90°-120°	1289.3	26.3
90°-150°	3081.2	62.7
90°-180°	3621.0	73.7
0°-180°	4910.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	373	373	373	373	373	
5°	377	373	374	373	370	36
15°	369	367	375	381	381	104
25°	349	352	370	383	387	161
35°	316	322	352	370	377	198
45°	272	284	309	329	338	210
55°	218	230	251	268	274	195
65°	155	161	176	188	192	152
75°	81	85	92	102	104	86
85°	16	18	28	36	37	19
90°	1	4	9	13	16	2
95°	16	90	123	25	24	21
105°	104	316	535	636	696	111
115°	218	488	753	885	971	215
125°	316	575	848	996	1072	282
135°	395	605	856	1004	1064	305
145°	451	605	803	933	980	282
155°	485	572	712	807	844	224
165°	505	526	605	662	679	143
175°	510	507	509	511	511	49
180°	501	501	501	501	501	



TEST NUMBER: P395454

CATALOG NUMBER: I3-CL-60L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	372.7	372.7	372.7	372.7	372.7	372.7	372.7	372.7	372.7	372.7	372.7
2.5°	377.9	376.6	376.6	374.0	374.0	372.7	372.7	372.7	372.7	372.7	374.0
5°	376.6	376.6	375.3	374.0	374.0	372.7	372.7	372.7	372.7	372.7	374.0
7.5°	375.3	375.3	374.0	372.7	372.7	372.7	372.7	372.7	372.7	372.7	375.3
10°	374.0	374.0	372.7	371.3	371.3	371.3	371.3	372.7	372.7	372.7	375.3
12.5°	371.3	370.0	370.0	368.7	368.7	368.7	370.0	370.0	371.3	372.7	375.3
15°	368.7	368.7	367.4	366.0	367.4	367.4	367.4	368.7	370.0	371.3	375.3
17.5°	364.7	364.7	363.4	363.4	363.4	364.7	364.7	366.0	368.7	371.3	374.0
20°	360.8	359.4	359.4	359.4	360.8	360.8	362.1	364.7	366.0	370.0	374.0
22.5°	354.2	355.5	354.2	354.2	355.5	356.8	358.1	360.8	363.4	367.4	371.3
25°	348.9	348.9	348.9	348.9	351.5	351.5	354.2	356.8	360.8	364.7	370.0
27.5°	342.3	342.3	342.3	343.6	344.9	346.2	347.5	351.5	355.5	360.8	366.0
30°	333.0	333.0	333.0	333.0	337.0	338.3	340.9	346.2	350.2	356.8	363.4
32.5°	325.1	325.1	325.1	326.4	329.0	330.4	333.0	339.6	344.9	351.5	358.1
35°	315.8	315.8	317.2	317.2	321.1	322.4	325.1	330.4	335.7	343.6	351.5
37.5°	306.6	306.6	307.9	309.2	311.9	314.5	317.2	322.4	327.7	334.3	342.3
40°	296.0	296.0	297.3	298.7	302.6	305.3	307.9	313.2	318.5	325.1	331.7
42.5°	285.4	285.4	286.8	288.1	292.0	294.7	297.3	303.9	309.2	315.8	321.1
45°	272.2	273.5	274.9	277.5	281.5	284.1	286.8	292.0	298.7	303.9	309.2
47.5°	260.3	261.6	263.0	265.6	269.6	272.2	274.9	280.2	285.4	290.7	297.3
50°	247.1	248.4	249.8	252.4	256.4	259.0	261.6	266.9	272.2	276.2	282.8
52.5°	232.6	233.9	235.2	237.9	243.1	244.5	247.1	252.4	256.4	261.6	266.9
55°	218.0	219.4	220.7	223.3	227.3	229.9	231.3	236.5	240.5	245.8	251.1
57.5°	203.5	204.8	206.1	208.8	211.4	214.1	215.4	219.4	224.6	228.6	233.9
60°	187.6	189.0	190.3	191.6	195.6	196.9	198.2	202.2	206.1	211.4	215.4
62.5°	171.8	171.8	173.1	174.4	178.4	179.7	181.0	183.7	189.0	191.6	195.6
65°	154.6	154.6	155.9	157.3	159.9	161.2	162.5	165.2	169.1	171.8	175.8
67.5°	136.1	136.1	137.4	138.8	141.4	142.7	142.7	146.7	149.3	152.0	154.6
70°	118.9	118.9	120.3	120.3	121.6	122.9	124.2	126.9	128.2	132.1	133.5
72.5°	100.4	100.4	100.4	100.4	103.1	103.1	104.4	107.0	108.4	111.0	113.6
75°	80.6	80.6	81.9	81.9	83.3	84.6	85.9	87.2	89.9	91.2	92.5
77.5°	63.4	62.1	63.4	64.8	66.1	66.1	67.4	68.7	70.0	72.7	74.0
80°	44.9	44.9	44.9	46.3	47.6	47.6	48.9	50.2	51.5	54.2	55.5
82.5°	29.1	29.1	30.4	30.4	31.7	33.0	33.0	34.4	35.7	38.3	39.6
85°	15.9	15.9	15.9	17.2	18.5	18.5	19.8	21.1	23.8	25.1	27.8
87.5°	5.3	5.3	6.6	7.9	9.3	9.3	10.6	11.9	13.2	15.9	17.2
90°	1.3	1.3	1.3	2.6	2.6	4.0	4.0	5.3	6.6	7.9	9.3
92.5°	5.3	9.3	14.5	21.1	19.8	21.1	14.5	9.3	9.3	9.3	10.6
95°	15.9	23.8	38.3	60.8	79.3	89.9	99.1	108.4	126.9	128.2	122.9
97.5°	31.7	43.6	70.0	99.1	132.1	149.3	162.5	190.3	219.4	237.9	260.3
100°	52.9	70.0	104.4	144.0	182.4	204.8	226.0	265.6	301.3	333.0	367.4
102.5°	78.0	97.8	140.1	189.0	236.5	261.6	284.1	330.4	379.3	421.5	458.5
105°	104.4	126.9	177.1	232.6	286.8	315.8	343.6	393.8	445.3	491.6	535.2
107.5°	133.5	157.3	211.4	273.5	334.3	367.4	397.8	451.9	506.1	556.3	602.6
110°	161.2	187.6	244.5	311.9	380.6	413.6	444.0	503.5	560.3	613.2	662.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	190.3	218.0	274.9	348.9	418.9	453.3	485.0	548.4	607.9	662.1	710.9
115°	218.0	244.5	303.9	380.6	451.9	487.6	522.0	586.7	648.8	703.0	753.2
117.5°	244.5	269.6	330.4	407.0	481.0	516.7	551.1	618.4	680.6	737.4	786.3
120°	270.9	293.4	359.4	429.5	504.8	540.5	576.2	643.6	707.0	763.8	814.0
122.5°	294.7	315.8	380.6	449.3	523.3	560.3	594.7	663.4	728.1	784.9	833.8
125°	315.8	335.7	400.4	465.2	539.2	574.8	610.5	677.9	742.7	798.2	848.4
127.5°	337.0	356.8	414.9	481.0	549.7	586.7	621.1	688.5	751.9	808.7	857.6
130°	359.4	374.0	429.5	495.5	560.3	594.7	630.3	695.1	757.2	812.7	861.6
132.5°	377.9	391.2	444.0	507.4	568.2	601.3	633.0	697.7	759.8	812.7	860.3
135°	395.1	405.7	454.6	518.0	574.8	605.2	635.6	696.4	757.2	810.1	856.3
137.5°	411.0	421.5	463.8	525.9	580.1	606.6	635.6	692.4	750.6	803.4	847.1
140°	425.5	433.4	471.8	529.9	582.8	607.9	633.0	685.8	740.0	791.6	835.2
142.5°	440.0	446.7	478.4	532.5	584.1	607.9	631.7	677.9	728.1	778.3	822.0
145°	450.6	457.2	483.7	533.9	582.8	605.2	626.4	670.0	714.9	761.2	803.4
147.5°	462.5	467.8	488.9	531.2	578.8	599.9	619.8	659.4	700.4	742.7	782.3
150°	470.4	475.7	491.6	528.6	572.2	592.0	611.8	648.8	685.8	722.8	757.2
152.5°	478.4	482.3	495.5	524.6	564.3	582.8	601.3	636.9	671.3	704.3	734.7
155°	485.0	488.9	498.2	522.0	555.0	572.2	589.4	623.7	655.4	684.5	712.3
157.5°	491.6	494.2	500.8	518.0	544.4	560.3	576.2	606.6	635.6	664.7	687.2
160°	496.9	498.2	503.5	516.7	535.2	547.1	561.6	589.4	615.8	640.9	662.1
162.5°	502.2	502.2	506.1	514.0	527.3	535.2	545.8	569.6	593.3	615.8	635.6
165°	504.8	504.8	507.4	512.7	520.7	525.9	532.5	548.4	566.9	586.7	605.2
167.5°	507.4	507.4	508.8	511.4	516.7	519.3	522.0	532.5	544.4	559.0	573.5
170°	510.1	508.8	508.8	511.4	512.7	514.0	515.4	520.7	525.9	535.2	543.1
172.5°	510.1	508.8	508.8	510.1	510.1	510.1	510.1	511.4	512.7	518.0	520.7
175°	510.1	508.8	508.8	508.8	508.8	507.4	507.4	507.4	507.4	507.4	508.8
177.5°	510.1	508.8	507.4	507.4	506.1	506.1	504.8	504.8	503.5	503.5	503.5
180°	500.8	500.8	500.8	500.8	500.8	500.8	500.8	500.8	500.8	500.8	500.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	372.7	372.7	372.7	372.7	372.7	372.7	372.7	372.7	372.7	372.7
2.5°	374.0	374.0	372.7	372.7	371.3	371.3	370.0	368.7	367.4	367.4
5°	375.3	374.0	372.7	372.7	372.7	371.3	371.3	371.3	370.0	370.0
7.5°	375.3	375.3	375.3	374.0	374.0	374.0	374.0	374.0	372.7	372.7
10°	376.6	376.6	376.6	376.6	376.6	376.6	376.6	375.3	375.3	375.3
12.5°	376.6	376.6	376.6	377.9	377.9	377.9	377.9	377.9	377.9	377.9
15°	377.9	377.9	379.3	379.3	380.6	380.6	381.9	381.9	381.9	380.6
17.5°	376.6	377.9	379.3	380.6	381.9	381.9	383.2	383.2	383.2	383.2
20°	376.6	379.3	380.6	381.9	383.2	383.2	384.5	385.9	385.9	384.5
22.5°	375.3	377.9	379.3	381.9	383.2	383.2	385.9	385.9	385.9	385.9
25°	374.0	376.6	379.3	381.9	383.2	383.2	385.9	385.9	387.2	387.2
27.5°	371.3	374.0	377.9	380.6	381.9	383.2	384.5	385.9	385.9	385.9
30°	367.4	371.3	375.3	377.9	379.3	380.6	381.9	383.2	384.5	384.5
32.5°	362.1	366.0	370.0	374.0	375.3	376.6	379.3	380.6	380.6	380.6
35°	356.8	360.8	364.7	368.7	370.0	371.3	374.0	375.3	376.6	376.6
37.5°	348.9	352.8	356.8	360.8	362.1	364.7	367.4	368.7	368.7	368.7
40°	337.0	343.6	348.9	352.8	354.2	356.8	358.1	360.8	360.8	360.8
42.5°	326.4	331.7	335.7	340.9	342.3	346.2	348.9	350.2	351.5	351.5
45°	314.5	319.8	323.8	327.7	329.0	331.7	334.3	335.7	337.0	338.3
47.5°	302.6	306.6	310.5	314.5	315.8	318.5	321.1	322.4	323.8	323.8
50°	288.1	292.0	296.0	300.0	301.3	303.9	305.3	306.6	307.9	307.9
52.5°	272.2	276.2	280.2	284.1	285.4	286.8	289.4	290.7	292.0	292.0
55°	256.4	260.3	263.0	266.9	268.3	269.6	270.9	273.5	274.9	273.5
57.5°	237.9	241.8	244.5	248.4	249.8	251.1	252.4	253.7	255.0	255.0
60°	218.0	222.0	226.0	228.6	229.9	231.3	232.6	233.9	235.2	235.2
62.5°	198.2	202.2	204.8	208.8	210.1	210.1	211.4	212.8	214.1	214.1
65°	178.4	182.4	183.7	187.6	187.6	189.0	190.3	191.6	191.6	191.6
67.5°	157.3	161.2	162.5	165.2	165.2	166.5	167.8	169.1	169.1	169.1
70°	137.4	138.8	141.4	142.7	144.0	144.0	145.4	146.7	148.0	146.7
72.5°	116.3	117.6	120.3	121.6	121.6	122.9	122.9	124.2	125.5	125.5
75°	95.1	97.8	99.1	100.4	101.8	101.8	103.1	104.4	104.4	104.4
77.5°	75.3	78.0	79.3	80.6	81.9	81.9	83.3	83.3	84.6	83.3
80°	58.1	59.5	60.8	62.1	63.4	63.4	64.8	66.1	66.1	66.1
82.5°	42.3	43.6	46.3	47.6	47.6	47.6	50.2	50.2	51.5	50.2
85°	29.1	30.4	33.0	34.4	35.7	35.7	35.7	37.0	38.3	37.0
87.5°	18.5	21.1	22.5	23.8	23.8	23.8	25.1	26.4	26.4	26.4
90°	10.6	10.6	11.9	13.2	13.2	14.5	14.5	15.9	15.9	15.9
92.5°	10.6	11.9	11.9	11.9	13.2	13.2	13.2	14.5	14.5	14.5
95°	89.9	64.8	37.0	29.1	25.1	25.1	23.8	25.1	23.8	23.8
97.5°	272.2	294.7	305.3	319.8	327.7	326.4	321.1	326.4	322.4	326.4
100°	387.2	408.3	424.2	428.2	436.1	440.0	454.6	465.2	470.4	477.0
102.5°	481.0	506.1	524.6	535.2	543.1	548.4	565.6	581.4	589.4	594.7
105°	566.9	593.3	615.8	626.4	635.6	640.9	659.4	677.9	689.8	696.4
107.5°	635.6	666.0	689.8	705.7	714.9	724.2	746.6	765.1	779.7	786.3
110°	697.7	728.1	753.2	771.7	782.3	791.6	816.7	837.8	853.7	861.6



TEST NUMBER: P395454

CATALOG NUMBER: I3-CL-60L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	749.3	782.3	807.4	827.2	837.8	851.0	874.8	898.6	914.5	923.7
115°	791.6	825.9	852.3	873.5	885.4	897.3	925.0	948.8	964.7	971.3
117.5°	827.2	861.6	889.3	910.5	923.7	936.9	964.7	985.8	1003.0	1008.3
120°	856.3	890.7	918.4	942.2	955.4	967.3	993.7	1016.2	1032.1	1036.0
122.5°	876.1	911.8	940.9	967.3	979.2	991.1	1016.2	1038.7	1053.2	1057.2
125°	890.7	927.7	956.7	984.5	996.4	1008.3	1032.1	1054.5	1066.4	1071.7
127.5°	899.9	936.9	968.6	995.1	1008.3	1018.8	1042.6	1062.5	1074.3	1078.3
130°	902.6	940.9	972.6	1000.3	1012.2	1022.8	1045.3	1065.1	1075.7	1078.3
132.5°	902.6	939.6	972.6	999.0	1010.9	1021.5	1042.6	1061.1	1071.7	1074.3
135°	897.3	933.0	966.0	992.4	1004.3	1014.9	1036.0	1051.9	1062.5	1063.8
137.5°	888.0	922.4	954.1	980.5	992.4	1003.0	1021.5	1038.7	1047.9	1050.6
140°	876.1	907.8	939.6	964.7	976.6	985.8	1004.3	1018.8	1028.1	1030.7
142.5°	860.3	892.0	921.1	946.2	955.4	966.0	981.8	996.4	1004.3	1007.0
145°	843.1	873.5	899.9	922.4	933.0	942.2	956.7	970.0	977.9	980.5
147.5°	820.6	851.0	876.1	897.3	906.5	915.8	929.0	940.9	948.8	951.5
150°	792.9	820.6	847.1	866.9	876.1	885.4	898.6	909.2	917.1	918.4
152.5°	765.1	791.6	814.0	833.8	843.1	852.3	864.2	874.8	884.1	884.1
155°	738.7	761.2	782.3	799.5	807.4	815.3	827.2	836.5	844.4	844.4
157.5°	710.9	732.1	749.3	765.1	771.7	778.3	788.9	796.8	803.4	802.1
160°	684.5	700.4	716.2	729.4	736.1	741.3	749.3	755.9	762.5	761.2
162.5°	655.4	670.0	683.2	692.4	697.7	701.7	709.6	716.2	720.2	720.2
165°	622.4	635.6	647.5	656.8	662.1	664.7	671.3	675.3	679.2	679.2
167.5°	588.1	598.6	609.2	617.1	622.4	625.1	631.7	634.3	639.6	638.3
170°	553.7	561.6	569.6	576.2	578.8	581.4	586.7	589.4	592.0	592.0
172.5°	525.9	528.6	532.5	537.8	537.8	539.2	541.8	543.1	544.4	544.4
175°	510.1	511.4	511.4	511.4	511.4	511.4	512.7	511.4	512.7	511.4
177.5°	503.5	503.5	502.2	502.2	500.8	502.2	500.8	499.5	499.5	498.2
180°	500.8	500.8	500.8	500.8	500.8	500.8	500.8	500.8	500.8	500.8

(END OF REPORT)