

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: P275049

Luminaire Tested: **J3-CL-60L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275049
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-CL-60L92765-1D-UNV-W2A-W-4 (3500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4948.5 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

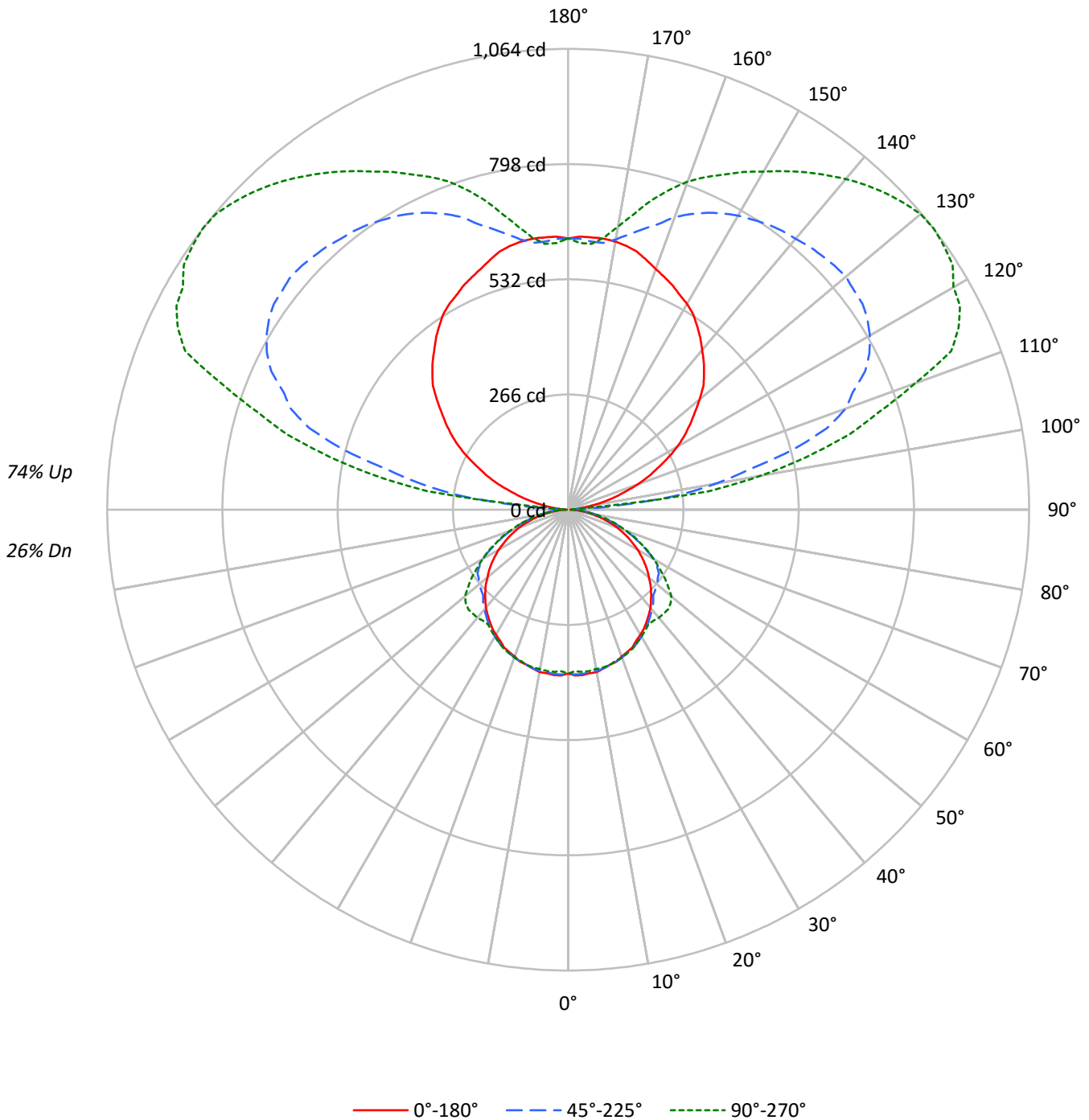
Input Watts (W): 44.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P275049

CATALOG NUMBER: J3-CL-60L92765-1D-UNV-W2A-W-4 (3500K)

Luminous Intensity Polar Plot





TEST NUMBER: P275049

CATALOG NUMBER: J3-CL-60L92765-1D-UNV-W2A-W-4 (3500K)

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	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	92	88	84	80	82	78	75	72	61	58	56	44	43	42	29	28	28	21
2	84	76	70	65	74	68	63	59	53	49	46	38	36	34	25	24	23	17
3	76	67	60	54	67	60	54	49	46	42	38	34	31	29	22	21	19	14
4	69	59	51	45	61	53	46	41	41	36	32	30	27	24	20	18	16	12
5	63	52	44	38	56	47	40	35	36	31	28	27	23	21	18	16	14	10
6	58	46	39	33	52	42	35	30	32	28	24	24	21	18	16	14	12	9
7	54	42	34	29	48	37	31	26	29	24	21	22	18	16	14	12	11	8
8	50	38	30	25	44	34	27	23	26	22	18	20	16	14	13	11	9	7
9	46	34	27	22	41	31	24	20	24	19	16	18	15	12	12	10	8	6
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3053	3053	3053
5°	3105	3085	3045
10°	3121	3100	3059
15°	3098	3098	3098
20°	3098	3119	3119
25°	3123	3145	3145
30°	3105	3152	3152
35°	3110	3160	3184
40°	3114	3167	3431
45°	3088	3174	3717
50°	3051	3366	3901
55°	3032	3596	3807
60°	2992	3680	3680
65°	2919	3492	3540
70°	2837	3312	3371
75°	2658	3125	3203
80°	2445	3027	2910
85°	2316	3251	2788



TEST NUMBER: P275049

CATALOG NUMBER: J3-CL-60L92765-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.1	0.7
10°-20°	104.7	2.1
20°-30°	161.7	3.3
30°-40°	200.6	4.1
40°-50°	224.5	4.5
50°-60°	219.4	4.4
60°-70°	173.1	3.5
70°-80°	104.7	2.1
80°-90°	37.3	0.8
90°-100°	128.5	2.6
100°-110°	497.1	10.0
110°-120°	683.1	13.8
120°-130°	691.1	14.0
130°-140°	612.5	12.4
140°-150°	484.4	9.8
150°-160°	338.2	6.8
160°-170°	191.4	3.9
170°-180°	60.0	1.2
0°-30°	302.5	6.1
0°-40°	503.1	10.2
0°-60°	947.0	19.1
0°-90°	1262.1	25.5
90°-120°	1308.7	26.4
90°-150°	3096.7	62.6
90°-180°	3686.0	74.5
0°-180°	4948.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	378	378	378	378	378	
5°	383	378	381	378	376	36
15°	371	368	371	371	371	105
25°	351	346	353	353	353	161
35°	316	316	321	323	323	198
45°	270	273	278	313	326	209
55°	215	218	256	270	270	192
65°	153	160	183	185	185	151
75°	85	100	100	103	103	90
85°	25	40	35	33	30	26
90°	5	15	12	2	2	5
95°	20	100	120	25	25	25
105°	110	356	538	621	671	117
115°	228	481	756	937	994	227
125°	343	556	829	1009	1059	307
135°	443	611	829	992	1034	341
145°	518	626	804	922	952	324
155°	571	611	756	839	854	263
165°	616	614	671	729	739	173
175°	631	624	621	621	616	60
180°	626	626	626	626	626	



TEST NUMBER: P275049

CATALOG NUMBER: J3-CL-60L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	378.2	378.2	378.2	378.2	378.2
2.5°	383.2	378.2	380.7	378.2	373.2
5°	383.2	378.2	380.7	378.2	375.7
7.5°	380.7	378.2	378.2	375.7	375.7
10°	380.7	375.7	378.2	375.7	373.2
12.5°	375.7	373.2	375.7	373.2	373.2
15°	370.7	368.2	370.7	370.7	370.7
17.5°	368.2	363.1	368.2	368.2	365.7
20°	360.6	358.1	363.1	363.1	363.1
22.5°	355.6	353.1	358.1	358.1	358.1
25°	350.6	345.6	353.1	353.1	353.1
27.5°	340.6	340.6	345.6	348.1	345.6
30°	333.1	330.6	338.1	340.6	338.1
32.5°	325.6	323.1	330.6	333.1	330.6
35°	315.6	315.6	320.6	323.1	323.1
37.5°	305.5	305.5	310.6	313.1	323.1
40°	295.5	295.5	300.5	315.6	325.6
42.5°	283.0	283.0	290.5	313.1	325.6
45°	270.5	273.0	278.0	313.1	325.6
47.5°	258.0	260.5	273.0	310.6	320.6
50°	242.9	247.9	268.0	303.0	310.6
52.5°	230.4	232.9	260.5	290.5	290.5
55°	215.4	217.9	255.5	270.5	270.5
57.5°	200.4	202.9	242.9	247.9	247.9
60°	185.3	187.8	227.9	227.9	227.9
62.5°	167.8	172.8	205.4	207.9	207.9
65°	152.8	160.3	182.8	185.3	185.3
67.5°	135.2	147.8	162.8	165.3	165.3
70°	120.2	135.2	140.3	142.8	142.8
72.5°	102.7	117.7	120.2	122.7	122.7
75°	85.2	100.2	100.2	102.7	102.7
77.5°	67.6	80.1	82.6	82.6	82.6
80°	52.6	60.1	65.1	62.6	62.6
82.5°	37.6	47.6	47.6	47.6	45.1
85°	25.0	40.1	35.1	32.6	30.1
87.5°	15.0	35.1	20.0	17.5	17.5
90°	5.0	15.0	12.5	2.5	2.5
92.5°	10.0	25.0	12.5	10.0	7.5
95°	20.0	100.2	120.2	25.0	25.0
97.5°	37.6	167.8	258.0	305.5	328.1
100°	57.6	250.4	345.6	423.3	450.8
102.5°	82.6	303.0	425.8	523.4	563.5
105°	110.2	355.6	538.5	621.1	671.2
107.5°	137.7	395.7	626.1	718.8	753.8
110°	170.3	428.3	681.2	841.5	851.5



TEST NUMBER: P275049

CATALOG NUMBER: J3-CL-60L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	200.4	453.3	711.3	901.6	956.7
115°	227.9	480.9	756.4	936.7	994.3
117.5°	260.5	500.9	783.9	956.7	1019.3
120°	290.5	518.4	803.9	981.8	1026.8
122.5°	318.1	538.5	819.0	1001.8	1051.9
125°	343.1	556.0	829.0	1009.3	1059.4
127.5°	368.2	571.0	831.5	1011.8	1064.4
130°	395.7	586.0	836.5	1009.3	1061.9
132.5°	423.3	601.1	834.0	1001.8	1049.4
135°	443.3	611.1	829.0	991.8	1034.3
137.5°	463.3	618.6	824.0	976.7	1016.8
140°	480.9	623.6	816.5	959.2	996.8
142.5°	500.9	626.1	811.5	941.7	974.2
145°	518.4	626.1	803.9	921.6	951.7
147.5°	536.0	623.6	793.9	901.6	926.7
150°	548.5	618.6	783.9	881.6	901.6
152.5°	558.5	613.6	771.4	859.0	879.1
155°	571.0	611.1	756.4	839.0	854.0
157.5°	581.0	611.1	738.8	816.5	831.5
160°	591.1	611.1	718.8	793.9	806.4
162.5°	603.6	611.1	691.2	761.4	773.9
165°	616.1	613.6	671.2	728.8	738.8
167.5°	623.6	613.6	651.2	688.7	698.7
170°	628.6	618.6	633.6	661.2	663.7
172.5°	631.1	623.6	621.1	633.6	633.6
175°	631.1	623.6	621.1	621.1	616.1
177.5°	631.1	626.1	626.1	623.6	616.1
180°	626.1	626.1	626.1	626.1	626.1

(END OF REPORT)