

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: P275054

Luminaire Tested: **J3-CL-60L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275054
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 (6500K)
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 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5486.2 lumens
Efficiency: N/A
Efficacy: 118.7 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

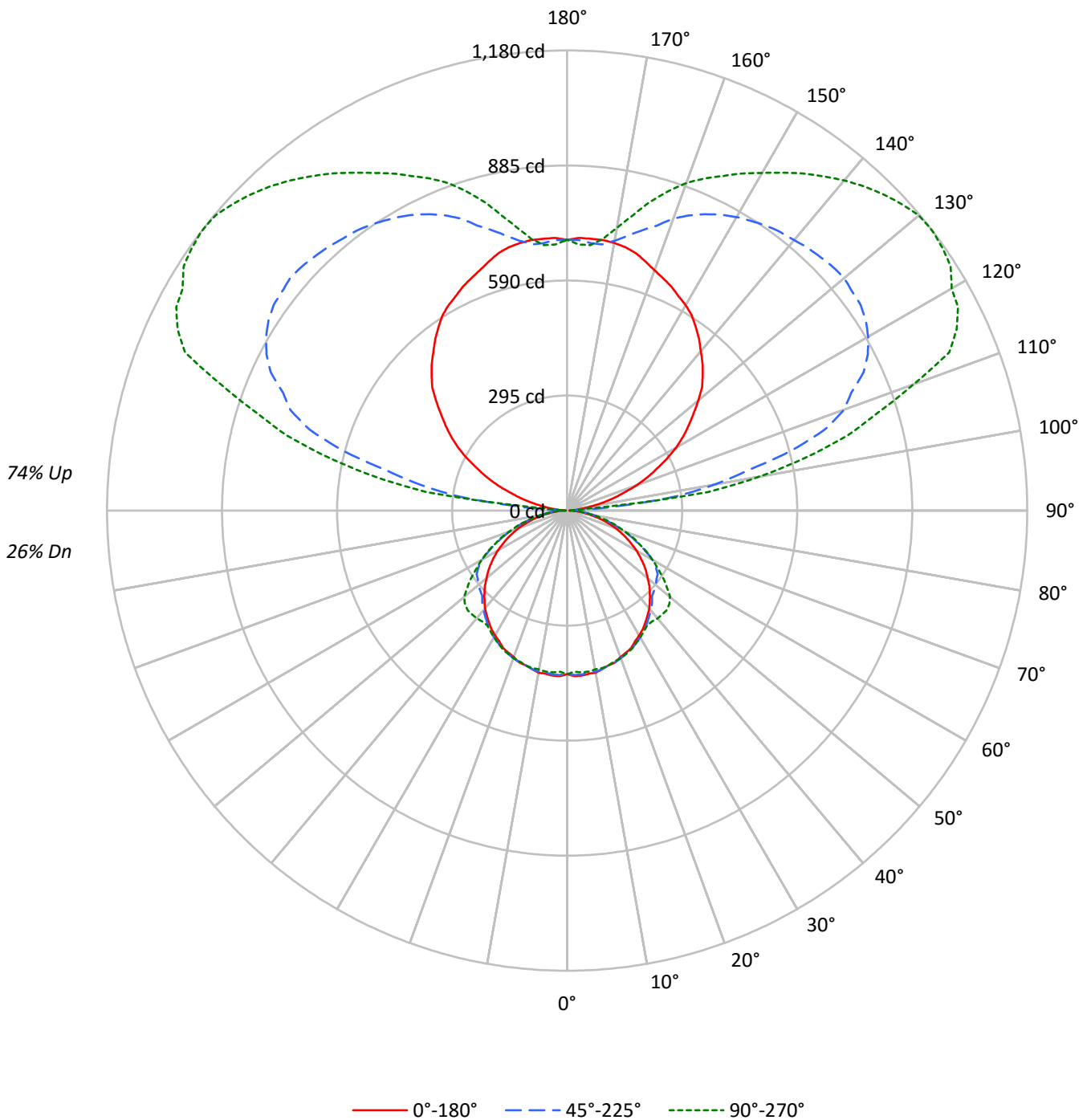
Input Watts (W): 46.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P275054

CATALOG NUMBER: J3-CL-60L92765-1D-UNV-W2A-W-4 (6500K)

Luminous Intensity Polar Plot





TEST NUMBER: P275054

CATALOG NUMBER: J3-CL-60L92765-1D-UNV-W2A-W-4 (6500K)

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	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°	3385	3385	3385
5°	3442	3420	3375
10°	3459	3437	3391
15°	3434	3434	3434
20°	3435	3459	3459
25°	3462	3487	3487
30°	3443	3494	3494
35°	3447	3503	3530
40°	3452	3511	3804
45°	3424	3519	4121
50°	3382	3731	4324
55°	3361	3986	4221
60°	3318	4080	4080
65°	3236	3872	3926
70°	3146	3670	3736
75°	2944	3465	3550
80°	2710	3357	3226
85°	2575	3603	3084



TEST NUMBER: P275054

CATALOG NUMBER: J3-CL-60L92765-1D-UNV-W2A-W-4 (6500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.0	0.7
10°-20°	116.0	2.1
20°-30°	179.3	3.3
30°-40°	222.4	4.1
40°-50°	248.9	4.5
50°-60°	243.2	4.4
60°-70°	191.9	3.5
70°-80°	116.1	2.1
80°-90°	41.4	0.8
90°-100°	142.5	2.6
100°-110°	551.1	10.0
110°-120°	757.3	13.8
120°-130°	766.2	14.0
130°-140°	679.0	12.4
140°-150°	537.0	9.8
150°-160°	375.0	6.8
160°-170°	212.2	3.9
170°-180°	66.5	1.2
0°-30°	335.4	6.1
0°-40°	557.8	10.2
0°-60°	1049.9	19.1
0°-90°	1399.3	25.5
90°-120°	1450.9	26.4
90°-150°	3433.2	62.6
90°-180°	4087.0	74.5
0°-180°	5486.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	419	419	419	419	419	
5°	425	419	422	419	416	40
15°	411	408	411	411	411	116
25°	389	383	392	392	392	178
35°	350	350	355	358	358	219
45°	300	303	308	347	361	231
55°	239	242	283	300	300	213
65°	169	178	203	206	206	167
75°	94	111	111	114	114	100
85°	28	44	39	36	33	29
90°	6	17	14	3	3	5
95°	22	111	133	28	28	28
105°	122	394	597	689	744	130
115°	253	533	838	1038	1102	252
125°	380	616	919	1119	1174	340
135°	492	678	919	1100	1147	379
145°	575	694	891	1022	1055	359
155°	633	678	838	930	947	292
165°	683	680	744	808	819	192
175°	700	691	689	689	683	67
180°	694	694	694	694	694	



TEST NUMBER: P275054

CATALOG NUMBER: J3-CL-60L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	419.3	419.3	419.3	419.3	419.3
2.5°	424.8	419.3	422.0	419.3	413.7
5°	424.8	419.3	422.0	419.3	416.5
7.5°	422.0	419.3	419.3	416.5	416.5
10°	422.0	416.5	419.3	416.5	413.7
12.5°	416.5	413.7	416.5	413.7	413.7
15°	410.9	408.2	410.9	410.9	410.9
17.5°	408.2	402.6	408.2	408.2	405.4
20°	399.8	397.1	402.6	402.6	402.6
22.5°	394.3	391.5	397.1	397.1	397.1
25°	388.7	383.2	391.5	391.5	391.5
27.5°	377.6	377.6	383.2	385.9	383.2
30°	369.3	366.5	374.8	377.6	374.8
32.5°	361.0	358.2	366.5	369.3	366.5
35°	349.8	349.8	355.4	358.2	358.2
37.5°	338.7	338.7	344.3	347.1	358.2
40°	327.6	327.6	333.2	349.8	361.0
42.5°	313.8	313.8	322.1	347.1	361.0
45°	299.9	302.6	308.2	347.1	361.0
47.5°	286.0	288.8	302.6	344.3	355.4
50°	269.3	274.9	297.1	336.0	344.3
52.5°	255.4	258.2	288.8	322.1	322.1
55°	238.8	241.6	283.2	299.9	299.9
57.5°	222.1	224.9	269.3	274.9	274.9
60°	205.5	208.2	252.7	252.7	252.7
62.5°	186.0	191.6	227.7	230.5	230.5
65°	169.4	177.7	202.7	205.5	205.5
67.5°	149.9	163.8	180.5	183.3	183.3
70°	133.3	149.9	155.5	158.3	158.3
72.5°	113.8	130.5	133.3	136.1	136.1
75°	94.4	111.1	111.1	113.8	113.8
77.5°	75.0	88.9	91.6	91.6	91.6
80°	58.3	66.6	72.2	69.4	69.4
82.5°	41.6	52.8	52.8	52.8	50.0
85°	27.8	44.4	38.9	36.1	33.3
87.5°	16.7	38.9	22.2	19.4	19.4
90°	5.6	16.7	13.9	2.8	2.8
92.5°	11.1	27.8	13.9	11.1	8.3
95°	22.2	111.1	133.3	27.8	27.8
97.5°	41.6	186.0	286.0	338.7	363.7
100°	63.9	277.7	383.2	469.2	499.8
102.5°	91.6	336.0	472.0	580.3	624.7
105°	122.2	394.3	597.0	688.6	744.1
107.5°	152.7	438.7	694.1	796.9	835.7
110°	188.8	474.8	755.2	932.9	944.0



TEST NUMBER: P275054

CATALOG NUMBER: J3-CL-60L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	222.1	502.6	788.5	999.6	1060.7
115°	252.7	533.1	838.5	1038.4	1102.3
117.5°	288.8	555.3	869.1	1060.7	1130.1
120°	322.1	574.8	891.3	1088.4	1138.4
122.5°	352.6	597.0	907.9	1110.6	1166.2
125°	380.4	616.4	919.0	1119.0	1174.5
127.5°	408.2	633.1	921.8	1121.7	1180.0
130°	438.7	649.7	927.4	1119.0	1177.3
132.5°	469.2	666.4	924.6	1110.6	1163.4
135°	491.5	677.5	919.0	1099.5	1146.7
137.5°	513.7	685.8	913.5	1082.9	1127.3
140°	533.1	691.4	905.2	1063.4	1105.1
142.5°	555.3	694.1	899.6	1044.0	1080.1
145°	574.8	694.1	891.3	1021.8	1055.1
147.5°	594.2	691.4	880.2	999.6	1027.3
150°	608.1	685.8	869.1	977.4	999.6
152.5°	619.2	680.3	855.2	952.4	974.6
155°	633.1	677.5	838.5	930.2	946.8
157.5°	644.2	677.5	819.1	905.2	921.8
160°	655.3	677.5	796.9	880.2	894.1
162.5°	669.2	677.5	766.3	844.1	858.0
165°	683.0	680.3	744.1	808.0	819.1
167.5°	691.4	680.3	721.9	763.6	774.7
170°	696.9	685.8	702.5	733.0	735.8
172.5°	699.7	691.4	688.6	702.5	702.5
175°	699.7	691.4	688.6	688.6	683.0
177.5°	699.7	694.1	694.1	691.4	683.0
180°	694.1	694.1	694.1	694.1	694.1

(END OF REPORT)