

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: P253492

Luminaire Tested: **J3-CL-60L93050-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253492
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-60L93050-1D-UNV-W2A-W-4 (4500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (336) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5399.4 lumens
Efficiency: N/A
Efficacy: 117.4 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

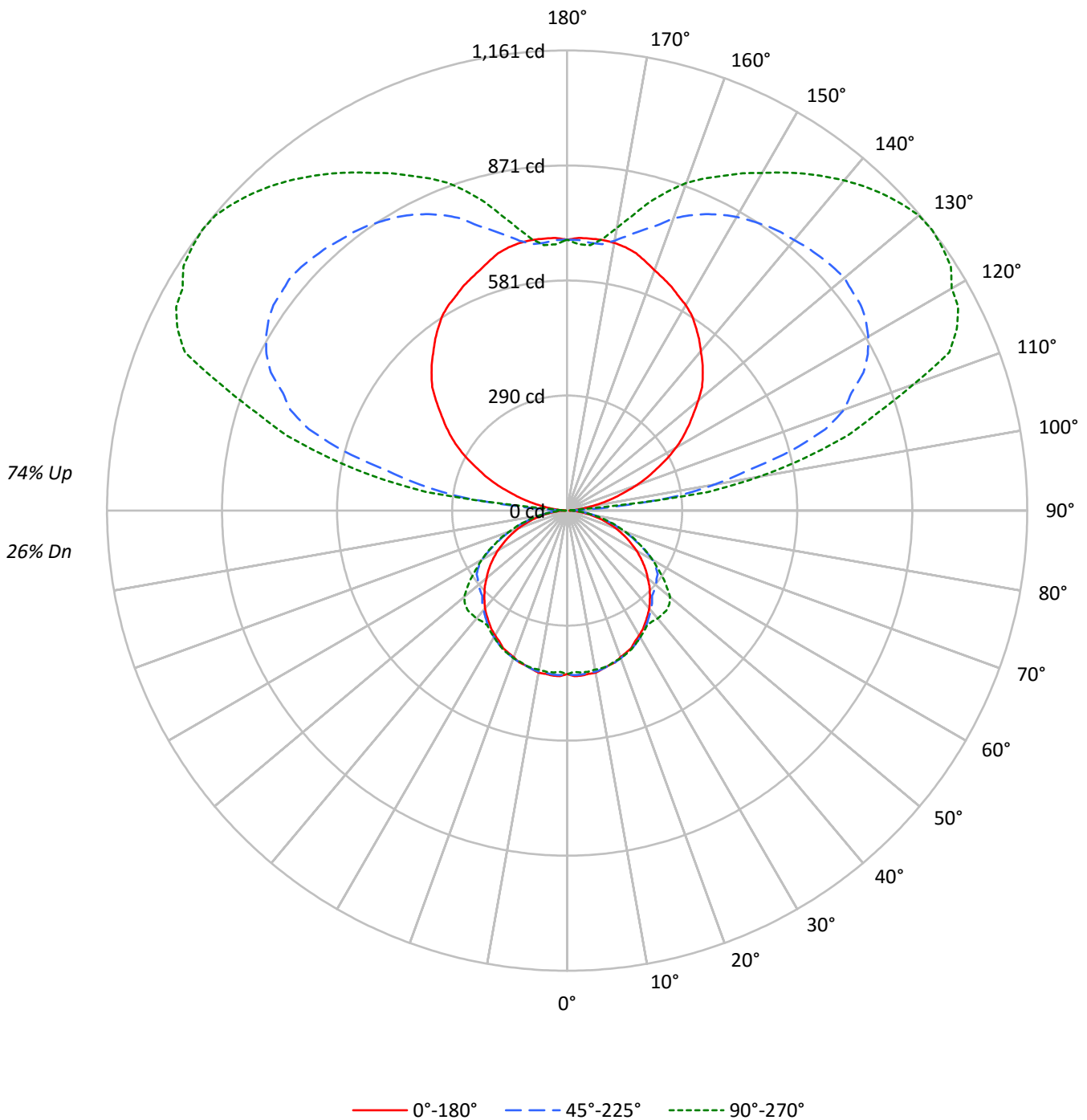
Input Watts (W): 46
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P253492

CATALOG NUMBER: J3-CL-60L93050-1D-UNV-W2A-W-4 (4500K)

Luminous Intensity Polar Plot





TEST NUMBER: P253492

CATALOG NUMBER: J3-CL-60L93050-1D-UNV-W2A-W-4 (4500K)

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°	3331	3331	3331
5°	3388	3366	3322
10°	3405	3382	3338
15°	3380	3380	3380
20°	3381	3404	3404
25°	3408	3432	3432
30°	3388	3439	3439
35°	3393	3447	3474
40°	3399	3456	3743
45°	3369	3463	4055
50°	3329	3672	4255
55°	3308	3923	4153
60°	3265	4015	4015
65°	3184	3811	3862
70°	3097	3611	3677
75°	2898	3409	3493
80°	2669	3301	3175
85°	2529	3548	3038



TEST NUMBER: P253492

CATALOG NUMBER: J3-CL-60L93050-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.4	0.7
10°-20°	114.2	2.1
20°-30°	176.5	3.3
30°-40°	218.9	4.1
40°-50°	245.0	4.5
50°-60°	239.4	4.4
60°-70°	188.9	3.5
70°-80°	114.3	2.1
80°-90°	40.7	0.8
90°-100°	140.3	2.6
100°-110°	542.4	10.0
110°-120°	745.4	13.8
120°-130°	754.1	14.0
130°-140°	668.3	12.4
140°-150°	528.6	9.8
150°-160°	369.1	6.8
160°-170°	208.8	3.9
170°-180°	65.5	1.2
0°-30°	330.0	6.1
0°-40°	548.9	10.2
0°-60°	1033.3	19.1
0°-90°	1377.1	25.5
90°-120°	1428.0	26.4
90°-150°	3378.9	62.6
90°-180°	4022.0	74.5
0°-180°	5399.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	413	413	413	413	413	
5°	418	413	415	413	410	40
15°	404	402	404	404	404	115
25°	383	377	385	385	385	176
35°	344	344	350	352	352	216
45°	295	298	303	342	355	228
55°	235	238	279	295	295	210
65°	167	175	200	202	202	164
75°	93	109	109	112	112	98
85°	27	44	38	36	33	29
90°	6	16	14	3	3	5
95°	22	109	131	27	27	27
105°	120	388	588	678	732	128
115°	249	525	825	1022	1085	248
125°	374	607	904	1101	1156	335
135°	484	667	904	1082	1129	373
145°	566	683	877	1006	1038	354
155°	623	667	825	915	932	287
165°	672	670	732	795	806	189
175°	689	680	678	678	672	66
180°	683	683	683	683	683	



TEST NUMBER: P253492

CATALOG NUMBER: J3-CL-60L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	412.6	412.6	412.6	412.6	412.6
2.5°	418.1	412.6	415.4	412.6	407.2
5°	418.1	412.6	415.4	412.6	409.9
7.5°	415.4	412.6	412.6	409.9	409.9
10°	415.4	409.9	412.6	409.9	407.2
12.5°	409.9	407.2	409.9	407.2	407.2
15°	404.4	401.7	404.4	404.4	404.4
17.5°	401.7	396.2	401.7	401.7	399.0
20°	393.5	390.8	396.2	396.2	396.2
22.5°	388.0	385.3	390.8	390.8	390.8
25°	382.6	377.1	385.3	385.3	385.3
27.5°	371.6	371.6	377.1	379.8	377.1
30°	363.4	360.7	368.9	371.6	368.9
32.5°	355.2	352.5	360.7	363.4	360.7
35°	344.3	344.3	349.8	352.5	352.5
37.5°	333.4	333.4	338.8	341.6	352.5
40°	322.5	322.5	327.9	344.3	355.2
42.5°	308.8	308.8	317.0	341.6	355.2
45°	295.1	297.9	303.3	341.6	355.2
47.5°	281.5	284.2	297.9	338.8	349.8
50°	265.1	270.5	292.4	330.7	338.8
52.5°	251.4	254.1	284.2	317.0	317.0
55°	235.0	237.7	278.7	295.1	295.1
57.5°	218.6	221.3	265.1	270.5	270.5
60°	202.2	204.9	248.7	248.7	248.7
62.5°	183.1	188.6	224.1	226.8	226.8
65°	166.7	174.9	199.5	202.2	202.2
67.5°	147.6	161.2	177.6	180.4	180.4
70°	131.2	147.6	153.0	155.8	155.8
72.5°	112.0	128.4	131.2	133.9	133.9
75°	92.9	109.3	109.3	112.0	112.0
77.5°	73.8	87.4	90.2	90.2	90.2
80°	57.4	65.6	71.0	68.3	68.3
82.5°	41.0	51.9	51.9	51.9	49.2
85°	27.3	43.7	38.3	35.5	32.8
87.5°	16.4	38.3	21.9	19.1	19.1
90°	5.5	16.4	13.7	2.7	2.7
92.5°	10.9	27.3	13.7	10.9	8.2
95°	21.9	109.3	131.2	27.3	27.3
97.5°	41.0	183.1	281.5	333.4	358.0
100°	62.9	273.3	377.1	461.8	491.9
102.5°	90.2	330.7	464.6	571.1	614.8
105°	120.2	388.0	587.5	677.7	732.4
107.5°	150.3	431.8	683.2	784.3	822.5
110°	185.8	467.3	743.3	918.2	929.1



TEST NUMBER: P253492

CATALOG NUMBER: J3-CL-60L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	218.6	494.6	776.1	983.8	1043.9
115°	248.7	524.7	825.3	1022.0	1084.9
117.5°	284.2	546.5	855.3	1043.9	1112.2
120°	317.0	565.7	877.2	1071.2	1120.4
122.5°	347.0	587.5	893.6	1093.1	1147.7
125°	374.4	606.6	904.5	1101.3	1155.9
127.5°	401.7	623.0	907.2	1104.0	1161.4
130°	431.8	639.4	912.7	1101.3	1158.6
132.5°	461.8	655.8	910.0	1093.1	1145.0
135°	483.7	666.8	904.5	1082.1	1128.6
137.5°	505.5	675.0	899.0	1065.7	1109.5
140°	524.7	680.4	890.8	1046.6	1087.6
142.5°	546.5	683.2	885.4	1027.5	1063.0
145°	565.7	683.2	877.2	1005.6	1038.4
147.5°	584.8	680.4	866.3	983.8	1011.1
150°	598.5	675.0	855.3	961.9	983.8
152.5°	609.4	669.5	841.7	937.3	959.2
155°	623.0	666.8	825.3	915.4	931.8
157.5°	634.0	666.8	806.1	890.8	907.2
160°	644.9	666.8	784.3	866.3	879.9
162.5°	658.6	666.8	754.2	830.7	844.4
165°	672.2	669.5	732.4	795.2	806.1
167.5°	680.4	669.5	710.5	751.5	762.4
170°	685.9	675.0	691.4	721.4	724.2
172.5°	688.6	680.4	677.7	691.4	691.4
175°	688.6	680.4	677.7	677.7	672.2
177.5°	688.6	683.2	683.2	680.4	672.2
180°	683.2	683.2	683.2	683.2	683.2

(END OF REPORT)