

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: P253498

Luminaire Tested: **J3-CL-60L93050-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253498
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 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5398.3 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

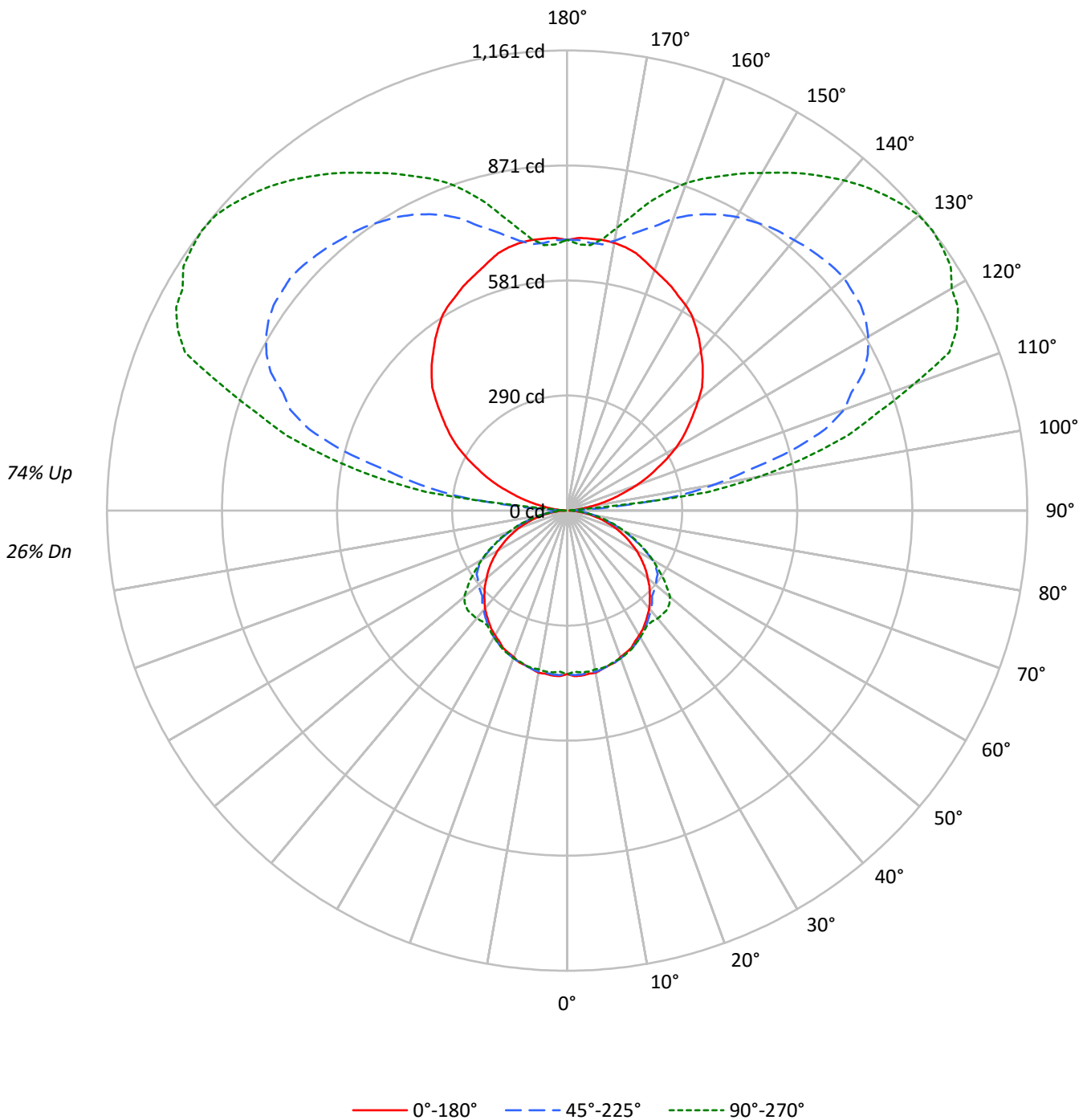
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3387	3366	3321
10°	3404	3382	3337
15°	3380	3380	3380
20°	3380	3404	3404
25°	3407	3431	3431
30°	3388	3438	3438
35°	3393	3446	3473
40°	3398	3456	3743
45°	3369	3463	4055
50°	3328	3671	4255
55°	3308	3923	4153
60°	3265	4014	4014
65°	3184	3809	3862
70°	3094	3611	3675
75°	2898	3409	3493
80°	2669	3301	3175
85°	2529	3548	3038



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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°	244.9	4.5
50°-60°	239.3	4.4
60°-70°	188.8	3.5
70°-80°	114.3	2.1
80°-90°	40.7	0.8
90°-100°	140.2	2.6
100°-110°	542.3	10.0
110°-120°	745.2	13.8
120°-130°	753.9	14.0
130°-140°	668.2	12.4
140°-150°	528.4	9.8
150°-160°	369.0	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°	1033.1	19.1
0°-90°	1376.9	25.5
90°-120°	1427.7	26.4
90°-150°	3378.2	62.6
90°-180°	4021.0	74.5
0°-180°	5398.3	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°	382	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	199	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	587	678	732	128
115°	249	525	825	1022	1085	248
125°	374	606	904	1101	1156	335
135°	484	667	904	1082	1128	372
145°	566	683	877	1005	1038	354
155°	623	667	825	915	932	287
165°	672	669	732	795	806	189
175°	688	680	678	678	672	66
180°	683	683	683	683	683	



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CATALOG NUMBER: J3-CL-60L93050-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	412.6	412.6	412.6	412.6	412.6
2.5°	418.0	412.6	415.3	412.6	407.1
5°	418.0	412.6	415.3	412.6	409.8
7.5°	415.3	412.6	412.6	409.8	409.8
10°	415.3	409.8	412.6	409.8	407.1
12.5°	409.8	407.1	409.8	407.1	407.1
15°	404.4	401.6	404.4	404.4	404.4
17.5°	401.6	396.2	401.6	401.6	398.9
20°	393.4	390.7	396.2	396.2	396.2
22.5°	388.0	385.2	390.7	390.7	390.7
25°	382.5	377.0	385.2	385.2	385.2
27.5°	371.6	371.6	377.0	379.8	377.0
30°	363.4	360.6	368.8	371.6	368.8
32.5°	355.2	352.4	360.6	363.4	360.6
35°	344.3	344.3	349.7	352.4	352.4
37.5°	333.3	333.3	338.8	341.5	352.4
40°	322.4	322.4	327.9	344.3	355.2
42.5°	308.7	308.7	316.9	341.5	355.2
45°	295.1	297.8	303.3	341.5	355.2
47.5°	281.4	284.1	297.8	338.8	349.7
50°	265.0	270.5	292.3	330.6	338.8
52.5°	251.4	254.1	284.1	316.9	316.9
55°	235.0	237.7	278.7	295.1	295.1
57.5°	218.6	221.3	265.0	270.5	270.5
60°	202.2	204.9	248.6	248.6	248.6
62.5°	183.1	188.5	224.0	226.8	226.8
65°	166.7	174.9	199.4	202.2	202.2
67.5°	147.5	161.2	177.6	180.3	180.3
70°	131.1	147.5	153.0	155.7	155.7
72.5°	112.0	128.4	131.1	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	131.1	27.3	27.3
97.5°	41.0	183.1	281.4	333.3	357.9
100°	62.8	273.2	377.0	461.7	491.8
102.5°	90.2	330.6	464.5	571.0	614.7
105°	120.2	388.0	587.4	677.6	732.2
107.5°	150.3	431.7	683.0	784.1	822.4
110°	185.8	467.2	743.1	918.0	928.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	218.6	494.5	775.9	983.6	1043.7
115°	248.6	524.6	825.1	1021.8	1084.7
117.5°	284.1	546.4	855.2	1043.7	1112.0
120°	316.9	565.6	877.0	1071.0	1120.2
122.5°	347.0	587.4	893.4	1092.9	1147.5
125°	374.3	606.5	904.3	1101.1	1155.7
127.5°	401.6	622.9	907.1	1103.8	1161.2
130°	431.7	639.3	912.5	1101.1	1158.4
132.5°	461.7	655.7	909.8	1092.9	1144.8
135°	483.6	666.6	904.3	1081.9	1128.4
137.5°	505.4	674.8	898.9	1065.5	1109.3
140°	524.6	680.3	890.7	1046.4	1087.4
142.5°	546.4	683.0	885.2	1027.3	1062.8
145°	565.6	683.0	877.0	1005.4	1038.2
147.5°	584.7	680.3	866.1	983.6	1010.9
150°	598.3	674.8	855.2	961.7	983.6
152.5°	609.3	669.4	841.5	937.1	959.0
155°	622.9	666.6	825.1	915.3	931.7
157.5°	633.9	666.6	806.0	890.7	907.1
160°	644.8	666.6	784.1	866.1	879.8
162.5°	658.4	666.6	754.1	830.6	844.2
165°	672.1	669.4	732.2	795.1	806.0
167.5°	680.3	669.4	710.4	751.3	762.3
170°	685.8	674.8	691.2	721.3	724.0
172.5°	688.5	680.3	677.6	691.2	691.2
175°	688.5	680.3	677.6	677.6	672.1
177.5°	688.5	683.0	683.0	680.3	672.1
180°	683.0	683.0	683.0	683.0	683.0

(END OF REPORT)