

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: P253444

Luminaire Tested: **J3-CL-60L83050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253444
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-60L83050-1D-UNV-W2A-W-4 (3000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (336) 3000K-5000K CCT, 80 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5465.9 lumens
Efficiency: N/A
Efficacy: 124.2 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

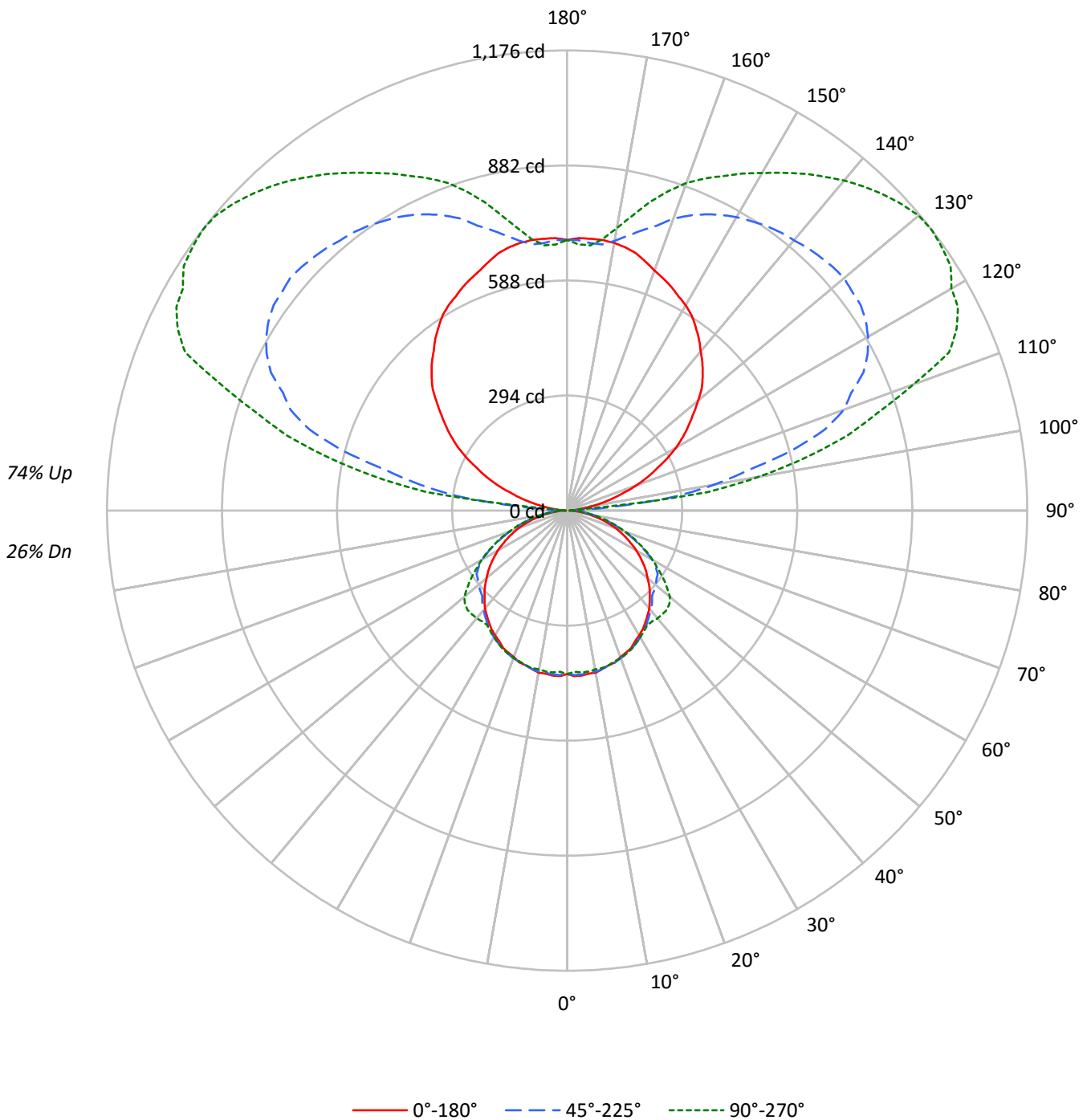
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3372	3372	3372
5°	3430	3408	3363
10°	3447	3424	3379
15°	3422	3422	3422
20°	3423	3446	3446
25°	3450	3475	3475
30°	3430	3482	3482
35°	3436	3490	3517
40°	3440	3499	3790
45°	3411	3506	4106
50°	3370	3718	4308
55°	3348	3972	4206
60°	3305	4064	4064
65°	3223	3857	3910
70°	3135	3656	3722
75°	2935	3453	3537
80°	2701	3343	3217
85°	2566	3585	3075



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.8	0.7
10°-20°	115.6	2.1
20°-30°	178.7	3.3
30°-40°	221.6	4.1
40°-50°	248.0	4.5
50°-60°	242.3	4.4
60°-70°	191.2	3.5
70°-80°	115.7	2.1
80°-90°	41.2	0.8
90°-100°	142.0	2.6
100°-110°	549.0	10.0
110°-120°	754.5	13.8
120°-130°	763.3	14.0
130°-140°	676.5	12.4
140°-150°	535.1	9.8
150°-160°	373.6	6.8
160°-170°	211.4	3.9
170°-180°	66.3	1.2
0°-30°	334.1	6.1
0°-40°	555.8	10.2
0°-60°	1046.1	19.1
0°-90°	1394.1	25.5
90°-120°	1445.6	26.4
90°-150°	3420.5	62.6
90°-180°	4072.0	74.5
0°-180°	5465.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	418	418	418	418	418	
5°	423	418	420	418	415	40
15°	409	407	409	409	409	116
25°	387	382	390	390	390	178
35°	349	349	354	357	357	218
45°	299	302	307	346	360	231
55°	238	241	282	299	299	213
65°	169	177	202	205	205	166
75°	94	111	111	113	113	100
85°	28	44	39	36	33	29
90°	6	17	14	3	3	5
95°	22	111	133	28	28	27
105°	122	393	595	686	741	129
115°	252	531	835	1035	1098	251
125°	379	614	916	1115	1170	339
135°	490	675	916	1096	1142	377
145°	573	692	888	1018	1051	358
155°	631	675	835	927	943	291
165°	680	678	741	805	816	191
175°	697	689	686	686	680	66
180°	692	692	692	692	692	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	417.7	417.7	417.7	417.7	417.7
2.5°	423.3	417.7	420.5	417.7	412.2
5°	423.3	417.7	420.5	417.7	415.0
7.5°	420.5	417.7	417.7	415.0	415.0
10°	420.5	415.0	417.7	415.0	412.2
12.5°	415.0	412.2	415.0	412.2	412.2
15°	409.4	406.7	409.4	409.4	409.4
17.5°	406.7	401.1	406.7	406.7	403.9
20°	398.4	395.6	401.1	401.1	401.1
22.5°	392.8	390.1	395.6	395.6	395.6
25°	387.3	381.8	390.1	390.1	390.1
27.5°	376.2	376.2	381.8	384.5	381.8
30°	367.9	365.2	373.5	376.2	373.5
32.5°	359.6	356.9	365.2	367.9	365.2
35°	348.6	348.6	354.1	356.9	356.9
37.5°	337.5	337.5	343.0	345.8	356.9
40°	326.4	326.4	332.0	348.6	359.6
42.5°	312.6	312.6	320.9	345.8	359.6
45°	298.8	301.5	307.1	345.8	359.6
47.5°	284.9	287.7	301.5	343.0	354.1
50°	268.3	273.9	296.0	334.7	343.0
52.5°	254.5	257.3	287.7	320.9	320.9
55°	237.9	240.7	282.2	298.8	298.8
57.5°	221.3	224.1	268.3	273.9	273.9
60°	204.7	207.5	251.7	251.7	251.7
62.5°	185.3	190.9	226.8	229.6	229.6
65°	168.7	177.0	201.9	204.7	204.7
67.5°	149.4	163.2	179.8	182.6	182.6
70°	132.8	149.4	154.9	157.7	157.7
72.5°	113.4	130.0	132.8	135.6	135.6
75°	94.1	110.7	110.7	113.4	113.4
77.5°	74.7	88.5	91.3	91.3	91.3
80°	58.1	66.4	71.9	69.2	69.2
82.5°	41.5	52.6	52.6	52.6	49.8
85°	27.7	44.3	38.7	36.0	33.2
87.5°	16.6	38.7	22.1	19.4	19.4
90°	5.5	16.6	13.8	2.8	2.8
92.5°	11.1	27.7	13.8	11.1	8.3
95°	22.1	110.7	132.8	27.7	27.7
97.5°	41.5	185.3	284.9	337.5	362.4
100°	63.6	276.6	381.8	467.5	497.9
102.5°	91.3	334.7	470.3	578.2	622.4
105°	121.7	392.8	594.8	686.1	741.4
107.5°	152.1	437.1	691.6	793.9	832.7
110°	188.1	473.0	752.4	929.5	940.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	221.3	500.7	785.6	995.9	1056.7
115°	251.7	531.1	835.4	1034.6	1098.2
117.5°	287.7	553.3	865.9	1056.7	1125.9
120°	320.9	572.6	888.0	1084.4	1134.2
122.5°	351.3	594.8	904.6	1106.5	1161.9
125°	379.0	614.1	915.7	1114.8	1170.2
127.5°	406.7	630.7	918.4	1117.6	1175.7
130°	437.1	647.3	924.0	1114.8	1172.9
132.5°	467.5	663.9	921.2	1106.5	1159.1
135°	489.6	675.0	915.7	1095.5	1142.5
137.5°	511.8	683.3	910.1	1078.9	1123.1
140°	531.1	688.8	901.8	1059.5	1101.0
142.5°	553.3	691.6	896.3	1040.1	1076.1
145°	572.6	691.6	888.0	1018.0	1051.2
147.5°	592.0	688.8	876.9	995.9	1023.5
150°	605.8	683.3	865.9	973.8	995.9
152.5°	616.9	677.8	852.0	948.9	971.0
155°	630.7	675.0	835.4	926.7	943.3
157.5°	641.8	675.0	816.1	901.8	918.4
160°	652.9	675.0	793.9	876.9	890.8
162.5°	666.7	675.0	763.5	841.0	854.8
165°	680.5	677.8	741.4	805.0	816.1
167.5°	688.8	677.8	719.2	760.7	771.8
170°	694.4	683.3	699.9	730.3	733.1
172.5°	697.1	688.8	686.1	699.9	699.9
175°	697.1	688.8	686.1	686.1	680.5
177.5°	697.1	691.6	691.6	688.8	680.5
180°	691.6	691.6	691.6	691.6	691.6

(END OF REPORT)