

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: P275089

Luminaire Tested: **J3-FL-30L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275089
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-FL-30L82765-1D-UNV-W2A-W-4 (3500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2820.9 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

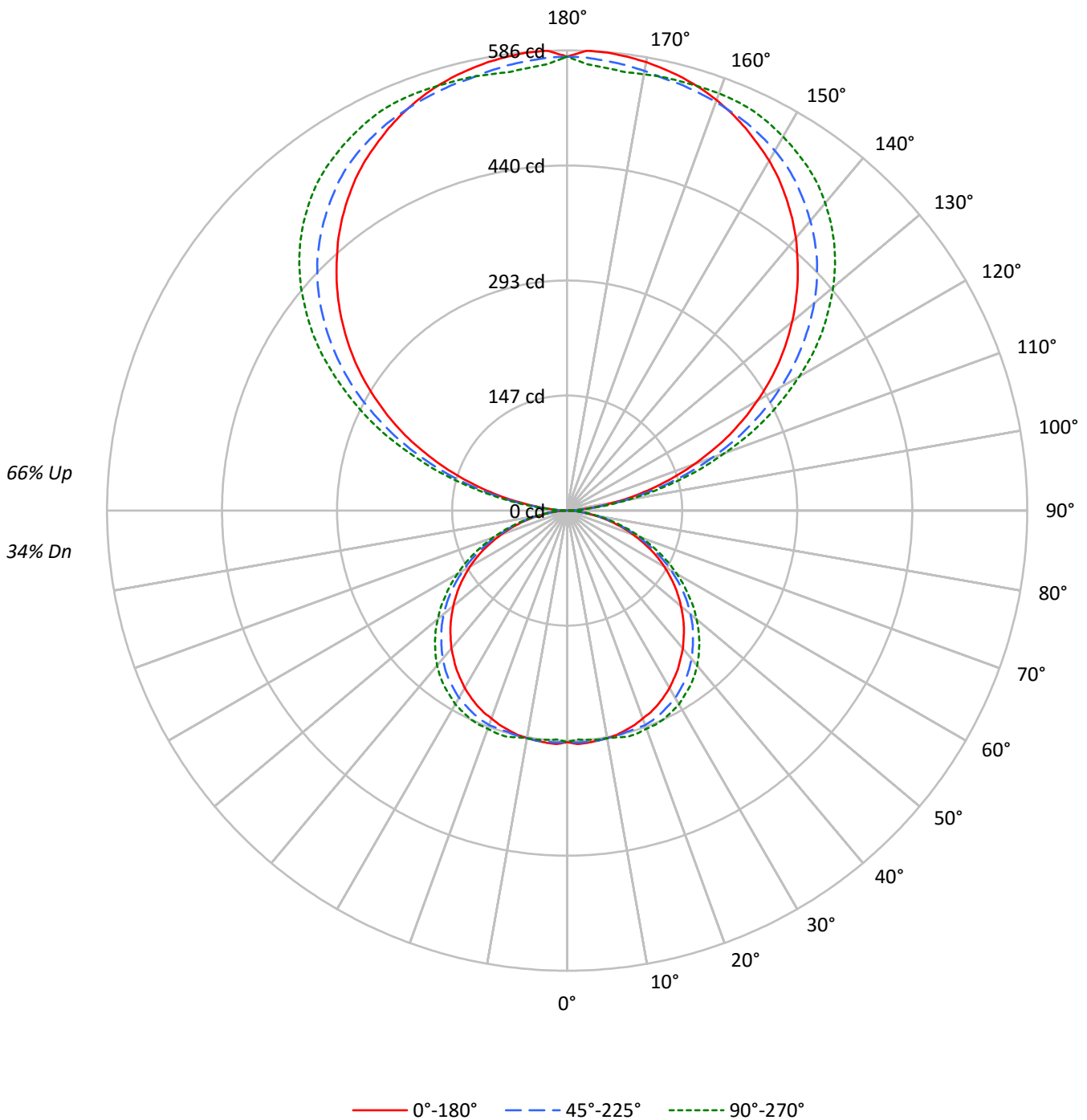
Input Watts (W): 20.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	94	90	86	82	85	81	78	75	65	62	60	50	48	47	36	35	34	28
2	85	78	72	67	77	71	65	61	56	53	50	43	41	39	31	30	29	23
3	78	68	61	55	70	62	56	51	50	45	41	38	35	33	28	26	24	19
4	71	60	52	47	64	55	48	43	44	39	35	34	30	28	25	22	21	16
5	65	53	45	40	58	48	42	36	39	34	30	30	27	24	22	20	18	14
6	60	48	40	34	53	43	36	31	35	30	26	27	23	21	20	17	15	12
7	55	43	35	30	49	39	32	27	32	26	23	25	21	18	18	16	14	11
8	51	39	31	26	46	35	29	24	29	24	20	22	19	16	16	14	12	10
9	47	35	28	23	43	32	26	21	26	21	18	20	17	14	15	13	11	9
10	44	32	25	20	40	29	23	19	24	19	16	19	15	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2381	2381	2381
5°	2406	2395	2374
10°	2413	2413	2413
15°	2417	2439	2492
20°	2420	2497	2540
25°	2431	2532	2605
30°	2431	2567	2656
35°	2426	2588	2689
40°	2415	2595	2715
45°	2400	2587	2717
50°	2376	2576	2703
55°	2352	2540	2663
60°	2309	2474	2606
65°	2237	2380	2516
70°	2108	2242	2360
75°	1934	2056	2152
80°	1678	1795	1860
85°	1343	1399	1473



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.1	1.0
10°-20°	82.8	2.9
20°-30°	130.3	4.6
30°-40°	162.9	5.8
40°-50°	173.6	6.2
50°-60°	160.1	5.7
60°-70°	122.9	4.4
70°-80°	69.7	2.5
80°-90°	18.4	0.7
90°-100°	29.6	1.0
100°-110°	139.2	4.9
110°-120°	252.2	8.9
120°-130°	324.0	11.5
130°-140°	344.7	12.2
140°-150°	317.2	11.2
150°-160°	251.1	8.9
160°-170°	159.4	5.7
170°-180°	54.7	1.9
0°-30°	241.2	8.6
0°-40°	404.1	14.3
0°-60°	737.8	26.2
0°-90°	948.7	33.6
90°-120°	421.0	14.9
90°-150°	1406.8	49.9
90°-180°	1872.0	66.4
0°-180°	2820.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	295	295	295	295	295	
5°	297	294	296	295	293	28
15°	289	288	292	297	298	82
25°	273	273	284	290	292	126
35°	246	251	263	269	273	154
45°	210	216	227	234	238	162
55°	167	172	180	186	189	149
65°	117	120	125	129	132	116
75°	62	63	66	68	69	66
85°	14	15	15	16	16	16
90°	1	1	1	0	0	2
95°	20	20	22	23	25	25
105°	116	122	133	141	145	123
115°	228	237	258	273	281	225
125°	329	339	365	386	396	294
135°	415	422	450	470	481	320
145°	486	484	509	525	534	304
155°	537	530	544	555	562	248
165°	570	562	562	563	565	161
175°	586	579	575	570	566	56
180°	578	578	578	578	578	



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CATALOG NUMBER: J3-FL-30L82765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	294.9	294.9	294.9	294.9	294.9
2.5°	297.5	294.9	295.6	295.6	291.8
5°	296.9	294.3	295.6	294.9	293.0
7.5°	295.6	293.7	295.6	295.6	294.3
10°	294.3	292.5	294.3	294.9	294.3
12.5°	292.5	290.6	293.7	294.9	295.6
15°	289.2	288.0	291.8	296.9	298.2
17.5°	286.2	285.5	291.2	296.9	297.5
20°	281.7	281.7	290.6	294.9	295.6
22.5°	277.9	277.9	288.0	292.5	294.9
25°	272.9	273.4	284.3	290.0	292.5
27.5°	267.1	269.1	279.8	286.2	288.6
30°	260.8	264.0	275.4	281.7	284.9
32.5°	253.3	257.6	269.1	275.4	278.5
35°	246.2	250.7	262.6	269.1	272.9
37.5°	237.4	243.1	255.1	261.4	265.9
40°	229.2	234.9	246.2	253.3	257.6
42.5°	219.6	225.9	236.7	243.7	248.1
45°	210.2	215.8	226.6	233.6	238.0
47.5°	200.0	205.8	216.6	222.9	227.2
50°	189.2	195.5	205.1	211.4	215.2
52.5°	178.4	184.2	193.1	199.5	203.2
55°	167.1	172.1	180.5	186.2	189.2
57.5°	155.0	160.1	167.1	172.8	176.0
60°	143.0	146.8	153.2	158.8	161.4
62.5°	130.4	133.6	139.3	143.8	146.8
65°	117.1	119.7	124.6	129.1	131.7
67.5°	103.2	105.7	110.1	113.9	115.8
70°	89.3	91.7	95.0	98.1	100.0
72.5°	75.9	77.2	80.4	83.0	84.2
75°	62.0	63.3	65.9	68.3	69.0
77.5°	49.4	50.0	52.0	53.2	53.8
80°	36.1	37.4	38.6	39.2	40.0
82.5°	24.7	25.3	25.9	26.6	27.1
85°	14.5	15.1	15.1	15.9	15.9
87.5°	6.3	7.0	7.0	7.0	7.0
90°	0.7	0.7	0.7	0.0	0.0
92.5°	6.3	6.3	7.0	7.5	8.2
95°	19.6	20.3	22.2	23.4	24.7
97.5°	39.2	40.5	44.2	47.5	48.7
100°	63.3	65.9	71.6	75.9	77.9
102.5°	89.3	93.0	101.3	107.6	110.8
105°	116.5	121.6	133.0	141.2	145.0
107.5°	144.3	150.7	165.3	174.7	179.8
110°	172.1	180.5	196.2	208.8	212.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	200.0	208.8	227.9	241.8	248.8
115°	227.9	237.4	257.6	273.4	281.1
117.5°	254.5	264.6	286.7	304.5	311.4
120°	279.8	290.6	314.6	333.0	341.2
122.5°	305.1	315.3	340.5	360.1	370.4
125°	329.2	339.3	365.3	385.5	396.3
127.5°	352.0	361.4	388.7	409.6	419.7
130°	374.1	383.0	410.8	431.2	442.5
132.5°	395.0	403.2	431.2	450.8	462.8
135°	415.3	421.6	450.1	469.7	481.1
137.5°	434.2	438.7	466.6	486.2	497.0
140°	453.2	454.6	481.7	500.1	511.4
142.5°	470.3	469.7	495.7	513.3	524.2
145°	486.2	484.3	509.0	524.7	534.3
147.5°	501.3	497.0	520.3	533.7	542.5
150°	514.6	509.0	529.2	542.5	550.0
152.5°	526.0	519.6	536.8	548.8	556.3
155°	537.4	529.9	543.7	555.1	561.5
157.5°	547.6	538.0	548.8	558.9	564.1
160°	556.3	547.0	553.9	561.5	565.4
162.5°	564.1	554.5	557.7	562.1	565.4
165°	570.4	561.5	561.5	563.3	565.4
167.5°	575.4	567.8	564.1	564.7	565.4
170°	579.9	572.2	568.4	564.7	564.1
172.5°	583.0	575.4	572.2	567.2	563.3
175°	585.5	578.6	574.7	570.4	565.9
177.5°	586.2	580.4	577.3	572.9	569.1
180°	578.0	578.0	578.0	578.0	578.0

(END OF REPORT)