

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: P275104

Luminaire Tested: **J3-FL-40L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275104
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-40L82765-1D-UNV-W2A-W-4 (3000K)
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 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3630.7 lumens
Efficiency: N/A
Efficacy: 131.1 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

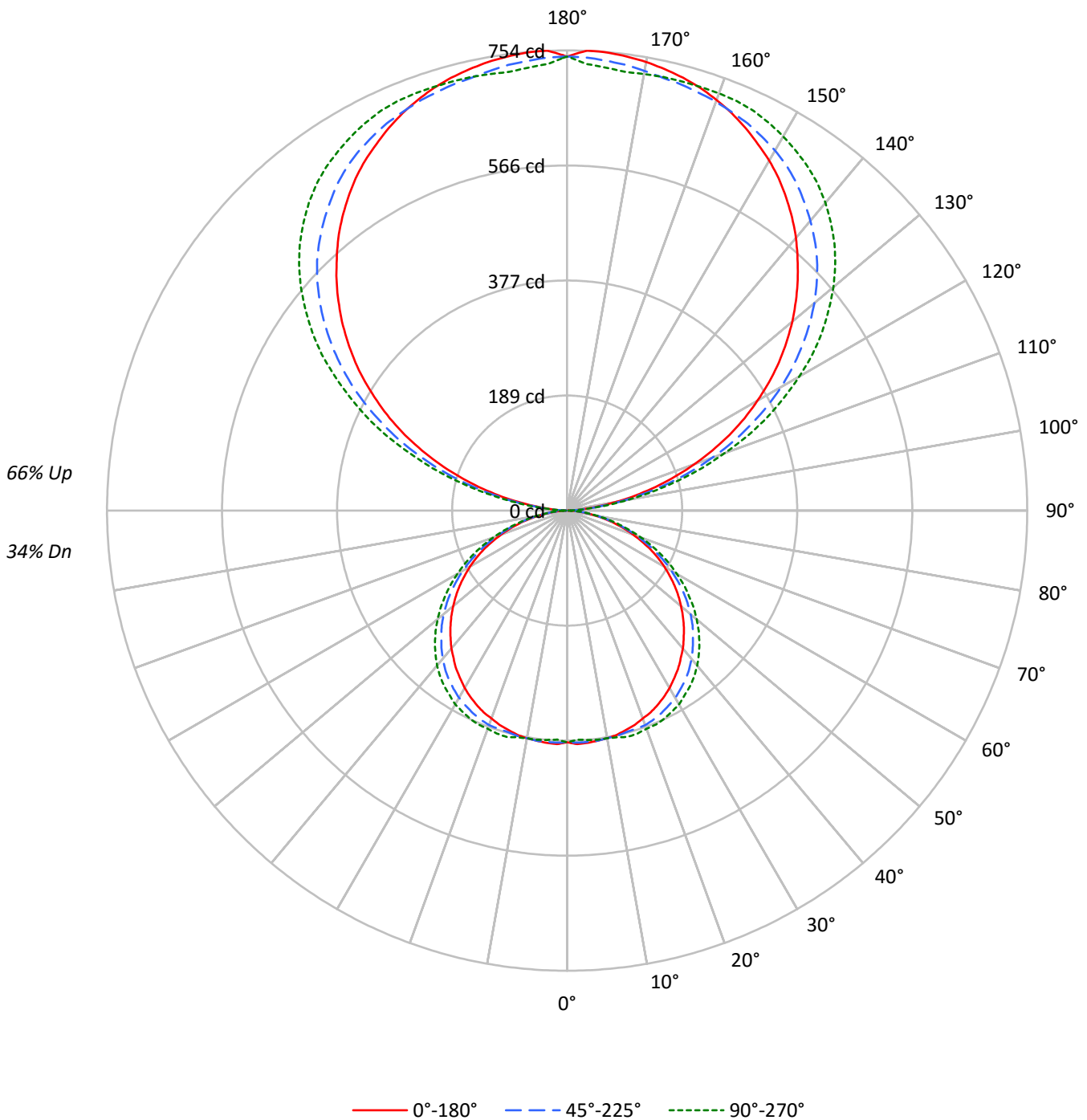
Input Watts (W): 27.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3064	3064	3064
5°	3096	3083	3057
10°	3105	3105	3105
15°	3111	3139	3208
20°	3114	3213	3269
25°	3128	3259	3353
30°	3129	3304	3418
35°	3123	3331	3461
40°	3109	3340	3494
45°	3088	3330	3497
50°	3059	3316	3479
55°	3026	3270	3429
60°	2971	3184	3355
65°	2879	3064	3238
70°	2712	2887	3038
75°	2489	2645	2770
80°	2162	2311	2390
85°	1732	1797	1890



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.2	1.0
10°-20°	106.5	2.9
20°-30°	167.8	4.6
30°-40°	209.6	5.8
40°-50°	223.4	6.2
50°-60°	206.0	5.7
60°-70°	158.2	4.4
70°-80°	89.7	2.5
80°-90°	23.6	0.7
90°-100°	38.1	1.0
100°-110°	179.1	4.9
110°-120°	324.7	8.9
120°-130°	417.0	11.5
130°-140°	443.6	12.2
140°-150°	408.2	11.2
150°-160°	323.3	8.9
160°-170°	205.2	5.7
170°-180°	70.4	1.9
0°-30°	310.5	8.6
0°-40°	520.1	14.3
0°-60°	949.6	26.2
0°-90°	1221.1	33.6
90°-120°	541.9	14.9
90°-150°	1810.7	49.9
90°-180°	2410.0	66.4
0°-180°	3630.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	380	380	380	380	380	
5°	382	379	380	380	377	36
15°	372	371	376	382	384	105
25°	351	352	366	373	376	162
35°	317	323	338	346	351	198
45°	270	278	292	301	306	209
55°	215	222	232	240	244	192
65°	151	154	160	166	170	149
75°	80	81	85	88	89	85
85°	19	19	19	20	20	21
90°	1	1	1	0	0	2
95°	25	26	28	30	32	33
105°	150	156	171	182	187	159
115°	293	306	332	352	362	289
125°	424	437	470	496	510	378
135°	534	543	579	604	619	412
145°	626	623	655	675	688	392
155°	692	682	700	714	723	319
165°	734	723	723	725	728	207
175°	754	745	740	734	728	72
180°	744	744	744	744	744	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	379.6	379.6	379.6	379.6	379.6
2.5°	383.0	379.6	380.5	380.5	375.6
5°	382.1	378.8	380.5	379.6	377.2
7.5°	380.5	378.0	380.5	380.5	378.8
10°	378.8	376.4	378.8	379.6	378.8
12.5°	376.4	374.0	378.0	379.6	380.5
15°	372.2	370.6	375.6	382.1	383.8
17.5°	368.3	367.5	374.8	382.1	383.0
20°	362.5	362.5	374.0	379.6	380.5
22.5°	357.7	357.7	370.6	376.4	379.6
25°	351.2	352.0	365.9	373.3	376.4
27.5°	343.8	346.3	360.1	368.3	371.5
30°	335.7	339.8	354.4	362.5	366.7
32.5°	326.0	331.5	346.3	354.4	358.5
35°	316.9	322.7	338.0	346.3	351.2
37.5°	305.6	312.8	328.3	336.4	342.2
40°	295.0	302.4	316.9	326.0	331.5
42.5°	282.7	290.8	304.7	313.7	319.4
45°	270.5	277.8	291.7	300.7	306.3
47.5°	257.5	264.9	278.8	286.9	292.4
50°	243.6	251.7	264.0	272.1	277.0
52.5°	229.7	237.1	248.5	256.8	261.5
55°	215.0	221.5	232.3	239.7	243.6
57.5°	199.5	206.0	215.0	222.4	226.5
60°	184.0	188.9	197.2	204.4	207.8
62.5°	167.8	172.0	179.2	185.0	188.9
65°	150.7	154.0	160.4	166.2	169.5
67.5°	132.9	136.1	141.7	146.6	149.1
70°	114.9	118.1	122.3	126.2	128.7
72.5°	97.7	99.4	103.5	106.8	108.4
75°	79.8	81.4	84.8	88.0	88.8
77.5°	63.6	64.3	66.9	68.5	69.3
80°	46.5	48.1	49.7	50.4	51.4
82.5°	31.7	32.6	33.3	34.2	34.9
85°	18.7	19.4	19.4	20.4	20.4
87.5°	8.1	9.0	9.0	9.0	9.0
90°	0.9	0.9	0.9	0.0	0.0
92.5°	8.1	8.1	9.0	9.7	10.6
95°	25.2	26.1	28.5	30.1	31.7
97.5°	50.4	52.2	56.9	61.1	62.7
100°	81.4	84.8	92.2	97.7	100.3
102.5°	114.9	119.7	130.4	138.5	142.6
105°	150.0	156.5	171.1	181.7	186.6
107.5°	185.8	194.0	212.7	224.9	231.4
110°	221.5	232.3	252.6	268.8	273.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	257.5	268.8	293.3	311.2	320.2
115°	293.3	305.6	331.5	352.0	361.8
117.5°	327.6	340.5	369.1	391.9	400.8
120°	360.1	374.0	405.0	428.6	439.2
122.5°	392.7	405.9	438.3	463.5	476.7
125°	423.7	436.7	470.2	496.1	510.0
127.5°	453.1	465.1	500.3	527.1	540.2
130°	481.5	492.9	528.7	555.0	569.6
132.5°	508.4	519.0	555.0	580.2	595.7
135°	534.5	542.6	579.3	604.5	619.3
137.5°	558.9	564.7	600.6	625.8	639.7
140°	583.4	585.1	620.0	643.6	658.3
142.5°	605.4	604.5	638.0	660.7	674.6
145°	625.8	623.3	655.1	675.4	687.7
147.5°	645.2	639.7	669.7	687.0	698.3
150°	662.3	655.1	681.2	698.3	708.0
152.5°	677.0	668.8	690.9	706.4	716.1
155°	691.7	682.0	699.8	714.5	722.7
157.5°	704.8	692.5	706.4	719.4	726.1
160°	716.1	704.1	712.9	722.7	727.7
162.5°	726.1	713.8	717.8	723.5	727.7
165°	734.2	722.7	722.7	725.1	727.7
167.5°	740.6	730.9	726.1	726.8	727.7
170°	746.4	736.5	731.6	726.8	726.1
172.5°	750.4	740.6	736.5	730.0	725.1
175°	753.6	744.8	739.7	734.2	728.4
177.5°	754.5	747.1	743.0	737.4	732.5
180°	743.9	743.9	743.9	743.9	743.9

(END OF REPORT)