

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: P275029

Luminaire Tested: **J3-CL-50L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P275029
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-CL-50L82765-1D-UNV-W2A-W-4 (5700K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5005.3 lumens
Efficiency: N/A
Efficacy: 137.1 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

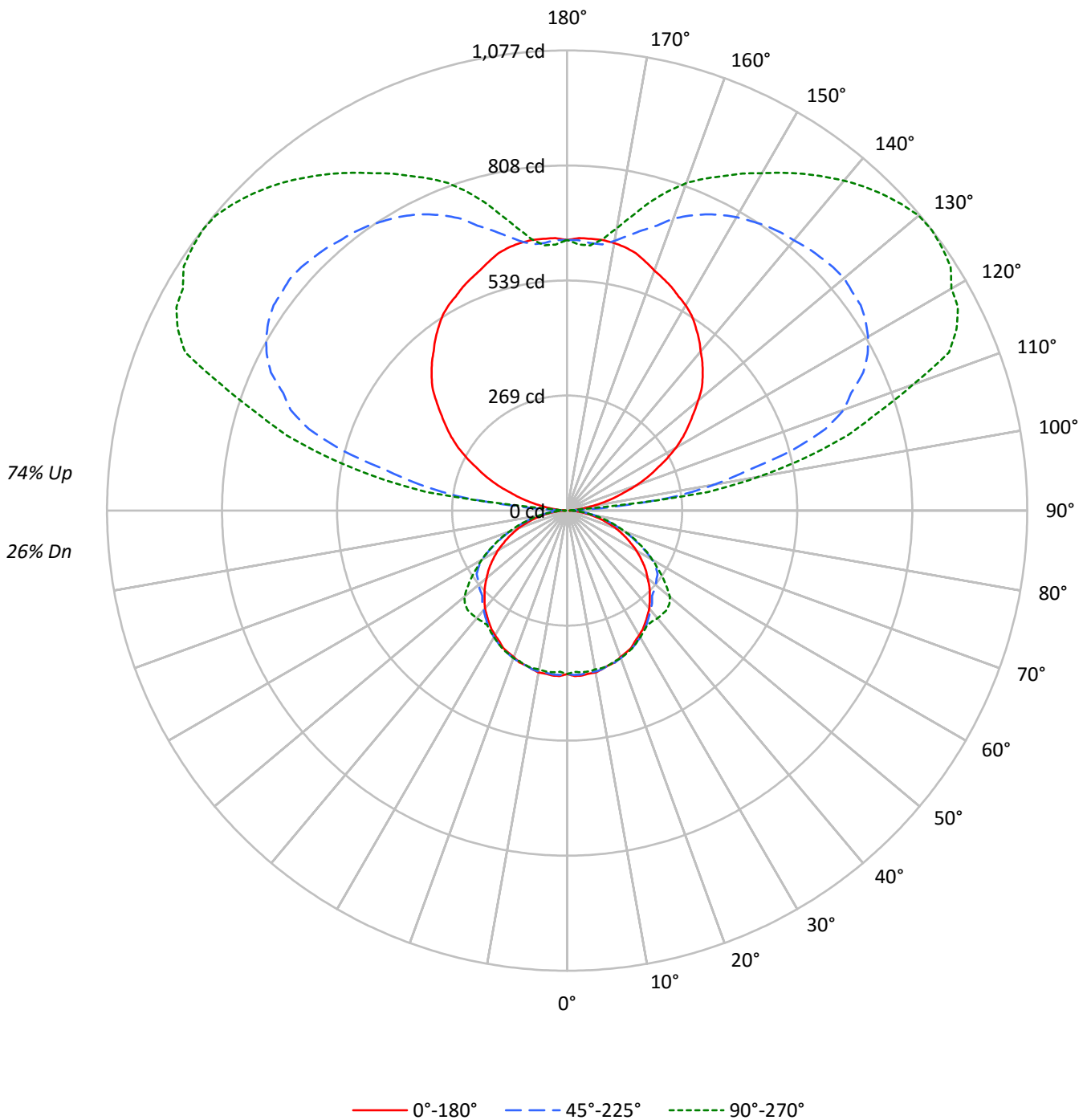
Input Watts (W): 36.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3088	3088	3088
5°	3141	3120	3079
10°	3156	3136	3094
15°	3133	3133	3133
20°	3134	3155	3155
25°	3159	3182	3182
30°	3141	3188	3188
35°	3146	3196	3221
40°	3150	3204	3470
45°	3124	3210	3760
50°	3086	3405	3945
55°	3067	3637	3851
60°	3027	3722	3722
65°	2951	3532	3582
70°	2870	3349	3408
75°	2686	3160	3241
80°	2473	3064	2943
85°	2343	3288	2816



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.5	0.7
10°-20°	105.9	2.1
20°-30°	163.6	3.3
30°-40°	203.0	4.1
40°-50°	227.1	4.5
50°-60°	221.9	4.4
60°-70°	175.1	3.5
70°-80°	105.9	2.1
80°-90°	37.7	0.8
90°-100°	130.0	2.6
100°-110°	502.8	10.0
110°-120°	691.0	13.8
120°-130°	699.0	14.0
130°-140°	619.5	12.4
140°-150°	490.0	9.8
150°-160°	342.1	6.8
160°-170°	193.6	3.9
170°-180°	60.7	1.2
0°-30°	305.9	6.1
0°-40°	508.9	10.2
0°-60°	957.9	19.1
0°-90°	1276.6	25.5
90°-120°	1323.7	26.4
90°-150°	3132.2	62.6
90°-180°	3729.0	74.5
0°-180°	5005.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	382	382	382	382	382	
5°	388	382	385	382	380	37
15°	375	372	375	375	375	106
25°	355	350	357	357	357	163
35°	319	319	324	327	327	200
45°	274	276	281	317	329	211
55°	218	220	258	274	274	195
65°	154	162	185	188	188	152
75°	86	101	101	104	104	91
85°	25	40	36	33	30	27
90°	5	15	13	2	2	5
95°	20	101	122	25	25	25
105°	112	360	545	628	679	118
115°	230	486	765	947	1006	230
125°	347	562	838	1021	1072	310
135°	448	618	838	1003	1046	345
145°	524	633	813	932	963	328
155°	578	618	765	849	864	266
165°	623	621	679	737	747	175
175°	638	631	628	628	623	61
180°	633	633	633	633	633	



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CATALOG NUMBER: J3-CL-50L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	382.5	382.5	382.5	382.5	382.5
2.5°	387.6	382.5	385.0	382.5	377.4
5°	387.6	382.5	385.0	382.5	380.0
7.5°	385.0	382.5	382.5	380.0	380.0
10°	385.0	380.0	382.5	380.0	377.4
12.5°	380.0	377.4	380.0	377.4	377.4
15°	374.9	372.4	374.9	374.9	374.9
17.5°	372.4	367.3	372.4	372.4	369.8
20°	364.8	362.2	367.3	367.3	367.3
22.5°	359.7	357.2	362.2	362.2	362.2
25°	354.6	349.6	357.2	357.2	357.2
27.5°	344.5	344.5	349.6	352.1	349.6
30°	336.9	334.4	342.0	344.5	342.0
32.5°	329.3	326.8	334.4	336.9	334.4
35°	319.2	319.2	324.3	326.8	326.8
37.5°	309.1	309.1	314.1	316.7	326.8
40°	298.9	298.9	304.0	319.2	329.3
42.5°	286.3	286.3	293.9	316.7	329.3
45°	273.6	276.1	281.2	316.7	329.3
47.5°	260.9	263.5	276.1	314.1	324.3
50°	245.7	250.8	271.1	306.5	314.1
52.5°	233.1	235.6	263.5	293.9	293.9
55°	217.9	220.4	258.4	273.6	273.6
57.5°	202.7	205.2	245.7	250.8	250.8
60°	187.5	190.0	230.5	230.5	230.5
62.5°	169.7	174.8	207.7	210.3	210.3
65°	154.5	162.1	184.9	187.5	187.5
67.5°	136.8	149.5	164.7	167.2	167.2
70°	121.6	136.8	141.9	144.4	144.4
72.5°	103.9	119.1	121.6	124.1	124.1
75°	86.1	101.3	101.3	103.9	103.9
77.5°	68.4	81.1	83.6	83.6	83.6
80°	53.2	60.8	65.9	63.3	63.3
82.5°	38.0	48.1	48.1	48.1	45.6
85°	25.3	40.5	35.5	32.9	30.4
87.5°	15.2	35.5	20.3	17.7	17.7
90°	5.1	15.2	12.7	2.5	2.5
92.5°	10.1	25.3	12.7	10.1	7.6
95°	20.3	101.3	121.6	25.3	25.3
97.5°	38.0	169.7	260.9	309.1	331.9
100°	58.3	253.3	349.6	428.1	456.0
102.5°	83.6	306.5	430.6	529.4	570.0
105°	111.5	359.7	544.6	628.2	678.9
107.5°	139.3	400.2	633.3	727.0	762.5
110°	172.3	433.2	689.0	851.2	861.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	202.7	458.5	719.4	912.0	967.7
115°	230.5	486.4	765.0	947.4	1005.7
117.5°	263.5	506.6	792.9	967.7	1031.0
120°	293.9	524.4	813.2	993.0	1038.6
122.5°	321.7	544.6	828.4	1013.3	1063.9
125°	347.0	562.4	838.5	1020.9	1071.5
127.5°	372.4	577.6	841.0	1023.4	1076.6
130°	400.2	592.8	846.1	1020.9	1074.1
132.5°	428.1	608.0	843.6	1013.3	1061.4
135°	448.4	618.1	838.5	1003.2	1046.2
137.5°	468.6	625.7	833.4	988.0	1028.5
140°	486.4	630.8	825.8	970.2	1008.2
142.5°	506.6	633.3	820.8	952.5	985.4
145°	524.4	633.3	813.2	932.2	962.6
147.5°	542.1	630.8	803.0	912.0	937.3
150°	554.8	625.7	792.9	891.7	912.0
152.5°	564.9	620.6	780.2	868.9	889.2
155°	577.6	618.1	765.0	848.6	863.8
157.5°	587.7	618.1	747.3	825.8	841.0
160°	597.8	618.1	727.0	803.0	815.7
162.5°	610.5	618.1	699.2	770.1	782.8
165°	623.2	620.6	678.9	737.2	747.3
167.5°	630.8	620.6	658.6	696.6	706.8
170°	635.8	625.7	640.9	668.8	671.3
172.5°	638.4	630.8	628.2	640.9	640.9
175°	638.4	630.8	628.2	628.2	623.2
177.5°	638.4	633.3	633.3	630.8	623.2
180°	633.3	633.3	633.3	633.3	633.3

(END OF REPORT)