

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: P275147

Luminaire Tested: **J3-FL-60L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275147
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-60L92765-1D-UNV-W2A-W-4 (4500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5241.3 lumens
Efficiency: N/A
Efficacy: 116.7 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

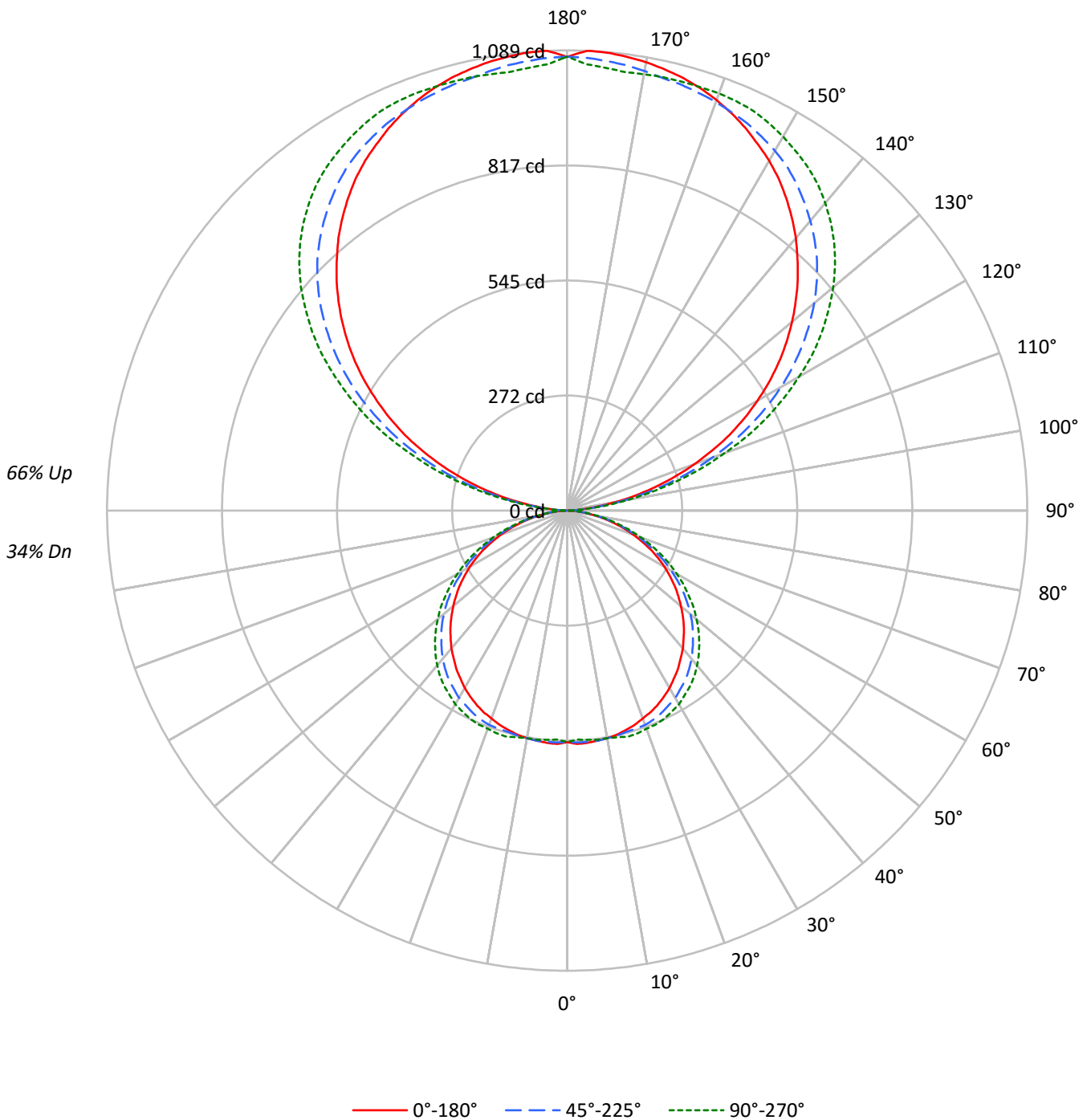
Input Watts (W): 44.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	4424	4424	4424
5°	4470	4451	4413
10°	4482	4482	4482
15°	4491	4532	4631
20°	4497	4638	4719
25°	4516	4705	4840
30°	4518	4769	4935
35°	4509	4809	4997
40°	4488	4821	5044
45°	4458	4808	5049
50°	4416	4786	5022
55°	4369	4719	4949
60°	4288	4597	4844
65°	4155	4424	4674
70°	3916	4166	4383
75°	3596	3818	3999
80°	3119	3333	3454
85°	2501	2594	2732



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	1.0
10°-20°	153.8	2.9
20°-30°	242.2	4.6
30°-40°	302.6	5.8
40°-50°	322.5	6.2
50°-60°	297.4	5.7
60°-70°	228.4	4.4
70°-80°	129.4	2.5
80°-90°	34.1	0.7
90°-100°	55.0	1.0
100°-110°	258.6	4.9
110°-120°	468.7	8.9
120°-130°	602.0	11.5
130°-140°	640.4	12.2
140°-150°	589.3	11.2
150°-160°	466.6	8.9
160°-170°	296.3	5.7
170°-180°	101.6	1.9
0°-30°	448.2	8.6
0°-40°	750.8	14.3
0°-60°	1370.8	26.2
0°-90°	1762.8	33.6
90°-120°	782.2	14.9
90°-150°	2614.0	49.9
90°-180°	3479.0	66.4
0°-180°	5241.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	548	548	548	548	548	
5°	552	547	549	548	544	52
15°	537	535	542	552	554	152
25°	507	508	528	539	543	234
35°	458	466	488	500	507	286
45°	390	401	421	434	442	301
55°	310	320	335	346	352	277
65°	218	222	232	240	245	215
75°	115	118	122	127	128	122
85°	27	28	28	30	30	31
90°	1	1	1	0	0	4
95°	36	38	41	44	46	47
105°	216	226	247	262	269	229
115°	423	441	479	508	522	418
125°	612	630	679	716	736	546
135°	772	783	836	873	894	595
145°	903	900	946	975	993	565
155°	999	985	1010	1031	1043	460
165°	1060	1043	1043	1047	1050	299
175°	1088	1075	1068	1060	1052	103
180°	1074	1074	1074	1074	1074	



TEST NUMBER: P275147

CATALOG NUMBER: J3-FL-60L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	548.0	548.0	548.0	548.0	548.0
2.5°	552.8	548.0	549.3	549.3	542.2
5°	551.6	546.8	549.3	548.0	544.5
7.5°	549.3	545.7	549.3	549.3	546.8
10°	546.8	543.4	546.8	548.0	546.8
12.5°	543.4	539.9	545.7	548.0	549.3
15°	537.4	535.1	542.2	551.6	554.1
17.5°	531.7	530.5	541.1	551.6	552.8
20°	523.4	523.4	539.9	548.0	549.3
22.5°	516.4	516.4	535.1	543.4	548.0
25°	507.0	508.1	528.2	538.8	543.4
27.5°	496.4	499.9	519.8	531.7	536.3
30°	484.7	490.5	511.6	523.4	529.4
32.5°	470.6	478.6	499.9	511.6	517.5
35°	457.5	465.8	488.0	499.9	507.0
37.5°	441.1	451.6	474.0	485.7	494.1
40°	425.9	436.5	457.5	470.6	478.6
42.5°	408.1	419.8	439.9	452.9	461.0
45°	390.5	401.0	421.1	434.0	442.2
47.5°	371.7	382.4	402.4	414.2	422.1
50°	351.6	363.3	381.1	392.8	399.9
52.5°	331.5	342.2	358.7	370.7	377.6
55°	310.4	319.8	335.3	346.0	351.6
57.5°	288.0	297.4	310.4	321.1	326.9
60°	265.6	272.8	284.7	295.1	300.0
62.5°	242.2	248.3	258.7	267.1	272.8
65°	217.5	222.4	231.6	239.9	244.7
67.5°	191.8	196.4	204.6	211.7	215.2
70°	165.9	170.5	176.5	182.2	185.7
72.5°	141.0	143.5	149.3	154.2	156.5
75°	115.3	117.6	122.4	127.0	128.2
77.5°	91.8	92.9	96.6	98.9	100.0
80°	67.1	69.4	71.7	72.8	74.3
82.5°	45.8	47.1	48.1	49.4	50.4
85°	27.0	28.0	28.0	29.5	29.5
87.5°	11.7	13.0	13.0	13.0	13.0
90°	1.3	1.3	1.3	0.0	0.0
92.5°	11.7	11.7	13.0	14.0	15.3
95°	36.4	37.7	41.2	43.5	45.8
97.5°	72.8	75.3	82.2	88.3	90.6
100°	117.6	122.4	133.0	141.0	144.7
102.5°	165.9	172.8	188.3	200.0	205.8
105°	216.5	225.9	247.0	262.3	269.4
107.5°	268.2	280.1	307.1	324.6	334.0
110°	319.8	335.3	364.6	388.0	395.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	371.7	388.0	423.4	449.3	462.3
115°	423.4	441.1	478.6	508.1	522.3
117.5°	472.9	491.6	532.8	565.8	578.6
120°	519.8	539.9	584.6	618.7	634.0
122.5°	566.9	585.9	632.7	669.1	688.2
125°	611.6	630.4	678.8	716.2	736.3
127.5°	654.1	671.4	722.3	761.0	779.8
130°	695.1	711.6	763.3	801.1	822.3
132.5°	734.0	749.3	801.1	837.5	859.9
135°	771.6	783.4	836.3	872.7	894.0
137.5°	806.8	815.1	867.0	903.4	923.5
140°	842.1	844.6	895.1	929.1	950.3
142.5°	873.9	872.7	921.0	953.8	973.9
145°	903.4	899.9	945.7	975.0	992.7
147.5°	931.4	923.5	966.8	991.7	1008.0
150°	956.1	945.7	983.3	1008.0	1022.0
152.5°	977.3	965.5	997.3	1019.7	1033.7
155°	998.6	984.6	1010.3	1031.4	1043.4
157.5°	1017.4	999.6	1019.7	1038.5	1048.2
160°	1033.7	1016.4	1029.1	1043.4	1050.5
162.5°	1048.2	1030.4	1036.2	1044.4	1050.5
165°	1059.9	1043.4	1043.4	1046.7	1050.5
167.5°	1069.1	1055.1	1048.2	1049.2	1050.5
170°	1077.4	1063.2	1056.1	1049.2	1048.2
172.5°	1083.3	1069.1	1063.2	1053.8	1046.7
175°	1087.9	1075.1	1067.8	1059.9	1051.5
177.5°	1089.2	1078.5	1072.6	1064.5	1057.4
180°	1073.9	1073.9	1073.9	1073.9	1073.9

(END OF REPORT)