

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: P275150

Luminaire Tested: **J3-FL-60L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275150
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 (6500K)
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 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

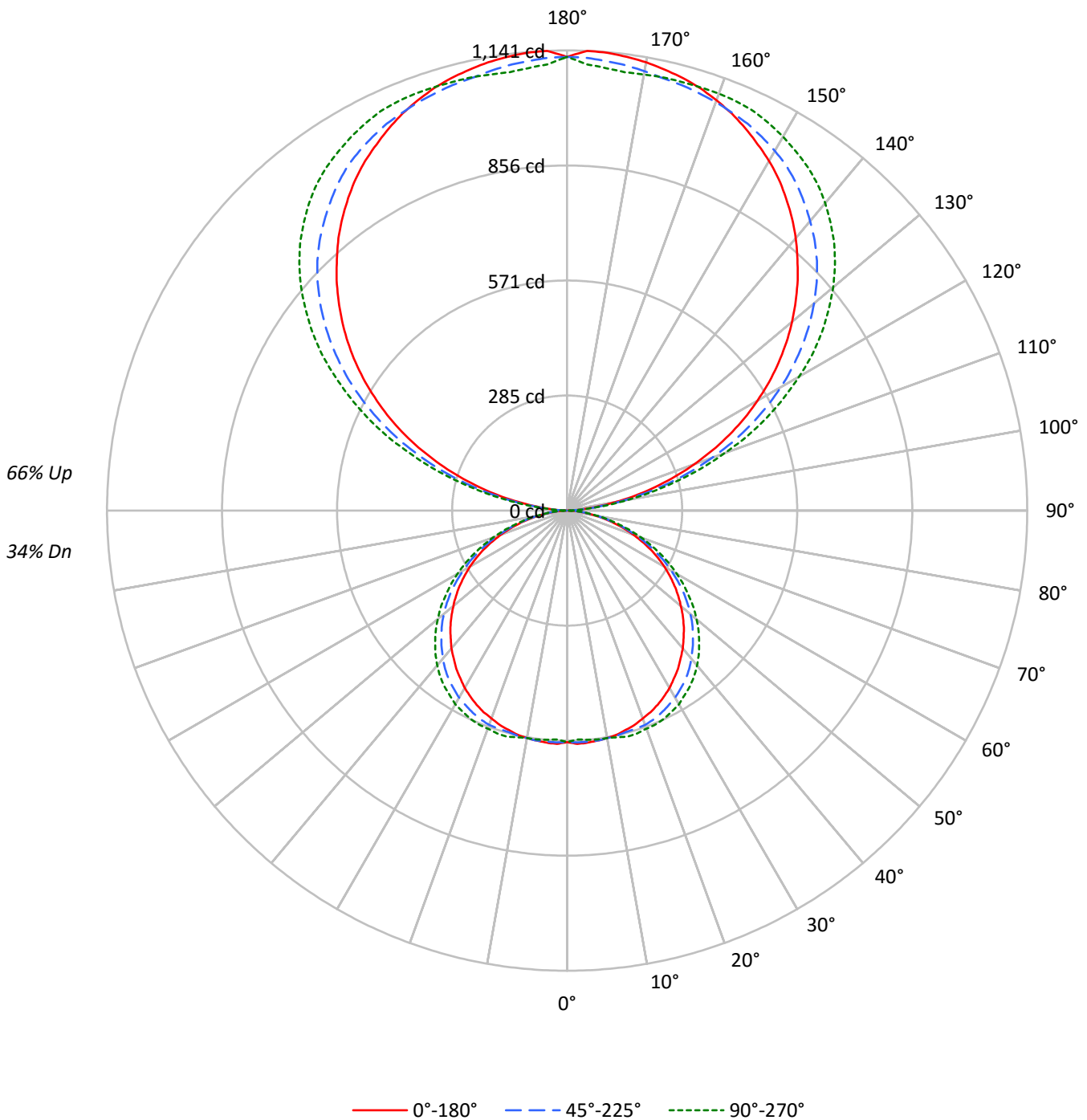
Lumens per Lamp: N/A
Luminaire Lumens: 5490.1 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 46.2
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°	4634	4634	4634
5°	4682	4663	4622
10°	4695	4695	4695
15°	4705	4746	4851
20°	4710	4858	4943
25°	4731	4928	5070
30°	4733	4996	5169
35°	4723	5038	5234
40°	4701	5050	5283
45°	4671	5035	5288
50°	4626	5014	5261
55°	4576	4943	5184
60°	4493	4815	5073
65°	4353	4632	4896
70°	4100	4364	4593
75°	3765	3999	4189
80°	3268	3496	3617
85°	2621	2723	2862



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	1.0
10°-20°	161.1	2.9
20°-30°	253.7	4.6
30°-40°	317.0	5.8
40°-50°	337.9	6.2
50°-60°	311.5	5.7
60°-70°	239.3	4.4
70°-80°	135.6	2.5
80°-90°	35.7	0.7
90°-100°	57.6	1.0
100°-110°	270.9	4.9
110°-120°	490.9	8.9
120°-130°	630.6	11.5
130°-140°	670.8	12.2
140°-150°	617.3	11.2
150°-160°	488.8	8.9
160°-170°	310.3	5.7
170°-180°	106.4	1.9
0°-30°	469.5	8.6
0°-40°	786.5	14.3
0°-60°	1435.9	26.2
0°-90°	1846.5	33.6
90°-120°	819.4	14.9
90°-150°	2738.1	49.9
90°-180°	3644.0	66.4
0°-180°	5490.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	574	574	574	574	574	
5°	578	573	575	574	570	55
15°	563	560	568	578	580	159
25°	531	532	553	564	569	245
35°	479	488	511	524	531	299
45°	409	420	441	455	463	315
55°	325	335	351	362	368	290
65°	228	233	242	251	256	225
75°	121	123	128	133	134	128
85°	28	29	29	31	31	32
90°	1	1	1	0	0	4
95°	38	39	43	46	48	49
105°	227	237	259	275	282	240
115°	444	462	501	532	547	437
125°	641	660	711	750	771	572
135°	808	820	876	914	936	623
145°	946	943	991	1021	1040	592
155°	1046	1031	1058	1080	1093	482
165°	1110	1093	1093	1096	1100	314
175°	1140	1126	1118	1110	1101	108
180°	1125	1125	1125	1125	1125	



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CATALOG NUMBER: J3-FL-60L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	574.0	574.0	574.0	574.0	574.0
2.5°	579.1	574.0	575.4	575.4	567.9
5°	577.8	572.7	575.4	574.0	570.3
7.5°	575.4	571.6	575.4	575.4	572.7
10°	572.7	569.2	572.7	574.0	572.7
12.5°	569.2	565.5	571.6	574.0	575.4
15°	562.9	560.5	567.9	577.8	580.4
17.5°	557.0	555.6	566.8	577.8	579.1
20°	548.2	548.2	565.5	574.0	575.4
22.5°	541.0	541.0	560.5	569.2	574.0
25°	531.1	532.2	553.2	564.4	569.2
27.5°	519.9	523.7	544.5	557.0	561.8
30°	507.7	513.8	535.9	548.2	554.5
32.5°	493.0	501.3	523.7	535.9	542.1
35°	479.2	487.9	511.2	523.7	531.1
37.5°	462.1	473.0	496.5	508.8	517.5
40°	446.1	457.3	479.2	493.0	501.3
42.5°	427.5	439.7	460.8	474.4	482.9
45°	409.1	420.0	441.0	454.6	463.2
47.5°	389.3	400.5	421.5	433.8	442.1
50°	368.3	380.6	399.2	411.5	418.9
52.5°	347.3	358.4	375.8	388.2	395.5
55°	325.1	335.0	351.2	362.4	368.3
57.5°	301.7	311.6	325.1	336.3	342.5
60°	278.3	285.7	298.2	309.2	314.2
62.5°	253.7	260.1	271.0	279.8	285.7
65°	227.9	232.9	242.5	251.3	256.3
67.5°	200.9	205.7	214.3	221.7	225.5
70°	173.7	178.6	184.9	190.8	194.6
72.5°	147.7	150.3	156.4	161.5	163.9
75°	120.7	123.1	128.2	133.0	134.3
77.5°	96.2	97.3	101.2	103.6	104.7
80°	70.3	72.7	75.2	76.2	77.8
82.5°	48.0	49.3	50.4	51.7	52.8
85°	28.3	29.4	29.4	30.9	30.9
87.5°	12.3	13.6	13.6	13.6	13.6
90°	1.3	1.3	1.3	0.0	0.0
92.5°	12.3	12.3	13.6	14.7	16.0
95°	38.1	39.4	43.2	45.6	48.0
97.5°	76.2	78.9	86.1	92.5	94.9
100°	123.1	128.2	139.3	147.7	151.6
102.5°	173.7	181.0	197.2	209.5	215.6
105°	226.8	236.6	258.8	274.8	282.2
107.5°	280.9	293.4	321.6	340.0	349.9
110°	335.0	351.2	381.9	406.4	413.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	389.3	406.4	443.5	470.6	484.2
115°	443.5	462.1	501.3	532.2	547.1
117.5°	495.4	514.9	558.0	592.7	606.0
120°	544.5	565.5	612.4	648.1	664.1
122.5°	593.8	613.7	662.8	700.9	720.8
125°	640.6	660.4	711.0	750.2	771.2
127.5°	685.1	703.3	756.6	797.1	816.8
130°	728.1	745.4	799.5	839.2	861.3
132.5°	768.8	784.8	839.2	877.3	900.7
135°	808.3	820.5	876.0	914.1	936.4
137.5°	845.1	853.8	908.2	946.3	967.3
140°	882.1	884.7	937.5	973.2	995.4
142.5°	915.4	914.1	964.7	999.1	1020.1
145°	946.3	942.6	990.6	1021.2	1039.9
147.5°	975.7	967.3	1012.7	1038.8	1055.8
150°	1001.5	990.6	1030.0	1055.8	1070.5
152.5°	1023.6	1011.4	1044.7	1068.1	1082.8
155°	1046.0	1031.3	1058.3	1080.4	1092.9
157.5°	1065.7	1047.1	1068.1	1087.8	1097.9
160°	1082.8	1064.6	1078.0	1092.9	1100.3
162.5°	1097.9	1079.3	1085.4	1094.0	1100.3
165°	1110.2	1092.9	1092.9	1096.4	1100.3
167.5°	1119.8	1105.1	1097.9	1099.0	1100.3
170°	1128.6	1113.7	1106.2	1099.0	1097.9
172.5°	1134.7	1119.8	1113.7	1103.8	1096.4
175°	1139.5	1126.2	1118.5	1110.2	1101.4
177.5°	1140.9	1129.7	1123.5	1115.0	1107.6
180°	1124.9	1124.9	1124.9	1124.9	1124.9

(END OF REPORT)