

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: P275002

Luminaire Tested: **J3-CL-30L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275002
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-CL-30L92765-1D-UNV-W2A-W-4 (4000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2547.6 lumens
Efficiency: N/A
Efficacy: 121.9 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

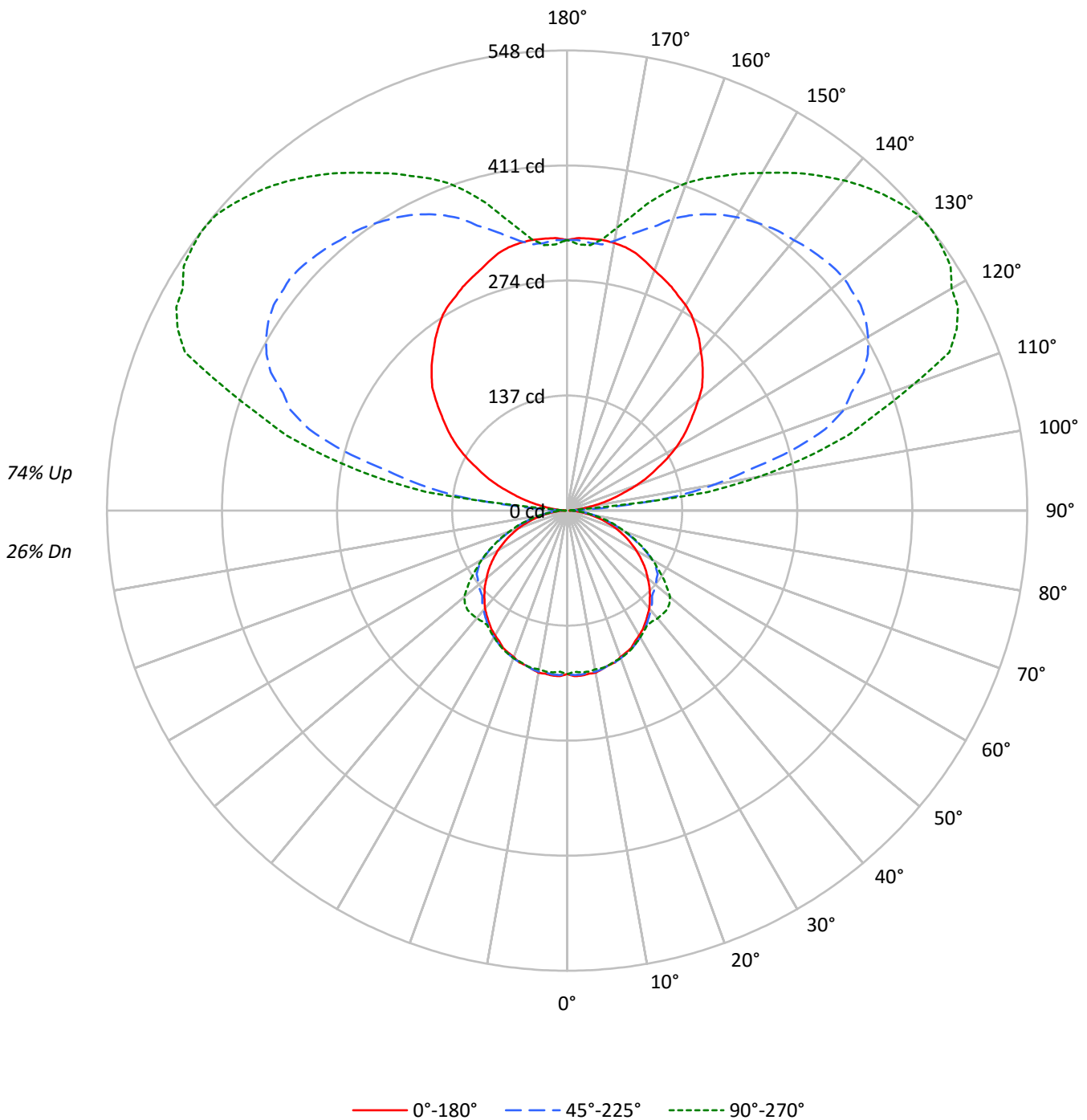
Input Watts (W): 20.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1572	1572	1572
5°	1599	1588	1567
10°	1607	1596	1575
15°	1595	1595	1595
20°	1595	1607	1607
25°	1608	1619	1619
30°	1599	1623	1623
35°	1601	1626	1639
40°	1603	1630	1766
45°	1590	1634	1913
50°	1571	1733	2008
55°	1561	1851	1961
60°	1540	1894	1894
65°	1503	1798	1822
70°	1461	1704	1735
75°	1366	1609	1650
80°	1260	1557	1497
85°	1195	1677	1436



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.6	0.7
10°-20°	53.9	2.1
20°-30°	83.3	3.3
30°-40°	103.3	4.1
40°-50°	115.6	4.5
50°-60°	112.9	4.4
60°-70°	89.1	3.5
70°-80°	53.9	2.1
80°-90°	19.2	0.8
90°-100°	66.2	2.6
100°-110°	255.9	10.0
110°-120°	351.7	13.8
120°-130°	355.8	14.0
130°-140°	315.3	12.4
140°-150°	249.4	9.8
150°-160°	174.1	6.8
160°-170°	98.5	3.9
170°-180°	30.9	1.2
0°-30°	155.7	6.1
0°-40°	259.0	10.2
0°-60°	487.6	19.1
0°-90°	649.8	25.5
90°-120°	673.8	26.4
90°-150°	1594.3	62.6
90°-180°	1898.0	74.5
0°-180°	2547.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	195	195	195	195	195	
5°	197	195	196	195	193	19
15°	191	190	191	191	191	54
25°	180	178	182	182	182	83
35°	162	162	165	166	166	102
45°	139	140	143	161	168	107
55°	111	112	132	139	139	99
65°	79	82	94	95	95	78
75°	44	52	52	53	53	46
85°	13	21	18	17	16	13
90°	3	8	6	1	1	2
95°	10	52	62	13	13	13
105°	57	183	277	320	346	60
115°	117	248	389	482	512	117
125°	177	286	427	520	545	158
135°	228	315	427	511	532	176
145°	267	322	414	474	490	167
155°	294	315	389	432	440	136
165°	317	316	346	375	380	89
175°	325	321	320	320	317	31
180°	322	322	322	322	322	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	194.7	194.7	194.7	194.7	194.7
2.5°	197.3	194.7	196.0	194.7	192.1
5°	197.3	194.7	196.0	194.7	193.4
7.5°	196.0	194.7	194.7	193.4	193.4
10°	196.0	193.4	194.7	193.4	192.1
12.5°	193.4	192.1	193.4	192.1	192.1
15°	190.8	189.5	190.8	190.8	190.8
17.5°	189.5	187.0	189.5	189.5	188.2
20°	185.7	184.4	187.0	187.0	187.0
22.5°	183.1	181.8	184.4	184.4	184.4
25°	180.5	177.9	181.8	181.8	181.8
27.5°	175.4	175.4	177.9	179.2	177.9
30°	171.5	170.2	174.1	175.4	174.1
32.5°	167.6	166.3	170.2	171.5	170.2
35°	162.5	162.5	165.0	166.3	166.3
37.5°	157.3	157.3	159.9	161.2	166.3
40°	152.1	152.1	154.7	162.5	167.6
42.5°	145.7	145.7	149.6	161.2	167.6
45°	139.3	140.5	143.1	161.2	167.6
47.5°	132.8	134.1	140.5	159.9	165.0
50°	125.1	127.6	138.0	156.0	159.9
52.5°	118.6	119.9	134.1	149.6	149.6
55°	110.9	112.2	131.5	139.3	139.3
57.5°	103.1	104.4	125.1	127.6	127.6
60°	95.4	96.7	117.3	117.3	117.3
62.5°	86.4	89.0	105.7	107.0	107.0
65°	78.7	82.5	94.1	95.4	95.4
67.5°	69.6	76.1	83.8	85.1	85.1
70°	61.9	69.6	72.2	73.5	73.5
72.5°	52.9	60.6	61.9	63.2	63.2
75°	43.8	51.6	51.6	52.9	52.9
77.5°	34.8	41.3	42.5	42.5	42.5
80°	27.1	30.9	33.5	32.2	32.2
82.5°	19.3	24.5	24.5	24.5	23.2
85°	12.9	20.6	18.1	16.8	15.5
87.5°	7.7	18.1	10.3	9.0	9.0
90°	2.6	7.7	6.4	1.3	1.3
92.5°	5.2	12.9	6.4	5.2	3.9
95°	10.3	51.6	61.9	12.9	12.9
97.5°	19.3	86.4	132.8	157.3	168.9
100°	29.7	128.9	177.9	217.9	232.1
102.5°	42.5	156.0	219.2	269.5	290.1
105°	56.7	183.1	277.2	319.8	345.6
107.5°	70.9	203.7	322.3	370.0	388.1
110°	87.7	220.5	350.7	433.2	438.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	103.1	233.4	366.2	464.2	492.5
115°	117.3	247.6	389.4	482.2	511.9
117.5°	134.1	257.9	403.6	492.5	524.8
120°	149.6	266.9	413.9	505.4	528.6
122.5°	163.7	277.2	421.6	515.7	541.5
125°	176.6	286.2	426.8	519.6	545.4
127.5°	189.5	294.0	428.1	520.9	548.0
130°	203.7	301.7	430.6	519.6	546.7
132.5°	217.9	309.4	429.4	515.7	540.2
135°	228.2	314.6	426.8	510.6	532.5
137.5°	238.5	318.5	424.2	502.9	523.5
140°	247.6	321.1	420.3	493.8	513.2
142.5°	257.9	322.3	417.8	484.8	501.6
145°	266.9	322.3	413.9	474.5	490.0
147.5°	275.9	321.1	408.7	464.2	477.1
150°	282.4	318.5	403.6	453.9	464.2
152.5°	287.5	315.9	397.1	442.3	452.6
155°	294.0	314.6	389.4	431.9	439.7
157.5°	299.1	314.6	380.4	420.3	428.1
160°	304.3	314.6	370.0	408.7	415.2
162.5°	310.7	314.6	355.9	392.0	398.4
165°	317.2	315.9	345.6	375.2	380.4
167.5°	321.1	315.9	335.2	354.6	359.7
170°	323.6	318.5	326.2	340.4	341.7
172.5°	324.9	321.1	319.8	326.2	326.2
175°	324.9	321.1	319.8	319.8	317.2
177.5°	324.9	322.3	322.3	321.1	317.2
180°	322.3	322.3	322.3	322.3	322.3

(END OF REPORT)