

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: P274995

Luminaire Tested: **J3-CL-30L82765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274995
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-30L82765-1D-UNV-W2A-W-4 (4500K)
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 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2931.3 lumens
Efficiency: N/A
Efficacy: 138.9 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

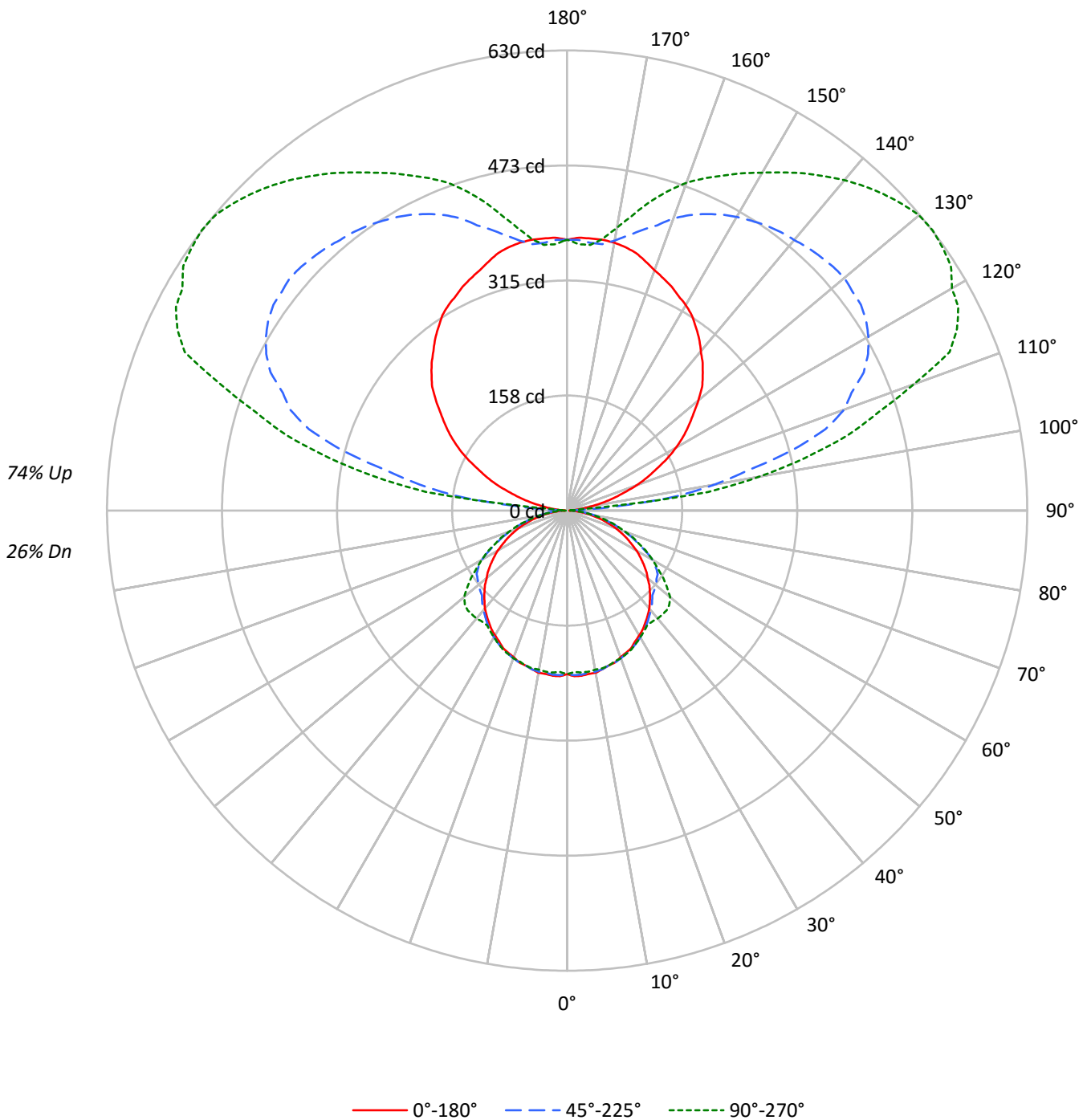
Input Watts (W): 21.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1808	1808	1808
5°	1840	1827	1803
10°	1849	1836	1812
15°	1835	1835	1835
20°	1835	1848	1848
25°	1850	1863	1863
30°	1839	1867	1867
35°	1842	1872	1886
40°	1845	1876	2033
45°	1829	1880	2202
50°	1807	1993	2311
55°	1796	2130	2255
60°	1773	2180	2180
65°	1729	2069	2097
70°	1681	1961	1997
75°	1572	1850	1896
80°	1450	1795	1725
85°	1371	1927	1649



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.4	0.7
10°-20°	62.0	2.1
20°-30°	95.8	3.3
30°-40°	118.9	4.1
40°-50°	133.0	4.5
50°-60°	130.0	4.4
60°-70°	102.5	3.5
70°-80°	62.0	2.1
80°-90°	22.1	0.8
90°-100°	76.1	2.6
100°-110°	294.5	10.0
110°-120°	404.6	13.8
120°-130°	409.4	14.0
130°-140°	362.8	12.4
140°-150°	287.0	9.8
150°-160°	200.4	6.8
160°-170°	113.4	3.9
170°-180°	35.5	1.2
0°-30°	179.2	6.1
0°-40°	298.0	10.2
0°-60°	561.0	19.1
0°-90°	747.7	25.5
90°-120°	775.2	26.4
90°-150°	1834.4	62.6
90°-180°	2184.0	74.5
0°-180°	2931.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	224	224	224	224	224	
5°	227	224	226	224	222	22
15°	220	218	220	220	220	62
25°	208	205	209	209	209	95
35°	187	187	190	191	191	117
45°	160	162	165	185	193	124
55°	128	129	151	160	160	114
65°	90	95	108	110	110	89
75°	50	59	59	61	61	53
85°	15	24	21	19	18	16
90°	3	9	7	2	2	3
95°	12	59	71	15	15	15
105°	65	211	319	368	398	69
115°	135	285	448	555	589	135
125°	203	329	491	598	628	182
135°	263	362	491	588	613	202
145°	307	371	476	546	564	192
155°	338	362	448	497	506	156
165°	365	364	398	432	438	103
175°	374	369	368	368	365	36
180°	371	371	371	371	371	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	224.0	224.0	224.0	224.0	224.0
2.5°	227.0	224.0	225.5	224.0	221.1
5°	227.0	224.0	225.5	224.0	222.5
7.5°	225.5	224.0	224.0	222.5	222.5
10°	225.5	222.5	224.0	222.5	221.1
12.5°	222.5	221.1	222.5	221.1	221.1
15°	219.6	218.1	219.6	219.6	219.6
17.5°	218.1	215.1	218.1	218.1	216.6
20°	213.6	212.2	215.1	215.1	215.1
22.5°	210.7	209.2	212.2	212.2	212.2
25°	207.7	204.7	209.2	209.2	209.2
27.5°	201.8	201.8	204.7	206.2	204.7
30°	197.3	195.8	200.3	201.8	200.3
32.5°	192.9	191.4	195.8	197.3	195.8
35°	186.9	186.9	189.9	191.4	191.4
37.5°	181.0	181.0	184.0	185.4	191.4
40°	175.1	175.1	178.0	186.9	192.9
42.5°	167.6	167.6	172.1	185.4	192.9
45°	160.2	161.7	164.7	185.4	192.9
47.5°	152.8	154.3	161.7	184.0	189.9
50°	143.9	146.9	158.7	179.5	184.0
52.5°	136.5	138.0	154.3	172.1	172.1
55°	127.6	129.1	151.3	160.2	160.2
57.5°	118.7	120.2	143.9	146.9	146.9
60°	109.8	111.3	135.0	135.0	135.0
62.5°	99.4	102.4	121.7	123.1	123.1
65°	90.5	94.9	108.3	109.8	109.8
67.5°	80.1	87.5	96.4	97.9	97.9
70°	71.2	80.1	83.1	84.6	84.6
72.5°	60.8	69.7	71.2	72.7	72.7
75°	50.4	59.3	59.3	60.8	60.8
77.5°	40.1	47.5	49.0	49.0	49.0
80°	31.2	35.6	38.6	37.1	37.1
82.5°	22.3	28.2	28.2	28.2	26.7
85°	14.8	23.7	20.8	19.3	17.8
87.5°	8.9	20.8	11.9	10.4	10.4
90°	3.0	8.9	7.4	1.5	1.5
92.5°	5.9	14.8	7.4	5.9	4.5
95°	11.9	59.3	71.2	14.8	14.8
97.5°	22.3	99.4	152.8	181.0	194.3
100°	34.1	148.4	204.7	250.7	267.0
102.5°	49.0	179.5	252.2	310.1	333.8
105°	65.3	210.7	319.0	367.9	397.6
107.5°	81.6	234.4	370.9	425.8	446.6
110°	100.9	253.7	403.5	498.5	504.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	118.7	268.5	421.3	534.1	566.7
115°	135.0	284.8	448.0	554.9	589.0
117.5°	154.3	296.7	464.4	566.7	603.8
120°	172.1	307.1	476.2	581.6	608.3
122.5°	188.4	319.0	485.1	593.4	623.1
125°	203.3	329.4	491.1	597.9	627.6
127.5°	218.1	338.3	492.5	599.4	630.5
130°	234.4	347.2	495.5	597.9	629.0
132.5°	250.7	356.1	494.0	593.4	621.6
135°	262.6	362.0	491.1	587.5	612.7
137.5°	274.5	366.4	488.1	578.6	602.3
140°	284.8	369.4	483.6	568.2	590.5
142.5°	296.7	370.9	480.7	557.8	577.1
145°	307.1	370.9	476.2	546.0	563.8
147.5°	317.5	369.4	470.3	534.1	548.9
150°	324.9	366.4	464.4	522.2	534.1
152.5°	330.8	363.5	456.9	508.9	520.7
155°	338.3	362.0	448.0	497.0	505.9
157.5°	344.2	362.0	437.7	483.6	492.5
160°	350.1	362.0	425.8	470.3	477.7
162.5°	357.5	362.0	409.5	451.0	458.4
165°	365.0	363.5	397.6	431.7	437.7
167.5°	369.4	363.5	385.7	408.0	413.9
170°	372.4	366.4	375.3	391.7	393.1
172.5°	373.9	369.4	367.9	375.3	375.3
175°	373.9	369.4	367.9	367.9	365.0
177.5°	373.9	370.9	370.9	369.4	365.0
180°	370.9	370.9	370.9	370.9	370.9

(END OF REPORT)