

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: P274994

Luminaire Tested: **J3-CL-30L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274994
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 (4000K)
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 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2879.4 lumens
Efficiency: N/A
Efficacy: 137.8 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

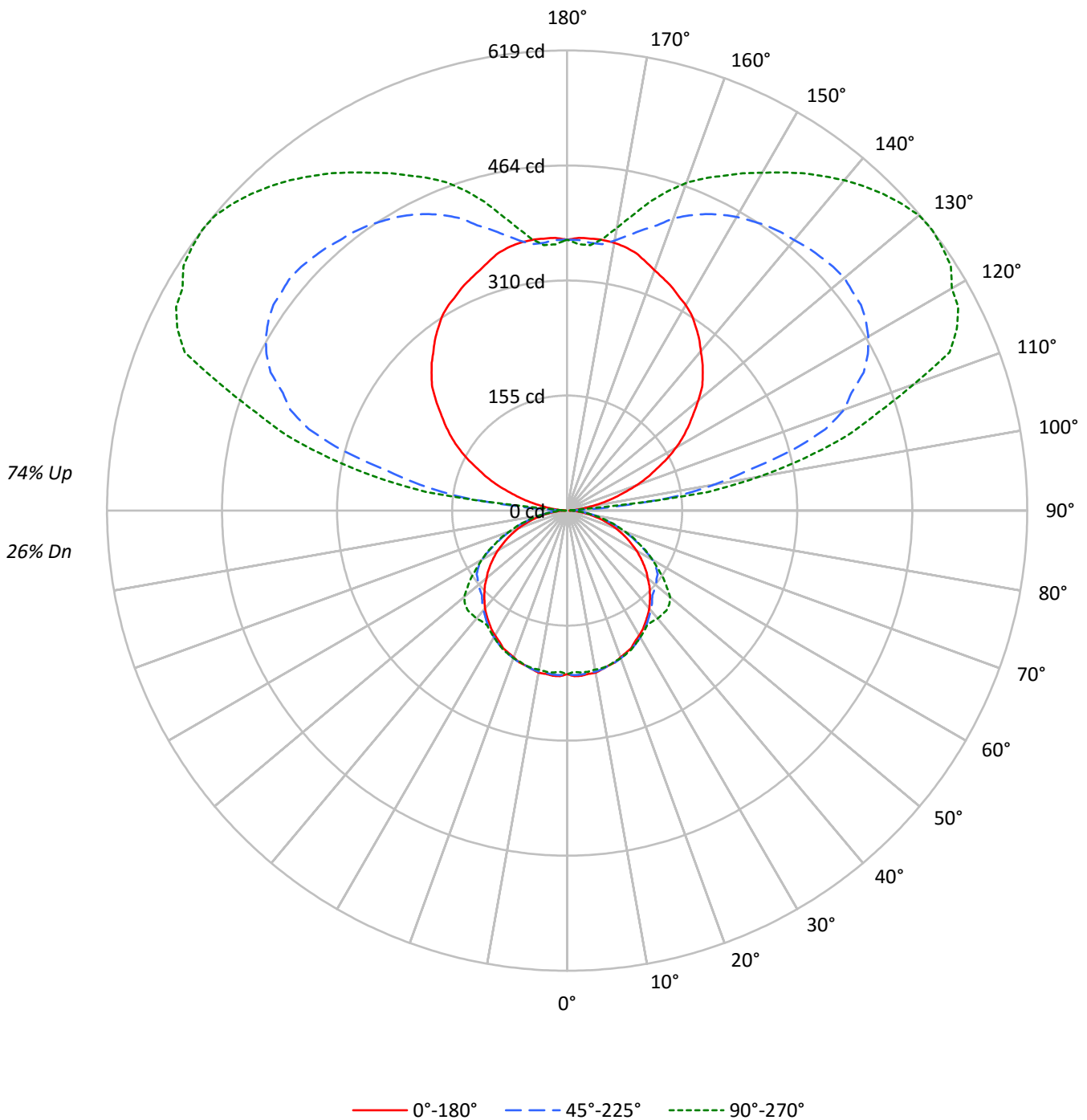
Input Watts (W): 20.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1777	1777	1777
5°	1807	1795	1771
10°	1816	1804	1780
15°	1803	1803	1803
20°	1803	1815	1815
25°	1817	1830	1830
30°	1807	1834	1834
35°	1809	1838	1853
40°	1813	1843	1996
45°	1797	1847	2162
50°	1776	1958	2269
55°	1764	2092	2215
60°	1741	2141	2141
65°	1698	2032	2059
70°	1652	1926	1961
75°	1544	1818	1862
80°	1423	1762	1692
85°	1352	1890	1621



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.0	0.7
10°-20°	60.9	2.1
20°-30°	94.1	3.3
30°-40°	116.7	4.1
40°-50°	130.6	4.5
50°-60°	127.7	4.4
60°-70°	100.7	3.5
70°-80°	60.9	2.1
80°-90°	21.7	0.8
90°-100°	74.8	2.6
100°-110°	289.2	10.0
110°-120°	397.5	13.8
120°-130°	402.1	14.0
130°-140°	356.4	12.4
140°-150°	281.9	9.8
150°-160°	196.8	6.8
160°-170°	111.4	3.9
170°-180°	34.9	1.2
0°-30°	176.0	6.1
0°-40°	292.8	10.2
0°-60°	551.1	19.1
0°-90°	734.4	25.5
90°-120°	761.5	26.4
90°-150°	1801.9	62.6
90°-180°	2145.0	74.5
0°-180°	2879.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	220	220	220	220	220	
5°	223	220	222	220	219	21
15°	216	214	216	216	216	61
25°	204	201	206	206	206	94
35°	184	184	186	188	188	115
45°	157	159	162	182	189	121
55°	125	127	149	157	157	112
65°	89	93	106	108	108	88
75°	50	58	58	60	60	52
85°	15	23	20	19	18	15
90°	3	9	7	2	2	3
95°	12	58	70	15	15	14
105°	64	207	313	361	391	68
115°	133	280	440	545	578	132
125°	200	324	482	587	616	179
135°	258	356	482	577	602	199
145°	302	364	468	536	554	189
155°	332	356	440	488	497	153
165°	358	357	391	424	430	101
175°	367	363	361	361	358	35
180°	364	364	364	364	364	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	220.1	220.1	220.1	220.1	220.1
2.5°	223.0	220.1	221.5	220.1	217.1
5°	223.0	220.1	221.5	220.1	218.6
7.5°	221.5	220.1	220.1	218.6	218.6
10°	221.5	218.6	220.1	218.6	217.1
12.5°	218.6	217.1	218.6	217.1	217.1
15°	215.7	214.2	215.7	215.7	215.7
17.5°	214.2	211.3	214.2	214.2	212.8
20°	209.9	208.4	211.3	211.3	211.3
22.5°	206.9	205.5	208.4	208.4	208.4
25°	204.0	201.1	205.5	205.5	205.5
27.5°	198.2	198.2	201.1	202.6	201.1
30°	193.8	192.4	196.7	198.2	196.7
32.5°	189.4	188.0	192.4	193.8	192.4
35°	183.6	183.6	186.5	188.0	188.0
37.5°	177.8	177.8	180.7	182.2	188.0
40°	172.0	172.0	174.9	183.6	189.4
42.5°	164.7	164.7	169.0	182.2	189.4
45°	157.4	158.8	161.8	182.2	189.4
47.5°	150.1	151.6	158.8	180.7	186.5
50°	141.4	144.3	155.9	176.3	180.7
52.5°	134.1	135.5	151.6	169.0	169.0
55°	125.3	126.8	148.6	157.4	157.4
57.5°	116.6	118.0	141.4	144.3	144.3
60°	107.8	109.3	132.6	132.6	132.6
62.5°	97.6	100.6	119.5	121.0	121.0
65°	88.9	93.3	106.4	107.8	107.8
67.5°	78.7	86.0	94.7	96.2	96.2
70°	70.0	78.7	81.6	83.1	83.1
72.5°	59.7	68.5	70.0	71.4	71.4
75°	49.5	58.3	58.3	59.7	59.7
77.5°	39.3	46.6	48.1	48.1	48.1
80°	30.6	35.0	37.9	36.4	36.4
82.5°	21.9	27.7	27.7	27.7	26.2
85°	14.6	23.3	20.4	18.9	17.5
87.5°	8.7	20.4	11.7	10.2	10.2
90°	2.9	8.7	7.3	1.5	1.5
92.5°	5.8	14.6	7.3	5.8	4.4
95°	11.7	58.3	70.0	14.6	14.6
97.5°	21.9	97.6	150.1	177.8	190.9
100°	33.5	145.7	201.1	246.3	262.3
102.5°	48.1	176.3	247.7	304.6	327.9
105°	64.1	206.9	313.3	361.4	390.6
107.5°	80.2	230.3	364.3	418.2	438.6
110°	99.1	249.2	396.4	489.7	495.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	116.6	263.8	413.9	524.6	556.7
115°	132.6	279.8	440.1	545.0	578.5
117.5°	151.6	291.5	456.1	556.7	593.1
120°	169.0	301.7	467.8	571.3	597.5
122.5°	185.1	313.3	476.5	582.9	612.1
125°	199.6	323.5	482.4	587.3	616.4
127.5°	214.2	332.3	483.8	588.7	619.4
130°	230.3	341.0	486.7	587.3	617.9
132.5°	246.3	349.8	485.3	582.9	610.6
135°	257.9	355.6	482.4	577.1	601.9
137.5°	269.6	360.0	479.5	568.3	591.7
140°	279.8	362.9	475.1	558.1	580.0
142.5°	291.5	364.3	472.2	547.9	566.9
145°	301.7	364.3	467.8	536.3	553.8
147.5°	311.9	362.9	462.0	524.6	539.2
150°	319.1	360.0	456.1	513.0	524.6
152.5°	325.0	357.0	448.8	499.9	511.5
155°	332.3	355.6	440.1	488.2	496.9
157.5°	338.1	355.6	429.9	475.1	483.8
160°	343.9	355.6	418.2	462.0	469.2
162.5°	351.2	355.6	402.2	443.0	450.3
165°	358.5	357.0	390.6	424.1	429.9
167.5°	362.9	357.0	378.9	400.8	406.6
170°	365.8	360.0	368.7	384.7	386.2
172.5°	367.2	362.9	361.4	368.7	368.7
175°	367.2	362.9	361.4	361.4	358.5
177.5°	367.2	364.3	364.3	362.9	358.5
180°	364.3	364.3	364.3	364.3	364.3

(END OF REPORT)