

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: P274996

Luminaire Tested: **J3-CL-30L82765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274996
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 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2971.7 lumens
Efficiency: N/A
Efficacy: 140.2 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

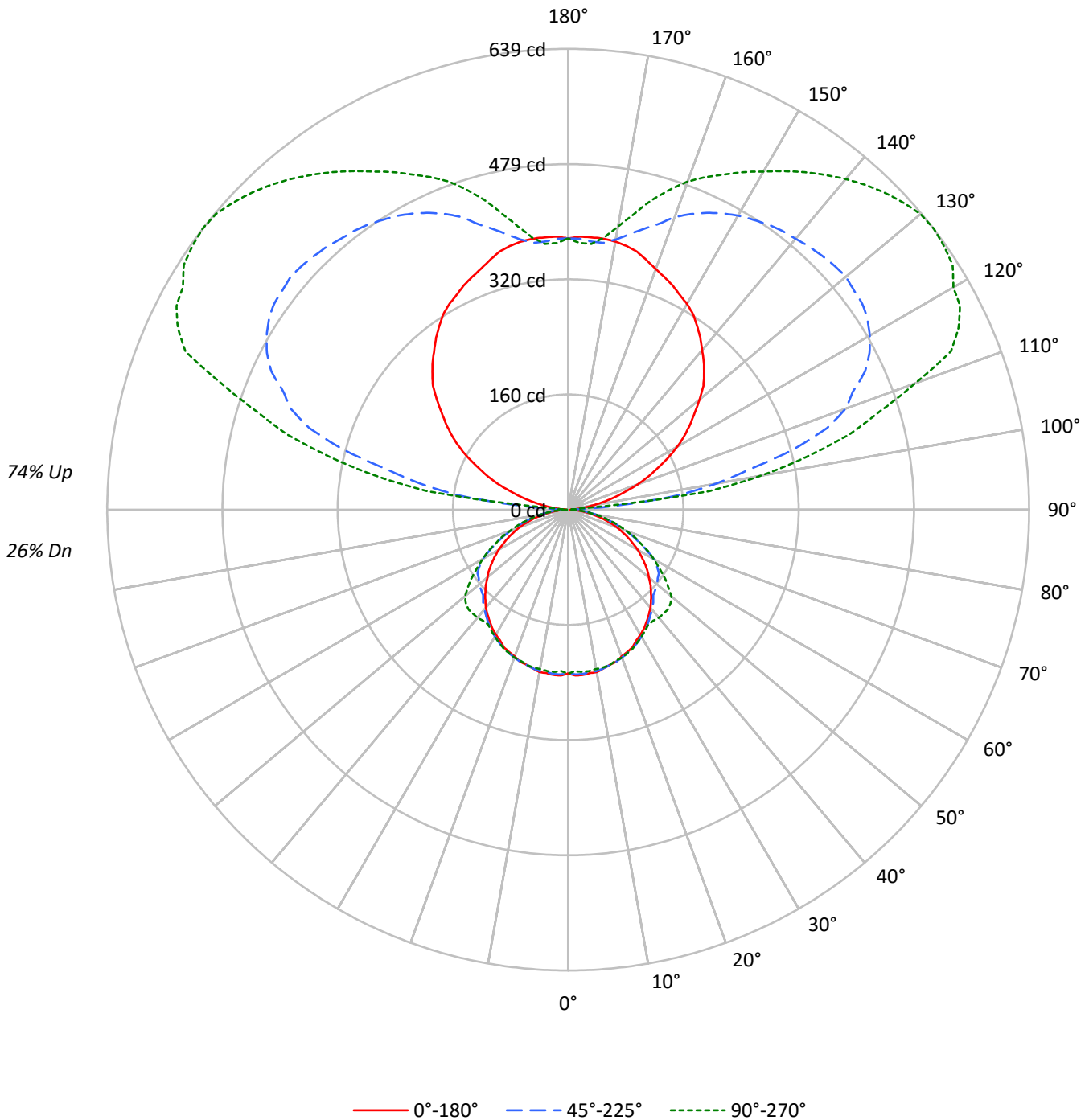
Input Watts (W): 21.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1833	1833	1833
5°	1865	1853	1828
10°	1874	1862	1837
15°	1860	1860	1860
20°	1861	1874	1874
25°	1876	1889	1889
30°	1864	1892	1892
35°	1868	1897	1912
40°	1871	1902	2060
45°	1854	1905	2232
50°	1832	2021	2342
55°	1820	2159	2286
60°	1797	2210	2210
65°	1752	2097	2126
70°	1704	1987	2023
75°	1594	1878	1925
80°	1469	1818	1748
85°	1389	1954	1667



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.7	0.7
10°-20°	62.9	2.1
20°-30°	97.1	3.3
30°-40°	120.5	4.1
40°-50°	134.8	4.5
50°-60°	131.7	4.4
60°-70°	103.9	3.5
70°-80°	62.9	2.1
80°-90°	22.4	0.8
90°-100°	77.2	2.6
100°-110°	298.5	10.0
110°-120°	410.2	13.8
120°-130°	415.0	14.0
130°-140°	367.8	12.4
140°-150°	290.9	9.8
150°-160°	203.1	6.8
160°-170°	114.9	3.9
170°-180°	36.0	1.2
0°-30°	181.7	6.1
0°-40°	302.1	10.2
0°-60°	568.7	19.1
0°-90°	758.0	25.5
90°-120°	785.9	26.4
90°-150°	1859.7	62.6
90°-180°	2214.0	74.5
0°-180°	2971.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	227	227	227	227	227	
5°	230	227	229	227	226	22
15°	223	221	223	223	223	63
25°	211	208	212	212	212	97
35°	190	190	192	194	194	119
45°	162	164	167	188	196	125
55°	129	131	153	162	162	116
65°	92	96	110	111	111	90
75°	51	60	60	62	62	54
85°	15	24	21	20	18	16
90°	3	9	8	2	2	3
95°	12	60	72	15	15	15
105°	66	214	323	373	403	70
115°	137	289	454	562	597	137
125°	206	334	498	606	636	184
135°	266	367	498	596	621	205
145°	311	376	483	554	572	195
155°	343	367	454	504	513	158
165°	370	368	403	438	444	104
175°	379	374	373	373	370	36
180°	376	376	376	376	376	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	227.1	227.1	227.1	227.1	227.1
2.5°	230.1	227.1	228.6	227.1	224.1
5°	230.1	227.1	228.6	227.1	225.6
7.5°	228.6	227.1	227.1	225.6	225.6
10°	228.6	225.6	227.1	225.6	224.1
12.5°	225.6	224.1	225.6	224.1	224.1
15°	222.6	221.1	222.6	222.6	222.6
17.5°	221.1	218.1	221.1	221.1	219.6
20°	216.6	215.1	218.1	218.1	218.1
22.5°	213.6	212.1	215.1	215.1	215.1
25°	210.6	207.6	212.1	212.1	212.1
27.5°	204.5	204.5	207.6	209.1	207.6
30°	200.0	198.5	203.0	204.5	203.0
32.5°	195.5	194.0	198.5	200.0	198.5
35°	189.5	189.5	192.5	194.0	194.0
37.5°	183.5	183.5	186.5	188.0	194.0
40°	177.5	177.5	180.5	189.5	195.5
42.5°	170.0	170.0	174.5	188.0	195.5
45°	162.4	163.9	166.9	188.0	195.5
47.5°	154.9	156.4	163.9	186.5	192.5
50°	145.9	148.9	160.9	182.0	186.5
52.5°	138.4	139.9	156.4	174.5	174.5
55°	129.3	130.8	153.4	162.4	162.4
57.5°	120.3	121.8	145.9	148.9	148.9
60°	111.3	112.8	136.9	136.9	136.9
62.5°	100.8	103.8	123.3	124.8	124.8
65°	91.7	96.3	109.8	111.3	111.3
67.5°	81.2	88.7	97.8	99.3	99.3
70°	72.2	81.2	84.2	85.7	85.7
72.5°	61.7	70.7	72.2	73.7	73.7
75°	51.1	60.2	60.2	61.7	61.7
77.5°	40.6	48.1	49.6	49.6	49.6
80°	31.6	36.1	39.1	37.6	37.6
82.5°	22.6	28.6	28.6	28.6	27.1
85°	15.0	24.1	21.1	19.6	18.0
87.5°	9.0	21.1	12.0	10.5	10.5
90°	3.0	9.0	7.5	1.5	1.5
92.5°	6.0	15.0	7.5	6.0	4.5
95°	12.0	60.2	72.2	15.0	15.0
97.5°	22.6	100.8	154.9	183.5	197.0
100°	34.6	150.4	207.6	254.2	270.7
102.5°	49.6	182.0	255.7	314.3	338.4
105°	66.2	213.6	323.4	373.0	403.1
107.5°	82.7	237.6	376.0	431.7	452.7
110°	102.3	257.2	409.1	505.4	511.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	120.3	272.2	427.1	541.4	574.5
115°	136.9	288.8	454.2	562.5	597.1
117.5°	156.4	300.8	470.8	574.5	612.1
120°	174.5	311.3	482.8	589.6	616.6
122.5°	191.0	323.4	491.8	601.6	631.7
125°	206.1	333.9	497.8	606.1	636.2
127.5°	221.1	342.9	499.3	607.6	639.2
130°	237.6	351.9	502.3	606.1	637.7
132.5°	254.2	361.0	500.8	601.6	630.2
135°	266.2	367.0	497.8	595.6	621.2
137.5°	278.2	371.5	494.8	586.6	610.6
140°	288.8	374.5	490.3	576.0	598.6
142.5°	300.8	376.0	487.3	565.5	585.1
145°	311.3	376.0	482.8	553.5	571.5
147.5°	321.9	374.5	476.8	541.4	556.5
150°	329.4	371.5	470.8	529.4	541.4
152.5°	335.4	368.5	463.2	515.9	527.9
155°	342.9	367.0	454.2	503.8	512.9
157.5°	348.9	367.0	443.7	490.3	499.3
160°	354.9	367.0	431.7	476.8	484.3
162.5°	362.5	367.0	415.1	457.2	464.7
165°	370.0	368.5	403.1	437.7	443.7
167.5°	374.5	368.5	391.0	413.6	419.6
170°	377.5	371.5	380.5	397.1	398.6
172.5°	379.0	374.5	373.0	380.5	380.5
175°	379.0	374.5	373.0	373.0	370.0
177.5°	379.0	376.0	376.0	374.5	370.0
180°	376.0	376.0	376.0	376.0	376.0

(END OF REPORT)