

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: P275201

Luminaire Tested: **J3-UL-40L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275201
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-40L82765-1D-UNV-W2A-W-4 (3500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3920.6 lumens
Efficiency: N/A
Efficacy: 140.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.37 / 1.44
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

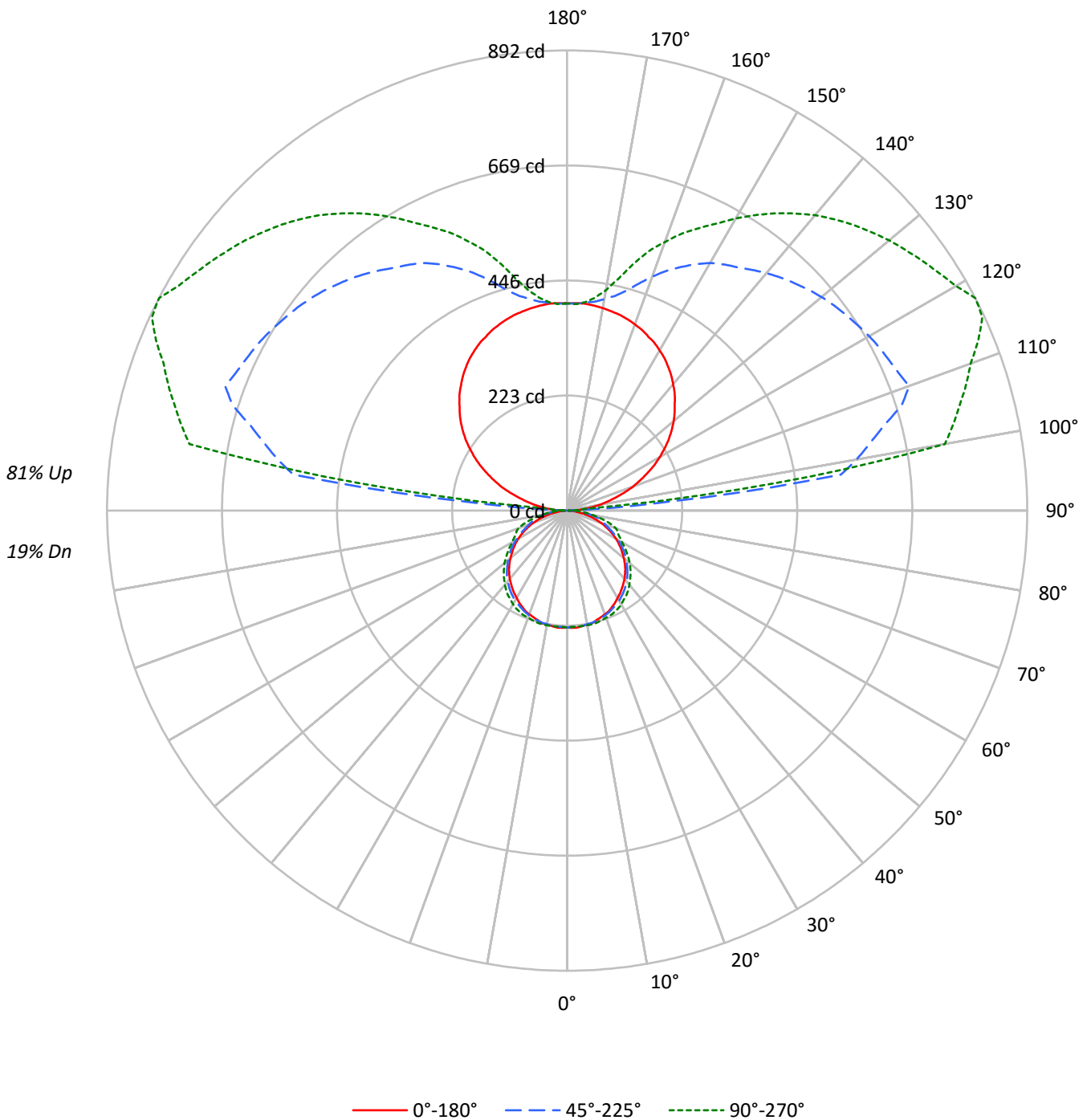
Input Watts (W): 28
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P275201

CATALOG NUMBER: J3-UL-40L82765-1D-UNV-W2A-W-4 (3500K)

Luminous Intensity Polar Plot





TEST NUMBER: P275201

CATALOG NUMBER: J3-UL-40L82765-1D-UNV-W2A-W-4 (3500K)

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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19
1	91	86	83	79	80	76	73	70	57	55	53	40	39	38	24	23	23	15
2	82	75	69	64	72	66	61	57	50	47	44	35	33	31	21	20	19	13
3	75	66	59	53	66	58	52	47	44	40	37	31	28	26	18	17	16	10
4	68	58	50	45	60	51	45	40	39	34	31	27	24	22	16	15	13	9
5	62	51	44	38	55	45	39	34	34	30	26	24	21	19	14	13	12	8
6	57	46	38	32	50	41	34	29	31	26	23	22	19	16	13	11	10	7
7	53	41	33	28	46	36	30	25	28	23	20	20	16	14	12	10	9	6
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5
9	45	34	26	22	40	30	24	19	23	18	15	16	13	11	10	8	7	5
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	7	6	4

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1830	1830	1830
5°	1844	1829	1829
10°	1842	1834	1850
15°	1837	1845	1878
20°	1838	1855	1897
25°	1836	1863	1932
30°	1821	1876	1959
35°	1820	1887	1974
40°	1822	1884	1977
45°	1819	1885	1985
50°	1804	1878	1988
55°	1787	1871	1980
60°	1766	1845	1988
65°	1717	1828	2090
70°	1659	1846	2375
75°	1522	2102	2408
80°	1316	2134	2315
85°	991	2353	2621



TEST NUMBER: P275201

CATALOG NUMBER: J3-UL-40L82765-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.6	0.5
10°-20°	62.7	1.6
20°-30°	97.1	2.5
30°-40°	120.1	3.1
40°-50°	128.0	3.3
50°-60°	119.3	3.0
60°-70°	97.4	2.5
70°-80°	67.0	1.7
80°-90°	26.3	0.7
90°-100°	228.3	5.8
100°-110°	591.6	15.1
110°-120°	613.8	15.7
120°-130°	546.3	13.9
130°-140°	455.2	11.6
140°-150°	346.6	8.8
150°-160°	233.5	6.0
160°-170°	126.7	3.2
170°-180°	39.0	1.0
0°-30°	181.3	4.6
0°-40°	301.4	7.7
0°-60°	548.7	14.0
0°-90°	739.5	18.9
90°-120°	1433.7	36.6
90°-150°	2781.9	71.0
90°-180°	3181.0	81.1
0°-180°	3920.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	227	227	227	227	227	
5°	228	228	226	226	226	22
15°	220	221	221	224	225	62
25°	206	206	209	215	217	95
35°	185	187	192	197	200	116
45°	159	161	165	171	174	123
55°	127	130	133	137	141	113
65°	90	92	96	104	109	89
75°	49	52	67	75	77	51
85°	11	20	25	29	28	13
90°	2	2	2	2	2	4
95°	33	258	198	32	31	33
105°	97	409	635	752	788	103
115°	171	423	689	860	888	170
125°	240	433	660	801	842	214
135°	295	444	623	746	784	228
145°	341	437	576	670	703	213
155°	372	417	521	587	604	172
165°	393	406	441	482	494	111
175°	402	404	404	406	406	38
180°	402	402	402	402	402	



TEST NUMBER: P275201

CATALOG NUMBER: J3-UL-40L82765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	226.7	226.7	226.7	226.7	226.7
2.5°	227.6	227.6	225.7	225.7	225.7
5°	227.6	227.6	225.7	225.7	225.7
7.5°	225.7	226.7	225.7	225.7	225.7
10°	224.7	224.7	223.7	224.7	225.7
12.5°	223.7	223.7	222.8	224.7	225.7
15°	219.8	220.8	220.8	223.7	224.7
17.5°	216.9	217.9	218.8	221.8	222.8
20°	214.0	214.0	215.9	219.8	220.8
22.5°	211.0	211.0	213.0	217.9	219.8
25°	206.1	206.1	209.1	214.9	216.9
27.5°	201.3	202.2	205.2	211.0	214.0
30°	195.4	197.4	201.3	207.1	210.1
32.5°	190.5	192.5	196.4	202.2	204.2
35°	184.7	186.6	191.5	197.4	200.3
37.5°	178.8	180.7	185.6	191.5	194.4
40°	172.9	174.9	178.8	185.6	187.6
42.5°	166.1	168.0	172.9	178.8	180.7
45°	159.3	161.2	165.1	171.0	173.9
47.5°	151.4	154.4	157.3	163.2	166.1
50°	143.6	146.5	149.5	155.3	158.3
52.5°	134.8	138.7	141.7	146.5	149.5
55°	127.0	129.9	132.9	136.8	140.7
57.5°	118.2	121.1	124.1	129.0	131.9
60°	109.4	111.4	114.3	119.2	123.1
62.5°	99.7	102.6	104.5	110.4	116.3
65°	89.9	91.8	95.7	104.5	109.4
67.5°	80.1	82.1	86.0	98.7	106.5
70°	70.3	72.3	78.2	95.7	100.6
72.5°	58.6	61.6	71.3	87.9	89.9
75°	48.8	51.8	67.4	75.2	77.2
77.5°	38.1	42.0	57.6	62.5	63.5
80°	28.3	35.2	45.9	49.8	49.8
82.5°	18.6	29.3	35.2	39.1	39.1
85°	10.7	20.5	25.4	29.3	28.3
87.5°	6.8	13.7	19.5	22.5	21.5
90°	2.0	2.0	2.0	2.0	2.0
92.5°	18.6	51.8	15.6	14.7	14.7
95°	33.2	257.9	198.3	32.2	31.3
97.5°	46.9	314.6	535.4	632.1	410.3
100°	63.5	374.2	569.6	704.4	743.5
102.5°	79.1	399.6	600.9	724.0	766.0
105°	96.7	409.4	635.0	752.3	787.5
107.5°	116.3	415.2	680.0	775.7	810.9
110°	135.8	418.2	705.4	807.0	832.4



TEST NUMBER: P275201

CATALOG NUMBER: J3-UL-40L82765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	153.4	420.1	695.6	839.2	862.7
115°	171.0	423.0	688.8	859.8	888.1
117.5°	190.5	425.0	682.9	840.2	892.0
120°	207.1	427.9	676.1	826.5	870.5
122.5°	223.7	430.9	668.3	813.8	855.9
125°	240.3	432.8	660.5	801.1	842.2
127.5°	255.0	434.8	652.6	787.5	828.5
130°	269.7	440.6	643.8	774.8	814.8
132.5°	282.4	444.5	634.1	759.1	799.2
135°	295.1	444.5	623.3	745.5	783.6
137.5°	308.7	444.5	612.6	727.9	766.0
140°	319.5	442.6	600.9	710.3	747.4
142.5°	331.2	440.6	588.2	691.7	725.9
145°	341.0	436.7	575.5	670.2	703.4
147.5°	350.7	431.8	565.7	648.7	679.0
150°	358.6	426.9	554.0	627.2	653.6
152.5°	366.4	421.1	538.3	606.7	627.2
155°	372.2	417.2	520.7	587.2	603.8
157.5°	379.1	414.2	503.2	564.7	581.3
160°	384.0	410.3	482.6	539.3	554.0
162.5°	388.8	407.4	461.1	511.9	527.6
165°	392.8	405.5	440.6	481.7	494.4
167.5°	395.7	404.5	426.0	451.4	460.2
170°	398.6	403.5	416.2	430.9	433.8
172.5°	400.6	403.5	408.4	415.2	416.2
175°	402.5	404.5	404.5	406.4	405.5
177.5°	402.5	403.5	401.5	402.5	400.6
180°	401.5	401.5	401.5	401.5	401.5

(END OF REPORT)