

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: P275055

Luminaire Tested: **J3-CL-80L82765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275055
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-80L82765-1D-UNV-W2A-W-4 (2700K)
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 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7019.4 lumens
Efficiency: N/A
Efficacy: 112.7 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

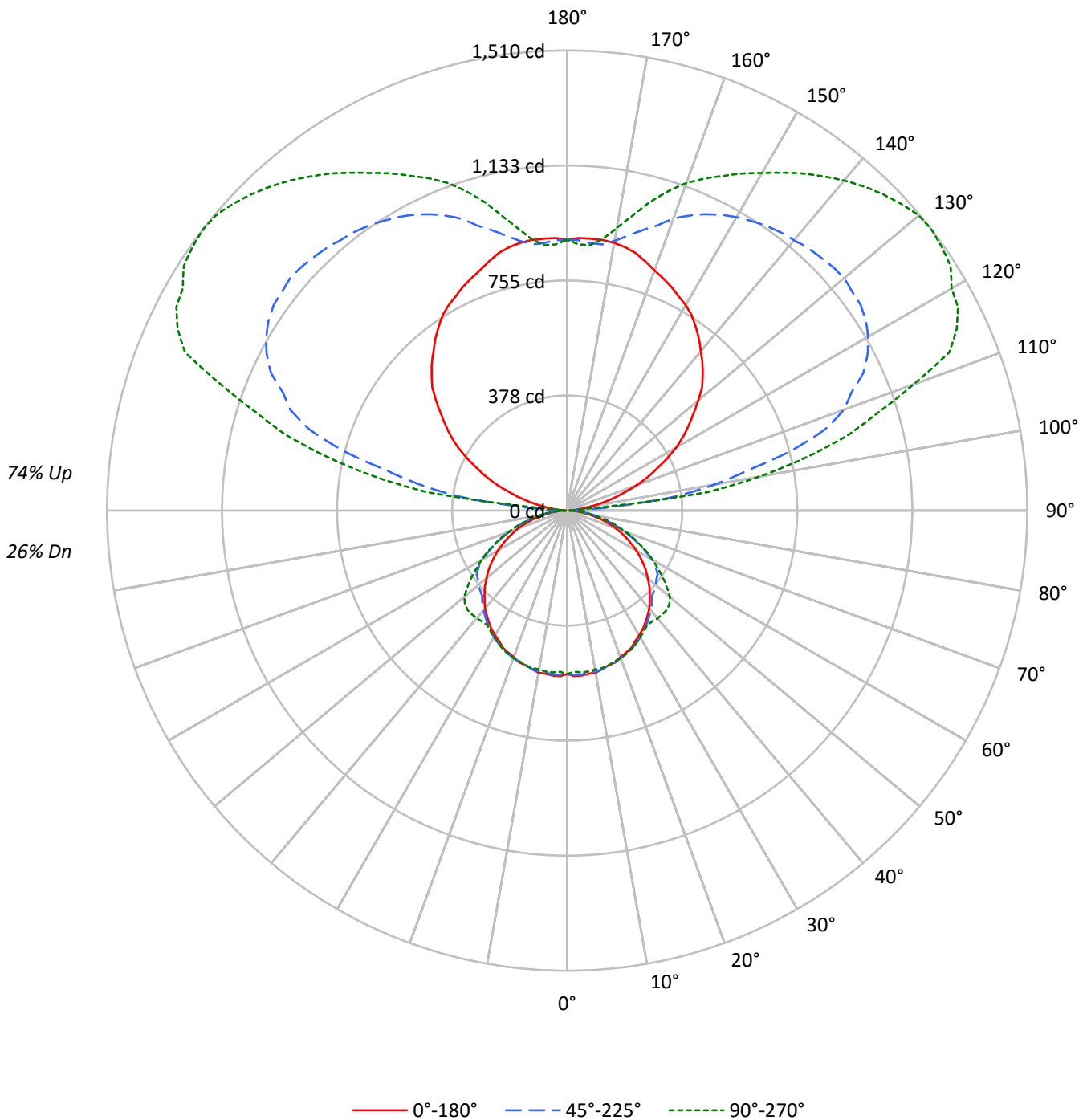
Input Watts (W): 62.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	4330	4330	4330
5°	4404	4376	4319
10°	4427	4397	4339
15°	4394	4394	4394
20°	4395	4425	4425
25°	4431	4462	4462
30°	4405	4471	4471
35°	4411	4481	4517
40°	4418	4493	4867
45°	4381	4502	5272
50°	4328	4774	5532
55°	4300	5101	5400
60°	4245	5220	5220
65°	4139	4953	5022
70°	4024	4695	4780
75°	3768	4432	4545
80°	3468	4296	4128
85°	3288	4604	3946



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.2	0.7
10°-20°	148.4	2.1
20°-30°	229.5	3.3
30°-40°	284.6	4.1
40°-50°	318.5	4.5
50°-60°	311.2	4.4
60°-70°	245.5	3.5
70°-80°	148.6	2.1
80°-90°	52.9	0.8
90°-100°	182.3	2.6
100°-110°	705.1	10.0
110°-120°	969.0	13.8
120°-130°	980.3	14.0
130°-140°	868.8	12.4
140°-150°	687.1	9.8
150°-160°	479.8	6.8
160°-170°	271.5	3.9
170°-180°	85.1	1.2
0°-30°	429.1	6.1
0°-40°	713.7	10.2
0°-60°	1343.3	19.1
0°-90°	1790.3	25.5
90°-120°	1856.4	26.4
90°-150°	4392.7	62.6
90°-180°	5229.0	74.5
0°-180°	7019.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	536	536	536	536	536	
5°	544	536	540	536	533	52
15°	526	522	526	526	526	149
25°	497	490	501	501	501	228
35°	448	448	455	458	458	280
45°	384	387	394	444	462	296
55°	306	309	362	384	384	273
65°	217	227	259	263	263	214
75°	121	142	142	146	146	128
85°	36	57	50	46	43	37
90°	7	21	18	4	4	7
95°	28	142	170	36	36	35
105°	156	504	764	881	952	166
115°	323	682	1073	1329	1410	322
125°	487	789	1176	1432	1503	435
135°	629	867	1176	1407	1467	484
145°	735	888	1140	1307	1350	460
155°	810	867	1073	1190	1211	373
165°	874	870	952	1034	1048	246
175°	895	885	881	881	874	85
180°	888	888	888	888	888	



TEST NUMBER: P275055

CATALOG NUMBER: J3-CL-80L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	536.4	536.4	536.4	536.4	536.4
2.5°	543.5	536.4	540.0	536.4	529.3
5°	543.5	536.4	540.0	536.4	532.9
7.5°	540.0	536.4	536.4	532.9	532.9
10°	540.0	532.9	536.4	532.9	529.3
12.5°	532.9	529.3	532.9	529.3	529.3
15°	525.8	522.2	525.8	525.8	525.8
17.5°	522.2	515.1	522.2	522.2	518.7
20°	511.6	508.0	515.1	515.1	515.1
22.5°	504.5	500.9	508.0	508.0	508.0
25°	497.4	490.3	500.9	500.9	500.9
27.5°	483.2	483.2	490.3	493.8	490.3
30°	472.5	468.9	479.6	483.2	479.6
32.5°	461.8	458.3	468.9	472.5	468.9
35°	447.6	447.6	454.7	458.3	458.3
37.5°	433.4	433.4	440.5	444.1	458.3
40°	419.2	419.2	426.3	447.6	461.8
42.5°	401.4	401.4	412.1	444.1	461.8
45°	383.7	387.2	394.3	444.1	461.8
47.5°	369.5	369.5	387.2	440.5	454.7
50°	344.6	351.7	380.1	429.9	440.5
52.5°	326.8	330.4	369.5	412.1	412.1
55°	305.5	309.1	362.4	383.7	383.7
57.5°	284.2	287.8	344.6	351.7	351.7
60°	262.9	266.4	323.3	323.3	323.3
62.5°	238.0	245.1	291.3	294.9	294.9
65°	216.7	227.4	259.3	262.9	262.9
67.5°	191.8	209.6	230.9	234.5	234.5
70°	170.5	191.8	198.9	202.5	202.5
72.5°	145.7	167.0	170.5	174.1	174.1
75°	120.8	142.1	142.1	145.7	145.7
77.5°	95.9	113.7	117.2	117.2	117.2
80°	74.6	85.3	92.4	88.8	88.8
82.5°	53.3	67.5	67.5	67.5	63.9
85°	35.5	56.8	49.7	46.2	42.6
87.5°	21.3	49.7	28.4	24.9	24.9
90°	7.1	21.3	17.8	3.6	3.6
92.5°	14.2	35.5	17.8	14.2	10.7
95°	28.4	142.1	170.5	35.5	35.5
97.5°	53.3	238.0	365.9	433.4	465.4
100°	81.7	355.3	490.3	600.4	639.5
102.5°	117.2	429.9	603.9	742.5	799.3
105°	156.3	504.5	763.8	881.0	952.1
107.5°	195.4	561.3	888.1	1019.6	1069.3
110°	241.6	607.5	966.3	1193.7	1207.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	284.2	643.0	1008.9	1278.9	1357.1
115°	323.3	682.1	1072.9	1328.7	1410.4
117.5°	369.5	710.5	1112.0	1357.1	1445.9
120°	412.1	735.4	1140.4	1392.6	1456.6
122.5°	451.2	763.8	1161.7	1421.0	1492.1
125°	486.7	788.7	1175.9	1431.7	1502.7
127.5°	522.2	810.0	1179.5	1435.2	1509.8
130°	561.3	831.3	1186.6	1431.7	1506.3
132.5°	600.4	852.6	1183.0	1421.0	1488.5
135°	628.8	866.8	1175.9	1406.8	1467.2
137.5°	657.2	877.5	1168.8	1385.5	1442.3
140°	682.1	884.6	1158.1	1360.6	1413.9
142.5°	710.5	888.1	1151.0	1335.8	1382.0
145°	735.4	888.1	1140.4	1307.3	1350.0
147.5°	760.3	884.6	1126.2	1278.9	1314.5
150°	778.0	877.5	1112.0	1250.5	1278.9
152.5°	792.2	870.4	1094.2	1218.5	1247.0
155°	810.0	866.8	1072.9	1190.1	1211.4
157.5°	824.2	866.8	1048.0	1158.1	1179.5
160°	838.4	866.8	1019.6	1126.2	1143.9
162.5°	856.2	866.8	980.5	1080.0	1097.7
165°	873.9	870.4	952.1	1033.8	1048.0
167.5°	884.6	870.4	923.7	977.0	991.2
170°	891.7	877.5	898.8	937.9	941.4
172.5°	895.2	884.6	881.0	898.8	898.8
175°	895.2	884.6	881.0	881.0	873.9
177.5°	895.2	888.1	888.1	884.6	873.9
180°	888.1	888.1	888.1	888.1	888.1

(END OF REPORT)