

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: P275163

Luminaire Tested: **J3-FL-80L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275163
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-FL-80L92765-1D-UNV-W2A-W-4 (4500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6932.6 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

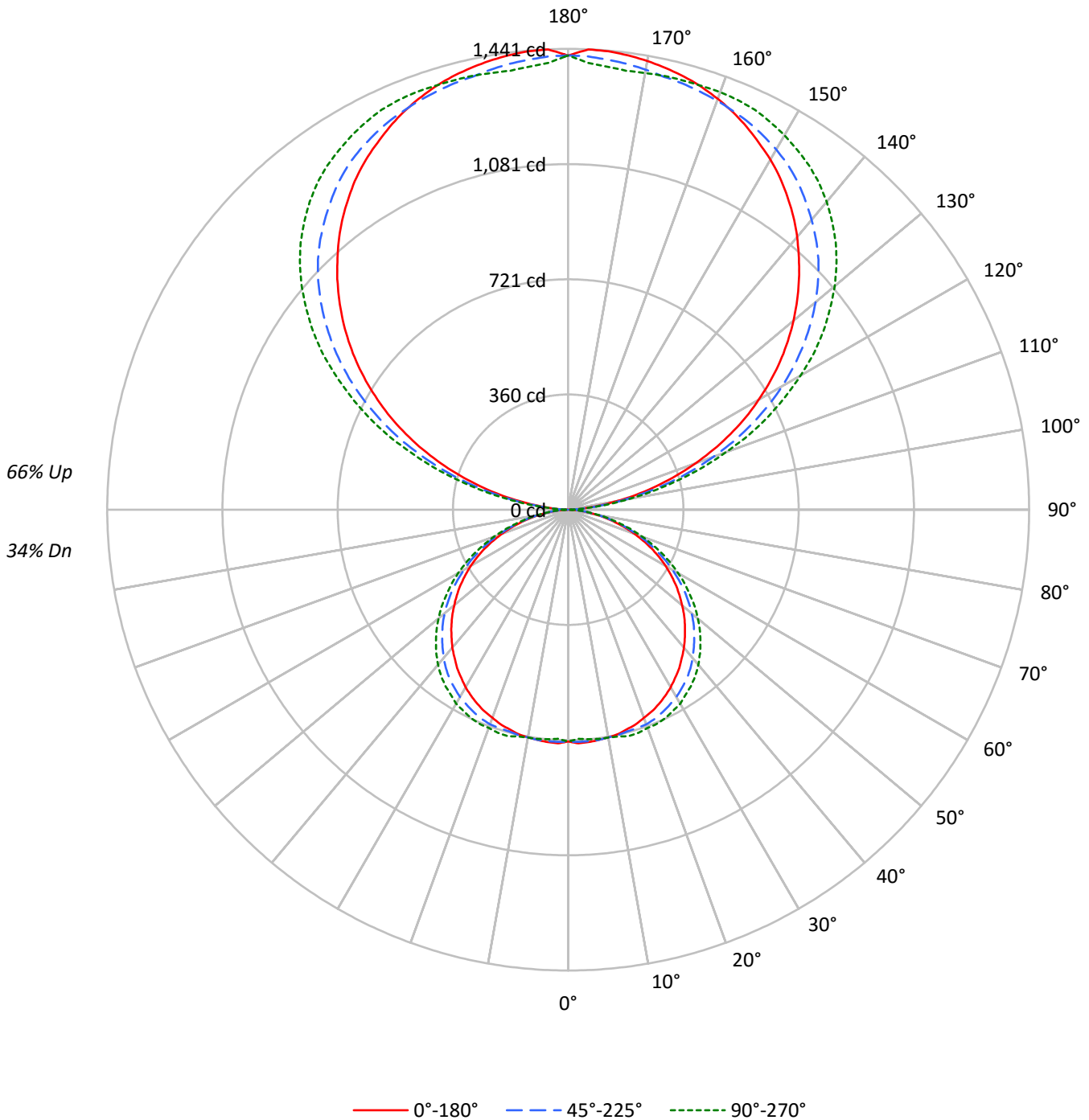
Input Watts (W): 63.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	94	90	86	82	85	81	78	75	65	62	60	50	48	47	36	35	34	28
2	85	78	72	67	77	71	65	61	56	53	50	43	41	39	31	30	29	23
3	78	68	61	55	70	62	56	51	50	45	41	38	35	33	28	26	24	19
4	71	60	52	47	64	55	48	43	44	39	35	34	30	28	25	22	21	16
5	65	53	45	40	58	48	42	36	39	34	30	30	27	24	22	20	18	14
6	60	48	40	34	53	43	36	31	35	30	26	27	23	21	20	17	15	12
7	55	43	35	30	49	39	32	27	32	26	23	25	21	18	18	16	14	11
8	51	39	31	26	46	35	29	24	29	24	20	22	19	16	16	14	12	10
9	47	35	28	23	43	32	26	21	26	21	18	20	17	14	15	13	11	9
10	44	32	25	20	40	29	23	19	24	19	16	19	15	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5852	5852	5852
5°	5913	5887	5836
10°	5928	5928	5928
15°	5941	5993	6125
20°	5947	6135	6241
25°	5973	6223	6403
30°	5975	6308	6528
35°	5963	6362	6609
40°	5936	6377	6671
45°	5897	6358	6678
50°	5841	6331	6644
55°	5779	6242	6546
60°	5674	6079	6405
65°	5496	5851	6183
70°	5179	5511	5799
75°	4754	5050	5290
80°	4128	4412	4565
85°	3307	3436	3612



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.2	1.0
10°-20°	203.4	2.9
20°-30°	320.3	4.6
30°-40°	400.2	5.8
40°-50°	426.6	6.2
50°-60°	393.4	5.7
60°-70°	302.1	4.4
70°-80°	171.2	2.5
80°-90°	45.1	0.7
90°-100°	72.7	1.0
100°-110°	342.0	4.9
110°-120°	619.9	8.9
120°-130°	796.3	11.5
130°-140°	847.1	12.2
140°-150°	779.5	11.2
150°-160°	617.2	8.9
160°-170°	391.8	5.7
170°-180°	134.4	1.9
0°-30°	592.9	8.6
0°-40°	993.1	14.3
0°-60°	1813.2	26.2
0°-90°	2331.6	33.6
90°-120°	1034.6	14.9
90°-150°	3457.5	49.9
90°-180°	4601.0	66.4
0°-180°	6932.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	725	725	725	725	725	
5°	730	723	726	725	720	69
15°	711	708	717	730	733	201
25°	671	672	699	713	719	309
35°	605	616	646	661	671	378
45°	516	530	557	574	585	398
55°	411	423	444	458	465	366
65°	288	294	306	317	324	284
75°	152	156	162	168	170	162
85°	36	37	37	39	39	40
90°	2	2	2	0	0	5
95°	48	50	54	58	61	62
105°	286	299	327	347	356	303
115°	560	584	633	672	691	552
125°	809	834	898	947	974	722
135°	1021	1036	1106	1154	1182	787
145°	1195	1190	1251	1290	1313	748
155°	1321	1302	1336	1364	1380	609
165°	1402	1380	1380	1384	1389	396
175°	1439	1422	1412	1402	1391	137
180°	1420	1420	1420	1420	1420	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	724.9	724.9	724.9	724.9	724.9
2.5°	731.2	724.9	726.5	726.5	717.1
5°	729.6	723.2	726.5	724.9	720.2
7.5°	726.5	721.8	726.5	726.5	723.2
10°	723.2	718.8	723.2	724.9	723.2
12.5°	718.8	714.1	721.8	724.9	726.5
15°	710.8	707.7	717.1	729.6	732.9
17.5°	703.3	701.6	715.7	729.6	731.2
20°	692.2	692.2	714.1	724.9	726.5
22.5°	683.1	683.1	707.7	718.8	724.9
25°	670.6	672.0	698.6	712.7	718.8
27.5°	656.5	661.2	687.5	703.3	709.4
30°	641.0	648.8	676.7	692.2	700.3
32.5°	622.5	633.0	661.2	676.7	684.5
35°	605.1	616.1	645.5	661.2	670.6
37.5°	583.5	597.3	626.9	642.4	653.5
40°	563.3	577.4	605.1	622.5	633.0
42.5°	539.8	555.3	581.8	599.0	609.8
45°	516.5	530.4	556.9	574.1	584.9
47.5°	491.6	505.8	532.3	547.8	558.3
50°	465.1	480.6	504.1	519.6	529.0
52.5°	438.5	452.6	474.5	490.3	499.4
55°	410.6	423.0	443.5	457.6	465.1
57.5°	381.0	393.4	410.6	424.7	432.4
60°	351.4	360.8	376.5	390.4	396.7
62.5°	320.4	328.4	342.2	353.3	360.8
65°	287.7	294.1	306.3	317.3	323.7
67.5°	253.7	259.8	270.6	280.0	284.7
70°	219.4	225.5	233.5	241.0	245.7
72.5°	186.5	189.8	197.5	203.9	206.9
75°	152.4	155.5	161.9	167.9	169.6
77.5°	121.5	122.8	127.8	130.9	132.2
80°	88.8	91.9	94.9	96.3	98.2
82.5°	60.6	62.3	63.6	65.3	66.7
85°	35.7	37.1	37.1	39.0	39.0
87.5°	15.5	17.2	17.2	17.2	17.2
90°	1.7	1.7	1.7	0.0	0.0
92.5°	15.5	15.5	17.2	18.5	20.2
95°	48.1	49.8	54.5	57.5	60.6
97.5°	96.3	99.6	108.7	116.8	119.8
100°	155.5	161.9	176.0	186.5	191.5
102.5°	219.4	228.5	249.0	264.5	272.2
105°	286.4	298.8	326.7	346.9	356.4
107.5°	354.7	370.5	406.2	429.4	441.8
110°	423.0	443.5	482.2	513.2	522.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	491.6	513.2	560.0	594.3	611.4
115°	560.0	583.5	633.0	672.0	690.8
117.5°	625.6	650.2	704.7	748.4	765.3
120°	687.5	714.1	773.3	818.4	838.6
122.5°	749.8	775.0	836.9	885.1	910.2
125°	809.0	833.9	897.8	947.3	973.9
127.5°	865.1	888.1	955.3	1006.5	1031.4
130°	919.4	941.2	1009.6	1059.6	1087.6
132.5°	970.8	991.0	1059.6	1107.8	1137.4
135°	1020.6	1036.1	1106.1	1154.3	1182.5
137.5°	1067.1	1078.2	1146.8	1194.9	1221.5
140°	1113.9	1117.2	1183.9	1229.0	1256.9
142.5°	1155.9	1154.3	1218.2	1261.6	1288.2
145°	1194.9	1190.2	1250.8	1289.6	1313.1
147.5°	1232.0	1221.5	1278.8	1311.7	1333.3
150°	1264.7	1250.8	1300.6	1333.3	1351.8
152.5°	1292.6	1277.1	1319.2	1348.8	1367.3
155°	1320.8	1302.3	1336.3	1364.3	1380.0
157.5°	1345.7	1322.2	1348.8	1373.7	1386.4
160°	1367.3	1344.3	1361.2	1380.0	1389.4
162.5°	1386.4	1362.9	1370.6	1381.4	1389.4
165°	1401.9	1380.0	1380.0	1384.5	1389.4
167.5°	1414.1	1395.5	1386.4	1387.8	1389.4
170°	1425.1	1406.3	1396.9	1387.8	1386.4
172.5°	1432.9	1414.1	1406.3	1393.9	1384.5
175°	1439.0	1422.1	1412.4	1401.9	1390.8
177.5°	1440.6	1426.5	1418.8	1408.0	1398.6
180°	1420.4	1420.4	1420.4	1420.4	1420.4

(END OF REPORT)