

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: P275164

Luminaire Tested: **J3-FL-80L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275164
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 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7070.4 lumens
Efficiency: N/A
Efficacy: 111.0 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

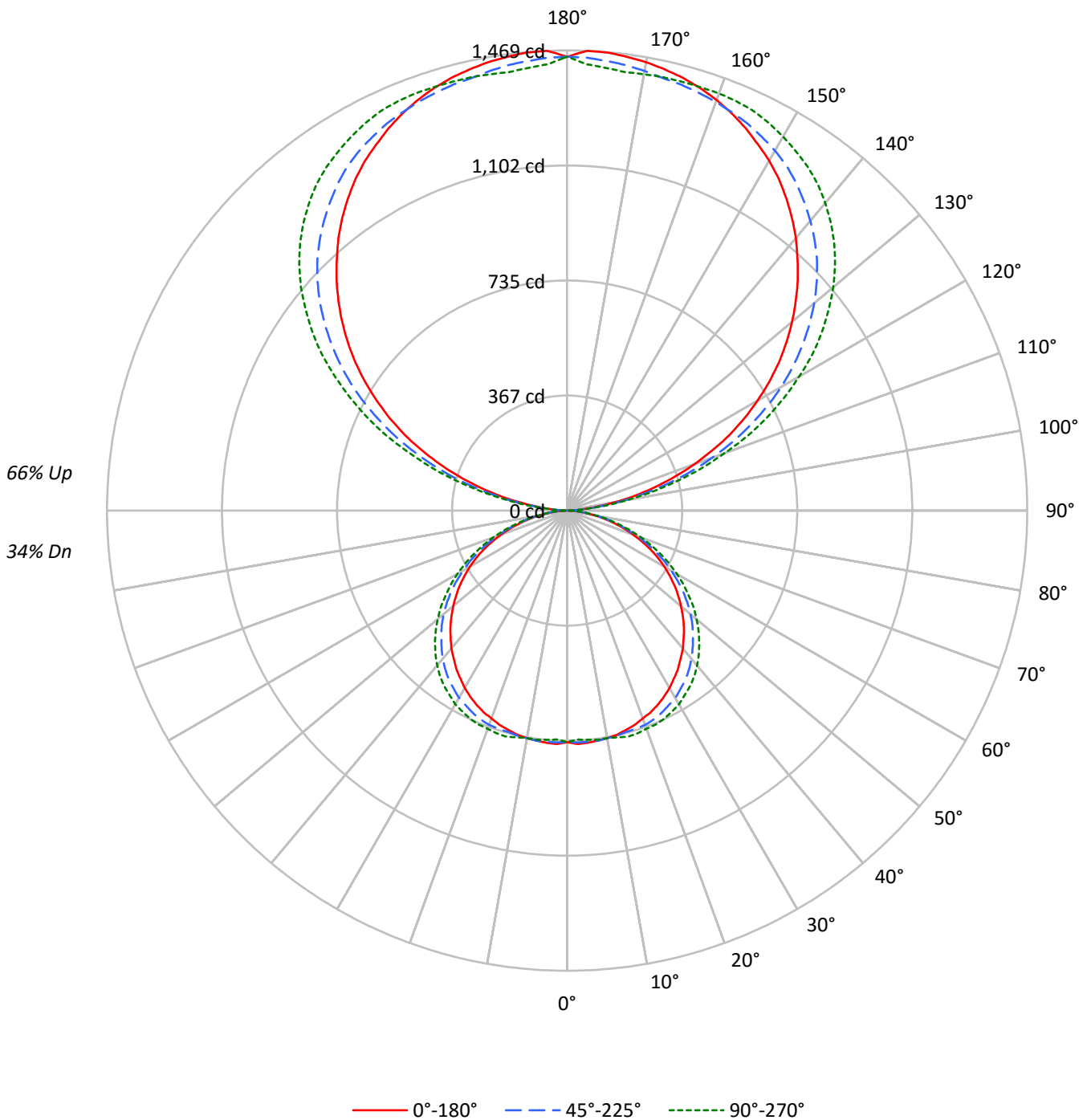
Input Watts (W): 63.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5968	5968	5968
5°	6030	6005	5952
10°	6046	6046	6046
15°	6059	6113	6247
20°	6065	6257	6366
25°	6093	6347	6530
30°	6095	6434	6658
35°	6082	6488	6741
40°	6054	6503	6804
45°	6014	6485	6810
50°	5957	6457	6776
55°	5893	6366	6676
60°	5787	6200	6533
65°	5606	5968	6306
70°	5283	5620	5915
75°	4850	5150	5396
80°	4212	4500	4658
85°	3372	3501	3687



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.5	1.0
10°-20°	207.4	2.9
20°-30°	326.7	4.6
30°-40°	408.2	5.8
40°-50°	435.1	6.2
50°-60°	401.2	5.7
60°-70°	308.1	4.4
70°-80°	174.6	2.5
80°-90°	46.0	0.7
90°-100°	74.1	1.0
100°-110°	348.8	4.9
110°-120°	632.2	8.9
120°-130°	812.1	11.5
130°-140°	863.9	12.2
140°-150°	795.0	11.2
150°-160°	629.5	8.9
160°-170°	399.6	5.7
170°-180°	137.1	1.9
0°-30°	604.7	8.6
0°-40°	1012.9	14.3
0°-60°	1849.2	26.2
0°-90°	2378.0	33.6
90°-120°	1055.2	14.9
90°-150°	3526.2	49.9
90°-180°	4692.0	66.4
0°-180°	7070.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	739	739	739	739	739	
5°	744	738	741	739	734	71
15°	725	722	731	744	748	205
25°	684	685	712	727	733	315
35°	617	628	658	674	684	386
45°	527	541	568	586	596	406
55°	419	431	452	467	474	374
65°	294	300	312	324	330	289
75°	156	159	165	171	173	165
85°	36	38	38	40	40	41
90°	2	2	2	0	0	5
95°	49	51	56	59	62	64
105°	292	305	333	354	363	309
115°	571	595	646	685	705	563
125°	825	850	916	966	993	736
135°	1041	1057	1128	1177	1206	803
145°	1219	1214	1276	1315	1339	762
155°	1347	1328	1363	1391	1407	621
165°	1430	1407	1407	1412	1417	404
175°	1468	1450	1440	1430	1418	140
180°	1449	1449	1449	1449	1449	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	739.3	739.3	739.3	739.3	739.3
2.5°	745.8	739.3	741.0	741.0	731.4
5°	744.1	737.6	741.0	739.3	734.5
7.5°	741.0	736.2	741.0	741.0	737.6
10°	737.6	733.1	737.6	739.3	737.6
12.5°	733.1	728.3	736.2	739.3	741.0
15°	724.9	721.8	731.4	744.1	747.5
17.5°	717.3	715.6	730.0	744.1	745.8
20°	706.0	706.0	728.3	739.3	741.0
22.5°	696.7	696.7	721.8	733.1	739.3
25°	684.0	685.4	712.5	726.9	733.1
27.5°	669.6	674.4	701.2	717.3	723.5
30°	653.8	661.7	690.2	706.0	714.2
32.5°	634.9	645.6	674.4	690.2	698.1
35°	617.1	628.4	658.3	674.4	684.0
37.5°	595.1	609.2	639.4	655.2	666.5
40°	574.5	588.9	617.1	634.9	645.6
42.5°	550.5	566.3	593.4	610.9	621.9
45°	526.8	540.9	568.0	585.5	596.5
47.5°	501.4	515.8	542.9	558.7	569.4
50°	474.3	490.1	514.1	529.9	539.5
52.5°	447.2	461.6	483.9	500.0	509.3
55°	418.7	431.4	452.3	466.7	474.3
57.5°	388.5	401.2	418.7	433.1	441.0
60°	358.4	367.9	384.0	398.1	404.6
62.5°	326.7	334.9	349.0	360.3	367.9
65°	293.5	299.9	312.4	323.6	330.1
67.5°	258.7	265.0	276.0	285.6	290.3
70°	223.8	230.0	238.1	245.8	250.6
72.5°	190.2	193.6	201.5	208.0	211.1
75°	155.5	158.6	165.1	171.3	173.0
77.5°	123.9	125.3	130.4	133.5	134.9
80°	90.6	93.7	96.8	98.2	100.2
82.5°	61.8	63.5	64.9	66.6	68.0
85°	36.4	37.8	37.8	39.8	39.8
87.5°	15.8	17.5	17.5	17.5	17.5
90°	1.7	1.7	1.7	0.0	0.0
92.5°	15.8	15.8	17.5	18.9	20.6
95°	49.1	50.8	55.6	58.7	61.8
97.5°	98.2	101.6	110.9	119.1	122.2
100°	158.6	165.1	179.5	190.2	195.3
102.5°	223.8	233.1	254.0	269.8	277.7
105°	292.0	304.7	333.2	353.8	363.4
107.5°	361.7	377.8	414.2	437.9	450.6
110°	431.4	452.3	491.8	523.4	533.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	501.4	523.4	571.1	606.1	623.6
115°	571.1	595.1	645.6	685.4	704.6
117.5°	638.0	663.1	718.7	763.3	780.5
120°	701.2	728.3	788.7	834.7	855.2
122.5°	764.7	790.3	853.6	902.7	928.3
125°	825.1	850.5	915.6	966.1	993.2
127.5°	882.3	905.8	974.3	1026.5	1051.9
130°	937.6	959.9	1029.6	1080.7	1109.2
132.5°	990.1	1010.7	1080.7	1129.8	1160.0
135°	1040.9	1056.7	1128.1	1177.2	1206.0
137.5°	1088.3	1099.6	1169.6	1218.7	1245.8
140°	1136.0	1139.4	1207.4	1253.4	1281.9
142.5°	1178.9	1177.2	1242.4	1286.7	1313.8
145°	1218.7	1213.9	1275.7	1315.2	1339.2
147.5°	1256.5	1245.8	1304.2	1337.8	1359.8
150°	1289.8	1275.7	1326.5	1359.8	1378.7
152.5°	1318.3	1302.5	1345.4	1375.6	1394.5
155°	1347.1	1328.2	1362.9	1391.4	1407.4
157.5°	1372.5	1348.5	1375.6	1401.0	1413.9
160°	1394.5	1371.0	1388.3	1407.4	1417.0
162.5°	1413.9	1390.0	1397.9	1408.9	1417.0
165°	1429.7	1407.4	1407.4	1412.0	1417.0
167.5°	1442.2	1423.3	1413.9	1415.3	1417.0
170°	1453.4	1434.3	1424.7	1415.3	1413.9
172.5°	1461.3	1442.2	1434.3	1421.6	1412.0
175°	1467.6	1450.3	1440.5	1429.7	1418.5
177.5°	1469.2	1454.9	1447.0	1435.9	1426.4
180°	1448.6	1448.6	1448.6	1448.6	1448.6

(END OF REPORT)