

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: P275060

Luminaire Tested: **J3-CL-80L82765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275060
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 (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: 7875.8 lumens
Efficiency: N/A
Efficacy: 123.6 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

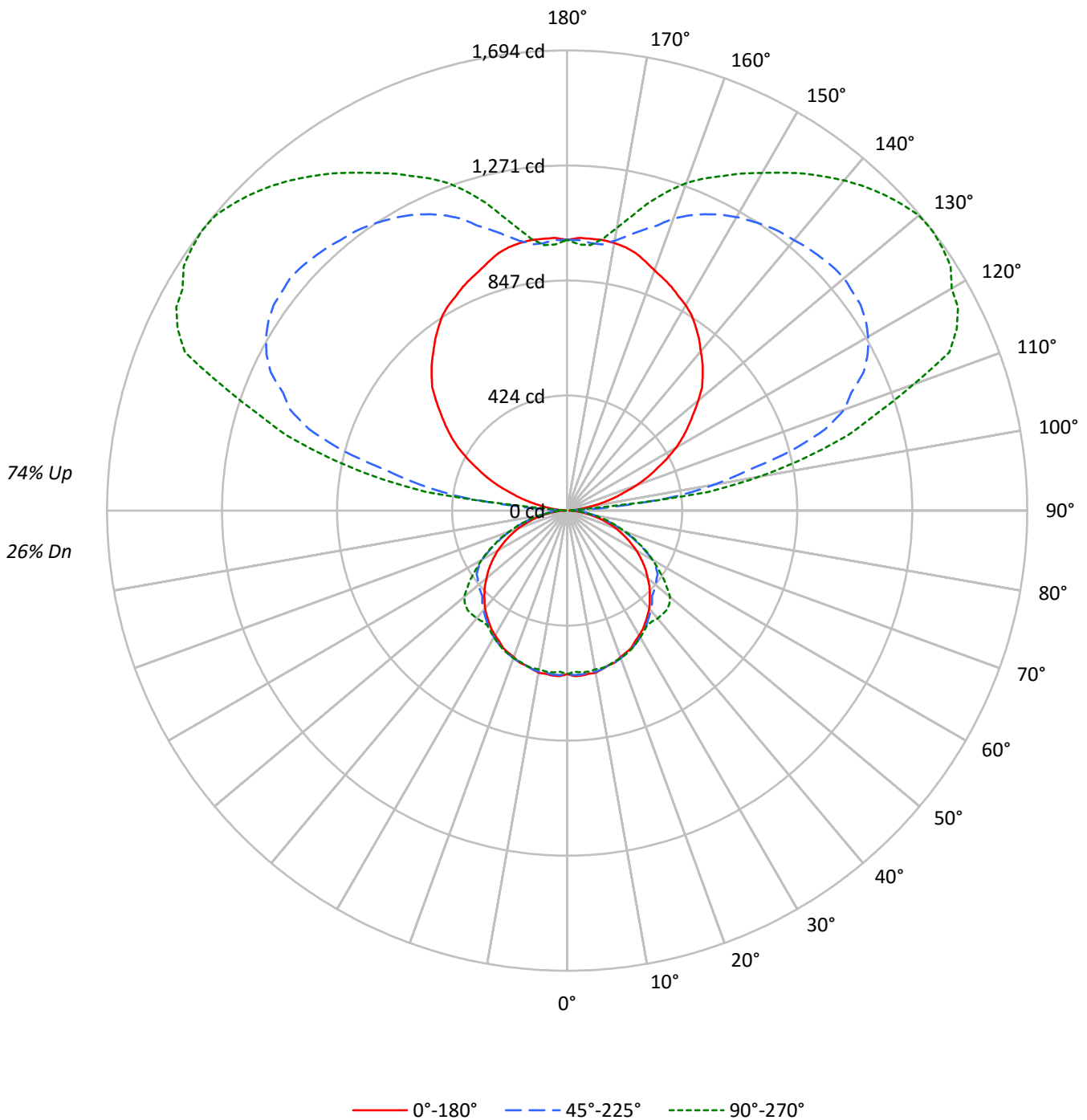
Input Watts (W): 63.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	4859	4859	4859
5°	4942	4910	4845
10°	4967	4934	4868
15°	4930	4930	4930
20°	4931	4966	4966
25°	4970	5006	5006
30°	4942	5016	5016
35°	4949	5028	5068
40°	4956	5041	5461
45°	4915	5051	5916
50°	4855	5357	6208
55°	4825	5723	6059
60°	4763	5856	5856
65°	4644	5559	5635
70°	4515	5268	5363
75°	4226	4972	5097
80°	3891	4816	4635
85°	3696	5169	4428



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.4	0.7
10°-20°	166.6	2.1
20°-30°	257.4	3.3
30°-40°	319.3	4.1
40°-50°	357.3	4.5
50°-60°	349.2	4.4
60°-70°	275.5	3.5
70°-80°	166.7	2.1
80°-90°	59.3	0.8
90°-100°	204.6	2.6
100°-110°	791.1	10.0
110°-120°	1087.2	13.8
120°-130°	1099.9	14.0
130°-140°	974.8	12.4
140°-150°	771.0	9.8
150°-160°	538.3	6.8
160°-170°	304.6	3.9
170°-180°	95.5	1.2
0°-30°	481.4	6.1
0°-40°	800.7	10.2
0°-60°	1507.2	19.1
0°-90°	2008.7	25.5
90°-120°	2082.9	26.4
90°-150°	4928.6	62.6
90°-180°	5867.0	74.5
0°-180°	7875.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	602	602	602	602	602	
5°	610	602	606	602	598	58
15°	590	586	590	590	590	167
25°	558	550	562	562	562	256
35°	502	502	510	514	514	314
45°	430	434	442	498	518	332
55°	343	347	407	430	430	306
65°	243	255	291	295	295	240
75°	136	159	159	163	163	143
85°	40	64	56	52	48	42
90°	8	24	20	4	4	8
95°	32	159	191	40	40	40
105°	175	566	857	988	1068	186
115°	363	765	1204	1491	1582	362
125°	546	885	1319	1606	1686	489
135°	706	973	1319	1578	1646	543
145°	825	996	1280	1467	1515	516
155°	909	973	1204	1335	1359	419
165°	981	977	1068	1160	1176	276
175°	1004	992	988	988	981	96
180°	996	996	996	996	996	



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CATALOG NUMBER: J3-CL-80L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	601.9	601.9	601.9	601.9	601.9
2.5°	609.9	601.9	605.9	601.9	593.9
5°	609.9	601.9	605.9	601.9	597.9
7.5°	605.9	601.9	601.9	597.9	597.9
10°	605.9	597.9	601.9	597.9	593.9
12.5°	597.9	593.9	597.9	593.9	593.9
15°	589.9	585.9	589.9	589.9	589.9
17.5°	585.9	578.0	585.9	585.9	582.0
20°	574.0	570.0	578.0	578.0	578.0
22.5°	566.0	562.0	570.0	570.0	570.0
25°	558.0	550.1	562.0	562.0	562.0
27.5°	542.1	542.1	550.1	554.1	550.1
30°	530.1	526.2	538.1	542.1	538.1
32.5°	518.2	514.2	526.2	530.1	526.2
35°	502.2	502.2	510.2	514.2	514.2
37.5°	486.3	486.3	494.3	498.3	514.2
40°	470.3	470.3	478.3	502.2	518.2
42.5°	450.4	450.4	462.4	498.3	518.2
45°	430.5	434.5	442.4	498.3	518.2
47.5°	410.6	414.5	434.5	494.3	510.2
50°	386.6	394.6	426.5	482.3	494.3
52.5°	366.7	370.7	414.5	462.4	462.4
55°	342.8	346.8	406.6	430.5	430.5
57.5°	318.9	322.9	386.6	394.6	394.6
60°	295.0	299.0	362.7	362.7	362.7
62.5°	267.1	275.0	326.9	330.8	330.8
65°	243.1	255.1	291.0	295.0	295.0
67.5°	215.2	235.2	259.1	263.1	263.1
70°	191.3	215.2	223.2	227.2	227.2
72.5°	163.4	187.3	191.3	195.3	195.3
75°	135.5	159.4	159.4	163.4	163.4
77.5°	107.6	127.6	131.5	131.5	131.5
80°	83.7	95.7	103.6	99.7	99.7
82.5°	59.8	75.7	75.7	75.7	71.7
85°	39.9	63.8	55.8	51.8	47.8
87.5°	23.9	55.8	31.9	27.9	27.9
90°	8.0	23.9	19.9	4.0	4.0
92.5°	15.9	39.9	19.9	15.9	12.0
95°	31.9	159.4	191.3	39.9	39.9
97.5°	59.8	267.1	410.6	486.3	522.2
100°	91.7	398.6	550.1	673.6	717.5
102.5°	131.5	482.3	677.6	833.1	896.9
105°	175.4	566.0	857.0	988.5	1068.2
107.5°	219.2	629.8	996.5	1144.0	1199.8
110°	271.0	681.6	1084.2	1339.3	1355.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	318.9	721.5	1132.0	1435.0	1522.7
115°	362.7	765.3	1203.8	1490.8	1582.4
117.5°	414.5	797.2	1247.6	1522.7	1622.3
120°	462.4	825.1	1279.5	1562.5	1634.3
122.5°	506.2	857.0	1303.4	1594.4	1674.1
125°	546.1	884.9	1319.4	1606.4	1686.1
127.5°	585.9	908.8	1323.4	1610.3	1694.1
130°	629.8	932.7	1331.3	1606.4	1690.1
132.5°	673.6	956.6	1327.3	1594.4	1670.1
135°	705.5	972.6	1319.4	1578.5	1646.2
137.5°	737.4	984.5	1311.4	1554.5	1618.3
140°	765.3	992.5	1299.4	1526.6	1586.4
142.5°	797.2	996.5	1291.5	1498.7	1550.6
145°	825.1	996.5	1279.5	1466.8	1514.7
147.5°	853.0	992.5	1263.6	1435.0	1474.8
150°	872.9	984.5	1247.6	1403.1	1435.0
152.5°	888.9	976.6	1227.7	1367.2	1399.1
155°	908.8	972.6	1203.8	1335.3	1359.2
157.5°	924.8	972.6	1175.9	1299.4	1323.4
160°	940.7	972.6	1144.0	1263.6	1283.5
162.5°	960.6	972.6	1100.1	1211.7	1231.7
165°	980.6	976.6	1068.2	1159.9	1175.9
167.5°	992.5	976.6	1036.4	1096.2	1112.1
170°	1000.5	984.5	1008.5	1052.3	1056.3
172.5°	1004.5	992.5	988.5	1008.5	1008.5
175°	1004.5	992.5	988.5	988.5	980.6
177.5°	1004.5	996.5	996.5	992.5	980.6
180°	996.5	996.5	996.5	996.5	996.5

(END OF REPORT)