

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: P253336

Luminaire Tested: **J3-CL-80L840-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253336
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-80L840-1D-UNV-STD-W-4
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
Light Source: (224) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7763.7 lumens
Efficiency: N/A
Efficacy: 135.7 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

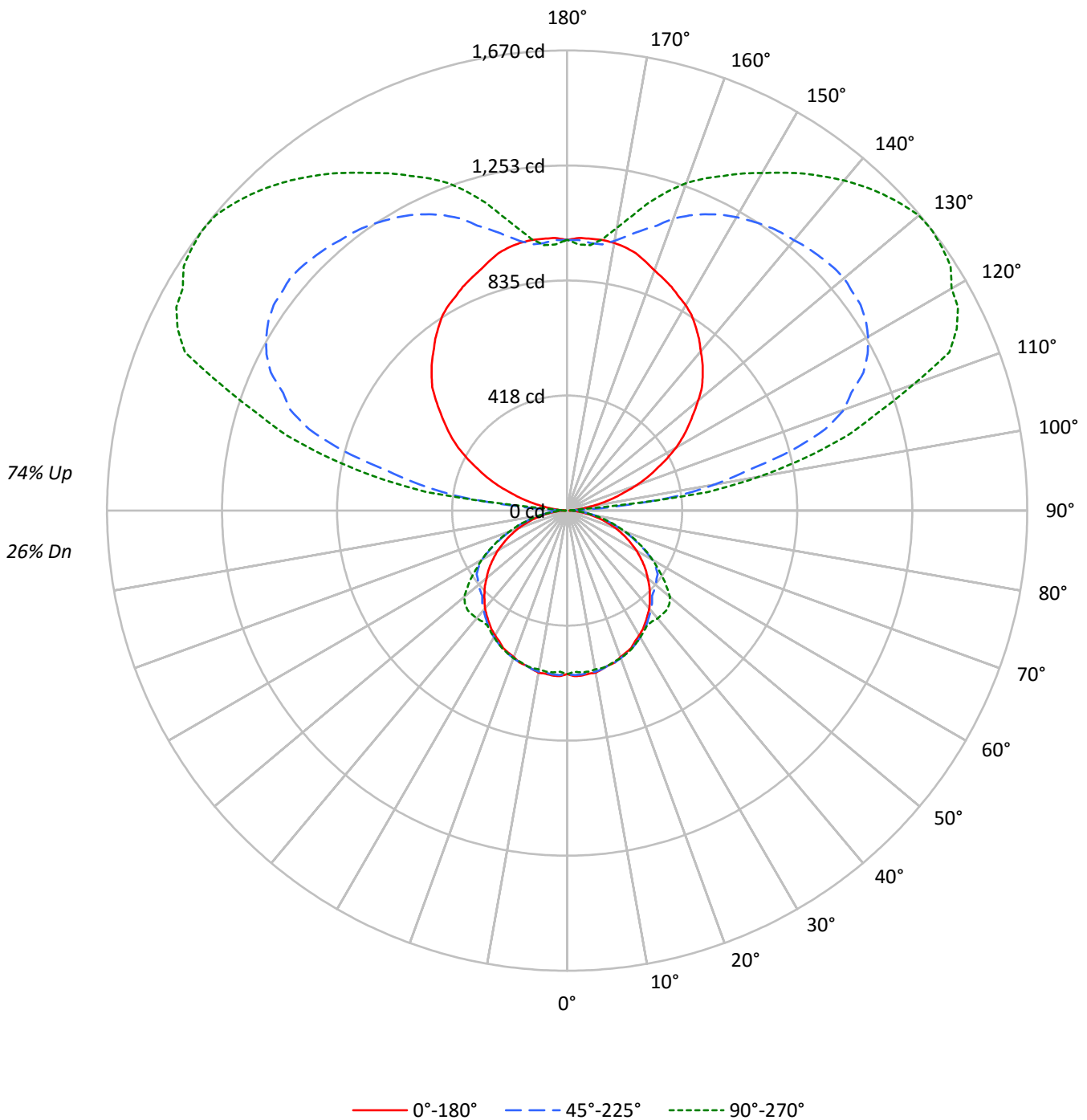
Input Watts (W): 57.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4790	4790	4790
5°	4872	4840	4776
10°	4896	4864	4800
15°	4860	4860	4860
20°	4861	4894	4894
25°	4900	4935	4935
30°	4872	4945	4945
35°	4879	4956	4996
40°	4887	4969	5383
45°	4845	4979	5832
50°	4786	5280	6119
55°	4756	5641	5973
60°	4695	5774	5774
65°	4579	5479	5555
70°	4452	5193	5287
75°	4167	4903	5025
80°	3835	4751	4565
85°	3640	5094	4372



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.6	0.7
10°-20°	164.2	2.1
20°-30°	253.8	3.3
30°-40°	314.8	4.1
40°-50°	352.2	4.5
50°-60°	344.2	4.4
60°-70°	271.5	3.5
70°-80°	164.3	2.1
80°-90°	58.5	0.8
90°-100°	201.7	2.6
100°-110°	779.9	10.0
110°-120°	1071.7	13.8
120°-130°	1084.2	14.0
130°-140°	960.9	12.4
140°-150°	760.0	9.8
150°-160°	530.6	6.8
160°-170°	300.3	3.9
170°-180°	94.1	1.2
0°-30°	474.6	6.1
0°-40°	789.4	10.2
0°-60°	1485.8	19.1
0°-90°	1980.2	25.5
90°-120°	2053.2	26.4
90°-150°	4858.4	62.6
90°-180°	5783.0	74.5
0°-180°	7763.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	593	593	593	593	593	
5°	601	593	597	593	589	57
15°	582	578	582	582	582	165
25°	550	542	554	554	554	252
35°	495	495	503	507	507	310
45°	424	428	436	491	511	327
55°	338	342	401	424	424	302
65°	240	252	287	291	291	236
75°	134	157	157	161	161	141
85°	39	63	55	51	47	41
90°	8	24	20	4	4	8
95°	31	157	189	39	39	39
105°	173	558	845	974	1053	184
115°	358	754	1187	1470	1560	357
125°	538	872	1301	1584	1662	482
135°	696	959	1301	1556	1623	536
145°	813	982	1261	1446	1493	509
155°	896	959	1187	1316	1340	413
165°	967	963	1053	1143	1159	272
175°	990	978	974	974	967	94
180°	982	982	982	982	982	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	593.3	593.3	593.3	593.3	593.3
2.5°	601.2	593.3	597.2	593.3	585.5
5°	601.2	593.3	597.2	593.3	589.4
7.5°	597.2	593.3	593.3	589.4	589.4
10°	597.2	589.4	593.3	589.4	585.5
12.5°	589.4	585.5	589.4	585.5	585.5
15°	581.5	577.6	581.5	581.5	581.5
17.5°	577.6	569.7	577.6	577.6	573.7
20°	565.8	561.9	569.7	569.7	569.7
22.5°	558.0	554.0	561.9	561.9	561.9
25°	550.1	542.2	554.0	554.0	554.0
27.5°	534.4	534.4	542.2	546.2	542.2
30°	522.6	518.7	530.5	534.4	530.5
32.5°	510.8	506.9	518.7	522.6	518.7
35°	495.1	495.1	502.9	506.9	506.9
37.5°	479.4	479.4	487.2	491.2	506.9
40°	463.7	463.7	471.5	495.1	510.8
42.5°	444.0	444.0	455.8	491.2	510.8
45°	424.4	428.3	436.1	491.2	510.8
47.5°	404.7	408.6	428.3	487.2	502.9
50°	381.1	389.0	420.4	475.4	487.2
52.5°	361.5	365.4	408.6	455.8	455.8
55°	337.9	341.8	400.8	424.4	424.4
57.5°	314.3	318.3	381.1	389.0	389.0
60°	290.8	294.7	357.6	357.6	357.6
62.5°	263.3	271.1	322.2	326.1	326.1
65°	239.7	251.5	286.8	290.8	290.8
67.5°	212.2	231.8	255.4	259.3	259.3
70°	188.6	212.2	220.0	224.0	224.0
72.5°	161.1	184.7	188.6	192.5	192.5
75°	133.6	157.2	157.2	161.1	161.1
77.5°	106.1	125.7	129.7	129.7	129.7
80°	82.5	94.3	102.2	98.2	98.2
82.5°	58.9	74.7	74.7	74.7	70.7
85°	39.3	62.9	55.0	51.1	47.2
87.5°	23.6	55.0	31.4	27.5	27.5
90°	7.9	23.6	19.6	3.9	3.9
92.5°	15.7	39.3	19.6	15.7	11.8
95°	31.4	157.2	188.6	39.3	39.3
97.5°	58.9	263.3	404.7	479.4	514.7
100°	90.4	392.9	542.2	664.0	707.3
102.5°	129.7	475.4	668.0	821.2	884.1
105°	172.9	558.0	844.8	974.5	1053.0
107.5°	216.1	620.8	982.3	1127.7	1182.7
110°	267.2	671.9	1068.8	1320.2	1335.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	314.3	711.2	1115.9	1414.5	1501.0
115°	357.6	754.4	1186.6	1469.5	1559.9
117.5°	408.6	785.9	1229.9	1501.0	1599.2
120°	455.8	813.4	1261.3	1540.3	1611.0
122.5°	499.0	844.8	1284.9	1571.7	1650.3
125°	538.3	872.3	1300.6	1583.5	1662.1
127.5°	577.6	895.9	1304.5	1587.4	1669.9
130°	620.8	919.4	1312.4	1583.5	1666.0
132.5°	664.0	943.0	1308.4	1571.7	1646.4
135°	695.5	958.7	1300.6	1556.0	1622.8
137.5°	726.9	970.5	1292.7	1532.4	1595.3
140°	754.4	978.4	1280.9	1504.9	1563.8
142.5°	785.9	982.3	1273.1	1477.4	1528.5
145°	813.4	982.3	1261.3	1446.0	1493.1
147.5°	840.9	978.4	1245.6	1414.5	1453.8
150°	860.5	970.5	1229.9	1383.1	1414.5
152.5°	876.2	962.7	1210.2	1347.7	1379.2
155°	895.9	958.7	1186.6	1316.3	1339.9
157.5°	911.6	958.7	1159.1	1280.9	1304.5
160°	927.3	958.7	1127.7	1245.6	1265.2
162.5°	947.0	958.7	1084.5	1194.5	1214.1
165°	966.6	962.7	1053.0	1143.4	1159.1
167.5°	978.4	962.7	1021.6	1080.5	1096.3
170°	986.2	970.5	994.1	1037.3	1041.3
172.5°	990.2	978.4	974.5	994.1	994.1
175°	990.2	978.4	974.5	974.5	966.6
177.5°	990.2	982.3	982.3	978.4	966.6
180°	982.3	982.3	982.3	982.3	982.3

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