

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: P253317

Luminaire Tested: **J3-UL-60L840-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-60L840-1D-UNV-STD-W-4
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
Light Source: (224) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

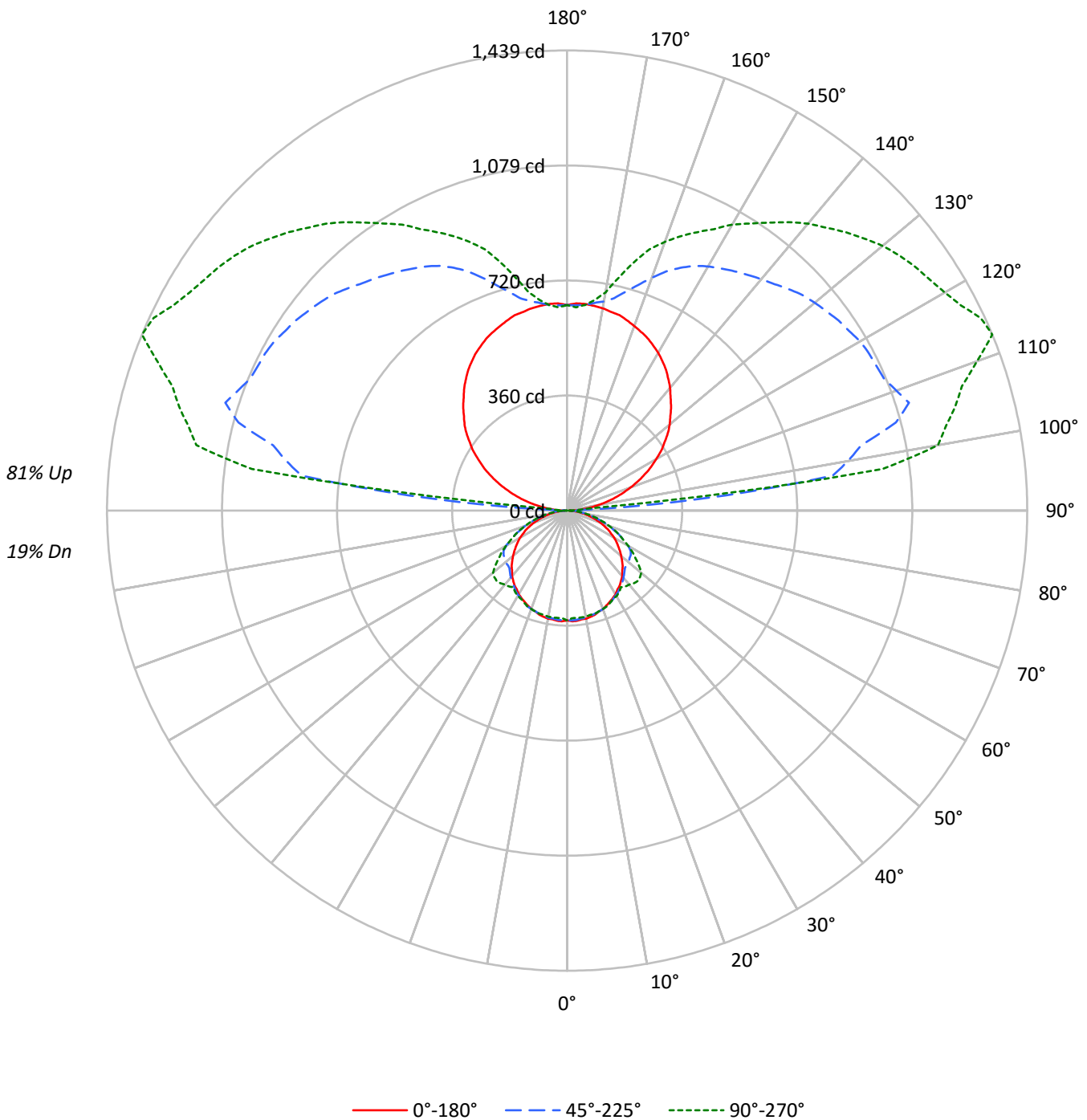
Lumens per Lamp: N/A
Luminaire Lumens: 6221.1 lumens
Efficiency: N/A
Efficacy: 150.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.33 / 1.47
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 41.3
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



TEST NUMBER: P253317
CATALOG NUMBER: J3-UL-60L840-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P253317

CATALOG NUMBER: J3-UL-60L840-1D-UNV-STD-W-4

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	100	100	100	100	88	88	88	88	66	66	66		46	46	46		28	28	28	19
1	91	86	83	79	80	76	73	70	57	55	53		40	39	38		24	23	23	15
2	82	75	69	64	72	66	61	57	50	47	44		35	33	31		21	20	19	13
3	75	66	59	53	66	58	52	47	44	40	36		30	28	26		18	17	16	10
4	68	58	50	44	60	51	45	40	39	34	31		27	24	22		16	15	13	9
5	62	51	43	38	55	45	39	34	34	30	26		24	21	19		14	13	11	7
6	57	46	38	32	50	40	34	29	31	26	23		21	18	16		13	11	10	6
7	53	41	33	28	46	36	30	25	28	23	20		19	16	14		12	10	9	6
8	49	37	30	24	43	33	26	22	25	20	17		18	15	12		11	9	8	5
9	45	33	26	21	40	30	24	19	23	18	15		16	13	11		10	8	7	4
10	42	30	24	19	37	27	21	17	21	16	13		15	12	10		9	7	6	4

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2771	2771	2771
5°	2807	2781	2730
10°	2813	2788	2762
15°	2816	2790	2790
20°	2814	2814	2814
25°	2805	2833	2833
30°	2818	2847	2877
35°	2824	2855	2886
40°	2821	2888	3186
45°	2804	2912	3559
50°	2768	3164	3797
55°	2747	3413	3679
60°	2745	3559	3559
65°	2707	3429	3429
70°	2601	3271	3271
75°	2455	3044	3144
80°	2343	2929	2929
85°	2038	3501	2918



TEST NUMBER: P253317

CATALOG NUMBER: J3-UL-60L840-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.5	0.5
10°-20°	94.3	1.5
20°-30°	146.2	2.4
30°-40°	182.2	2.9
40°-50°	207.8	3.3
50°-60°	207.5	3.3
60°-70°	165.3	2.7
70°-80°	101.8	1.6
80°-90°	36.4	0.6
90°-100°	386.7	6.2
100°-110°	941.9	15.1
110°-120°	963.0	15.5
120°-130°	854.6	13.7
130°-140°	715.2	11.5
140°-150°	547.3	8.8
150°-160°	372.4	6.0
160°-170°	203.7	3.3
170°-180°	62.3	1.0
0°-30°	273.0	4.4
0°-40°	455.3	7.3
0°-60°	870.6	14.0
0°-90°	1174.1	18.9
90°-120°	2291.6	36.8
90°-150°	4408.7	70.9
90°-180°	5047.0	81.1
0°-180°	6221.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	343	343	343	343	343	
5°	346	340	343	340	337	33
15°	337	334	334	334	334	95
25°	315	315	318	318	318	145
35°	286	286	290	293	293	179
45°	246	246	255	296	312	189
55°	195	198	242	261	261	175
65°	142	151	180	180	180	139
75°	79	98	98	101	101	83
85°	22	32	38	35	32	25
90°	6	13	6	0	0	8
95°	50	412	412	50	50	51
105°	154	633	1064	1190	1256	163
115°	268	646	1068	1335	1426	265
125°	372	668	1036	1260	1329	333
135°	460	696	979	1174	1231	355
145°	538	690	913	1061	1099	336
155°	595	655	838	942	960	274
165°	633	646	708	781	803	178
175°	649	642	646	649	646	62
180°	642	642	642	642	642	



TEST NUMBER: P253317

CATALOG NUMBER: J3-UL-60L840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	343.2	343.2	343.2	343.2	343.2
2.5°	346.4	343.2	343.2	340.1	336.9
5°	346.4	340.1	343.2	340.1	336.9
7.5°	343.2	340.1	340.1	340.1	336.9
10°	343.2	336.9	340.1	336.9	336.9
12.5°	340.1	336.9	336.9	336.9	333.8
15°	336.9	333.8	333.8	333.8	333.8
17.5°	330.6	327.5	330.6	330.6	330.6
20°	327.5	324.3	327.5	327.5	327.5
22.5°	321.2	318.0	324.3	324.3	324.3
25°	314.9	314.9	318.0	318.0	318.0
27.5°	308.6	308.6	311.7	314.9	311.7
30°	302.3	299.1	305.4	308.6	308.6
32.5°	292.8	292.8	299.1	299.1	302.3
35°	286.5	286.5	289.7	292.8	292.8
37.5°	277.1	277.1	283.4	286.5	299.1
40°	267.7	267.7	274.0	289.7	302.3
42.5°	255.1	258.2	264.5	289.7	308.6
45°	245.6	245.6	255.1	296.0	311.7
47.5°	233.0	236.2	251.9	296.0	308.6
50°	220.4	223.6	251.9	292.8	302.3
52.5°	207.8	211.0	245.6	280.2	283.4
55°	195.2	198.4	242.5	261.4	261.4
57.5°	182.6	185.8	236.2	242.5	242.5
60°	170.0	173.2	220.4	220.4	220.4
62.5°	154.3	157.4	198.4	198.4	198.4
65°	141.7	151.1	179.5	179.5	179.5
67.5°	126.0	138.6	157.4	160.6	160.6
70°	110.2	129.1	138.6	138.6	138.6
72.5°	94.5	116.5	116.5	119.7	119.7
75°	78.7	97.6	97.6	100.8	100.8
77.5°	63.0	78.7	78.7	81.9	81.9
80°	50.4	59.8	63.0	63.0	63.0
82.5°	37.8	47.2	47.2	47.2	47.2
85°	22.0	31.5	37.8	34.6	31.5
87.5°	12.6	25.2	25.2	22.0	18.9
90°	6.3	12.6	6.3	0.0	0.0
92.5°	31.5	103.9	31.5	22.0	22.0
95°	50.4	412.5	412.5	50.4	50.4
97.5°	72.4	510.1	837.6	1054.9	995.0
100°	97.6	636.1	891.1	1102.1	1177.7
102.5°	126.0	626.6	941.5	1143.0	1212.3
105°	154.3	632.9	1064.3	1190.3	1256.4
107.5°	182.6	632.9	1121.0	1221.8	1294.2
110°	211.0	632.9	1095.8	1350.9	1363.5



TEST NUMBER: P253317

CATALOG NUMBER: J3-UL-60L840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	239.3	639.2	1073.8	1360.3	1439.0
115°	267.7	645.5	1067.5	1335.1	1426.4
117.5°	296.0	648.7	1064.3	1303.6	1388.7
120°	321.2	651.8	1058.0	1291.0	1363.5
122.5°	349.5	658.1	1045.4	1275.3	1344.6
125°	371.6	667.6	1036.0	1259.6	1328.8
127.5°	396.8	673.9	1023.4	1243.8	1309.9
130°	418.8	683.3	1010.8	1218.6	1287.9
132.5°	437.7	692.8	998.2	1199.7	1259.6
135°	459.7	695.9	979.3	1174.5	1231.2
137.5°	478.6	699.1	960.4	1152.5	1199.7
140°	500.7	695.9	944.7	1121.0	1171.4
142.5°	519.6	692.8	928.9	1089.5	1136.7
145°	538.5	689.6	913.2	1061.2	1099.0
147.5°	554.2	683.3	897.4	1029.7	1064.3
150°	569.9	673.9	881.7	1001.3	1032.8
152.5°	582.5	664.4	862.8	969.9	991.9
155°	595.1	655.0	837.6	941.5	960.4
157.5°	604.6	648.7	809.3	910.0	928.9
160°	614.0	645.5	774.6	878.5	894.3
162.5°	623.5	645.5	740.0	837.6	856.5
165°	632.9	645.5	708.5	780.9	803.0
167.5°	636.1	642.4	680.2	727.4	746.3
170°	642.4	642.4	664.4	686.5	692.8
172.5°	645.5	642.4	655.0	664.4	664.4
175°	648.7	642.4	645.5	648.7	645.5
177.5°	648.7	642.4	642.4	642.4	636.1
180°	642.4	642.4	642.4	642.4	642.4

(END OF REPORT)