

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: P253335

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253335
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-60L840-1D-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

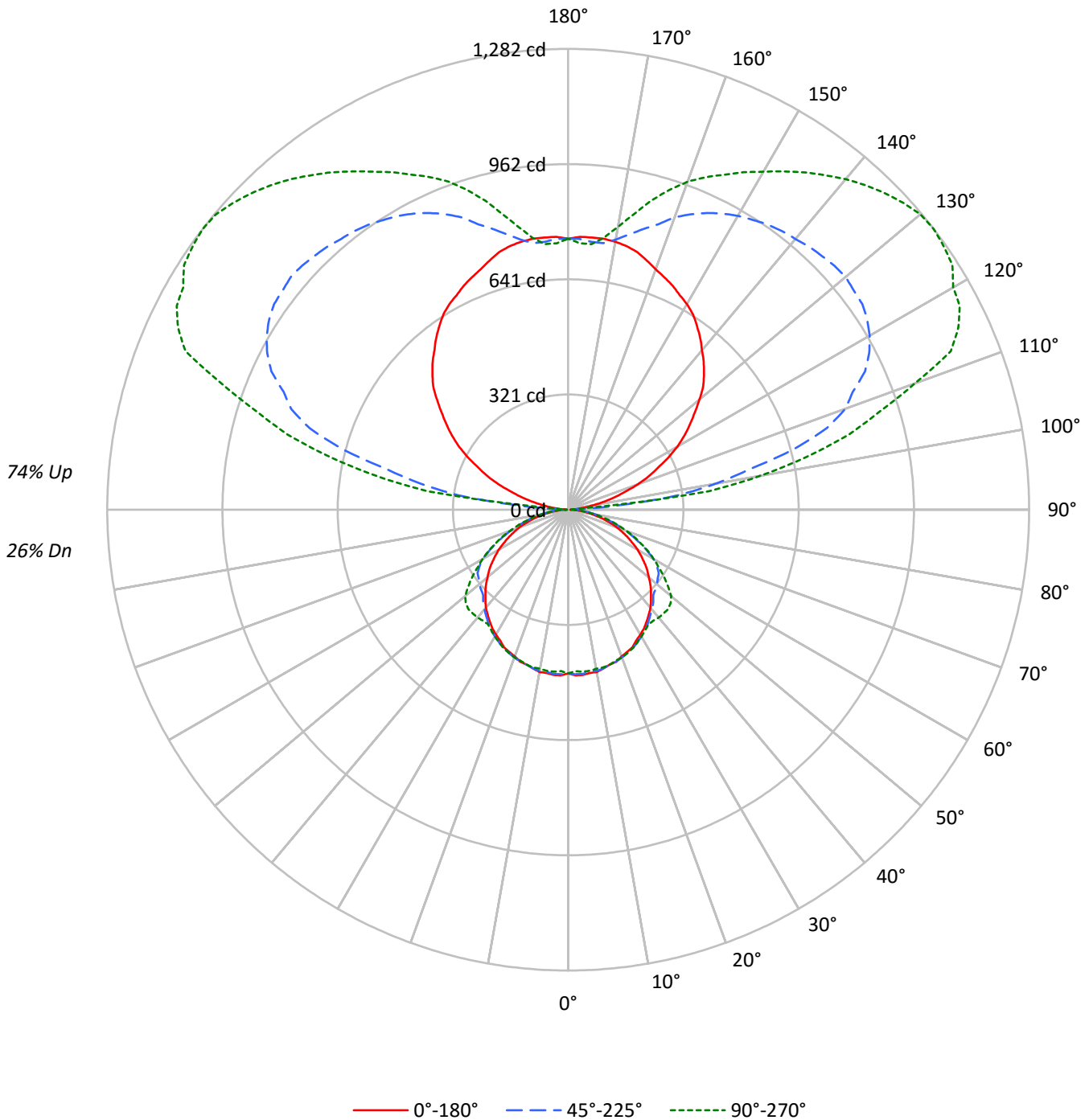
Lumens per Lamp: N/A
Luminaire Lumens: 5958.3 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 41.3
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	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°	3676	3676	3676
5°	3739	3715	3665
10°	3758	3732	3683
15°	3730	3730	3730
20°	3730	3757	3757
25°	3761	3787	3787
30°	3739	3795	3795
35°	3745	3804	3834
40°	3750	3814	4131
45°	3718	3821	4475
50°	3674	4053	4696
55°	3650	4329	4584
60°	3604	4430	4430
65°	3513	4204	4264
70°	3415	3987	4057
75°	3197	3762	3855
80°	2943	3645	3505
85°	2797	3909	3353



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.4	0.7
10°-20°	126.0	2.1
20°-30°	194.8	3.3
30°-40°	241.6	4.1
40°-50°	270.3	4.5
50°-60°	264.2	4.4
60°-70°	208.4	3.5
70°-80°	126.1	2.1
80°-90°	44.9	0.8
90°-100°	154.8	2.6
100°-110°	598.5	10.0
110°-120°	822.5	13.8
120°-130°	832.1	14.0
130°-140°	737.5	12.4
140°-150°	583.3	9.8
150°-160°	407.3	6.8
160°-170°	230.5	3.9
170°-180°	72.3	1.2
0°-30°	364.2	6.1
0°-40°	605.8	10.2
0°-60°	1140.3	19.1
0°-90°	1519.7	25.5
90°-120°	1575.8	26.4
90°-150°	3728.6	62.6
90°-180°	4439.0	74.5
0°-180°	5958.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	455	455	455	455	455	
5°	461	455	458	455	452	44
15°	446	443	446	446	446	126
25°	422	416	425	425	425	194
35°	380	380	386	389	389	238
45°	326	329	335	377	392	251
55°	259	262	308	326	326	232
65°	184	193	220	223	223	181
75°	102	121	121	124	124	109
85°	30	48	42	39	36	32
90°	6	18	15	3	3	6
95°	24	121	145	30	30	30
105°	133	428	648	748	808	141
115°	274	579	911	1128	1197	274
125°	413	670	998	1215	1276	370
135°	534	736	998	1194	1245	411
145°	624	754	968	1110	1146	390
155°	688	736	911	1010	1028	317
165°	742	739	808	878	890	209
175°	760	751	748	748	742	72
180°	754	754	754	754	754	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	455.3	455.3	455.3	455.3	455.3
2.5°	461.4	455.3	458.4	455.3	449.3
5°	461.4	455.3	458.4	455.3	452.3
7.5°	458.4	455.3	455.3	452.3	452.3
10°	458.4	452.3	455.3	452.3	449.3
12.5°	452.3	449.3	452.3	449.3	449.3
15°	446.3	443.3	446.3	446.3	446.3
17.5°	443.3	437.3	443.3	443.3	440.3
20°	434.2	431.2	437.3	437.3	437.3
22.5°	428.2	425.2	431.2	431.2	431.2
25°	422.2	416.1	425.2	425.2	425.2
27.5°	410.1	410.1	416.1	419.2	416.1
30°	401.1	398.1	407.1	410.1	407.1
32.5°	392.0	389.0	398.1	401.1	398.1
35°	380.0	380.0	386.0	389.0	389.0
37.5°	367.9	367.9	373.9	376.9	389.0
40°	355.8	355.8	361.9	380.0	392.0
42.5°	340.8	340.8	349.8	376.9	392.0
45°	325.7	328.7	334.7	376.9	392.0
47.5°	310.6	313.6	328.7	373.9	386.0
50°	292.5	298.5	322.7	364.9	373.9
52.5°	277.4	280.4	313.6	349.8	349.8
55°	259.3	262.4	307.6	325.7	325.7
57.5°	241.2	244.3	292.5	298.5	298.5
60°	223.2	226.2	274.4	274.4	274.4
62.5°	202.0	208.1	247.3	250.3	250.3
65°	183.9	193.0	220.1	223.2	223.2
67.5°	162.8	177.9	196.0	199.0	199.0
70°	144.7	162.8	168.9	171.9	171.9
72.5°	123.6	141.7	144.7	147.8	147.8
75°	102.5	120.6	120.6	123.6	123.6
77.5°	81.4	96.5	99.5	99.5	99.5
80°	63.3	72.4	78.4	75.4	75.4
82.5°	45.2	57.3	57.3	57.3	54.3
85°	30.2	48.2	42.2	39.2	36.2
87.5°	18.1	42.2	24.1	21.1	21.1
90°	6.0	18.1	15.1	3.0	3.0
92.5°	12.1	30.2	15.1	12.1	9.0
95°	24.1	120.6	144.7	30.2	30.2
97.5°	45.2	202.0	310.6	367.9	395.0
100°	69.4	301.6	416.1	509.6	542.8
102.5°	99.5	364.9	512.6	630.3	678.5
105°	132.7	428.2	648.3	747.9	808.2
107.5°	165.9	476.5	753.9	865.5	907.7
110°	205.1	515.7	820.2	1013.2	1025.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	241.2	545.8	856.4	1085.6	1151.9
115°	274.4	579.0	910.7	1127.8	1197.2
117.5°	313.6	603.1	943.9	1151.9	1227.3
120°	349.8	624.2	968.0	1182.1	1236.4
122.5°	383.0	648.3	986.1	1206.2	1266.5
125°	413.1	669.5	998.1	1215.3	1275.6
127.5°	443.3	687.5	1001.2	1218.3	1281.6
130°	476.5	705.6	1007.2	1215.3	1278.6
132.5°	509.6	723.7	1004.2	1206.2	1263.5
135°	533.8	735.8	998.1	1194.2	1245.4
137.5°	557.9	744.8	992.1	1176.1	1224.3
140°	579.0	750.9	983.1	1155.0	1200.2
142.5°	603.1	753.9	977.0	1133.9	1173.1
145°	624.2	753.9	968.0	1109.7	1145.9
147.5°	645.3	750.9	955.9	1085.6	1115.8
150°	660.4	744.8	943.9	1061.5	1085.6
152.5°	672.5	738.8	928.8	1034.3	1058.5
155°	687.5	735.8	910.7	1010.2	1028.3
157.5°	699.6	735.8	889.6	983.1	1001.2
160°	711.7	735.8	865.5	955.9	971.0
162.5°	726.7	735.8	832.3	916.7	931.8
165°	741.8	738.8	808.2	877.5	889.6
167.5°	750.9	738.8	784.0	829.3	841.3
170°	756.9	744.8	762.9	796.1	799.1
172.5°	759.9	750.9	747.9	762.9	762.9
175°	759.9	750.9	747.9	747.9	741.8
177.5°	759.9	753.9	753.9	750.9	741.8
180°	753.9	753.9	753.9	753.9	753.9

(END OF REPORT)