

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: P253332

Luminaire Tested: **J3-CL-30L840-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253332
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-30L840-1D-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

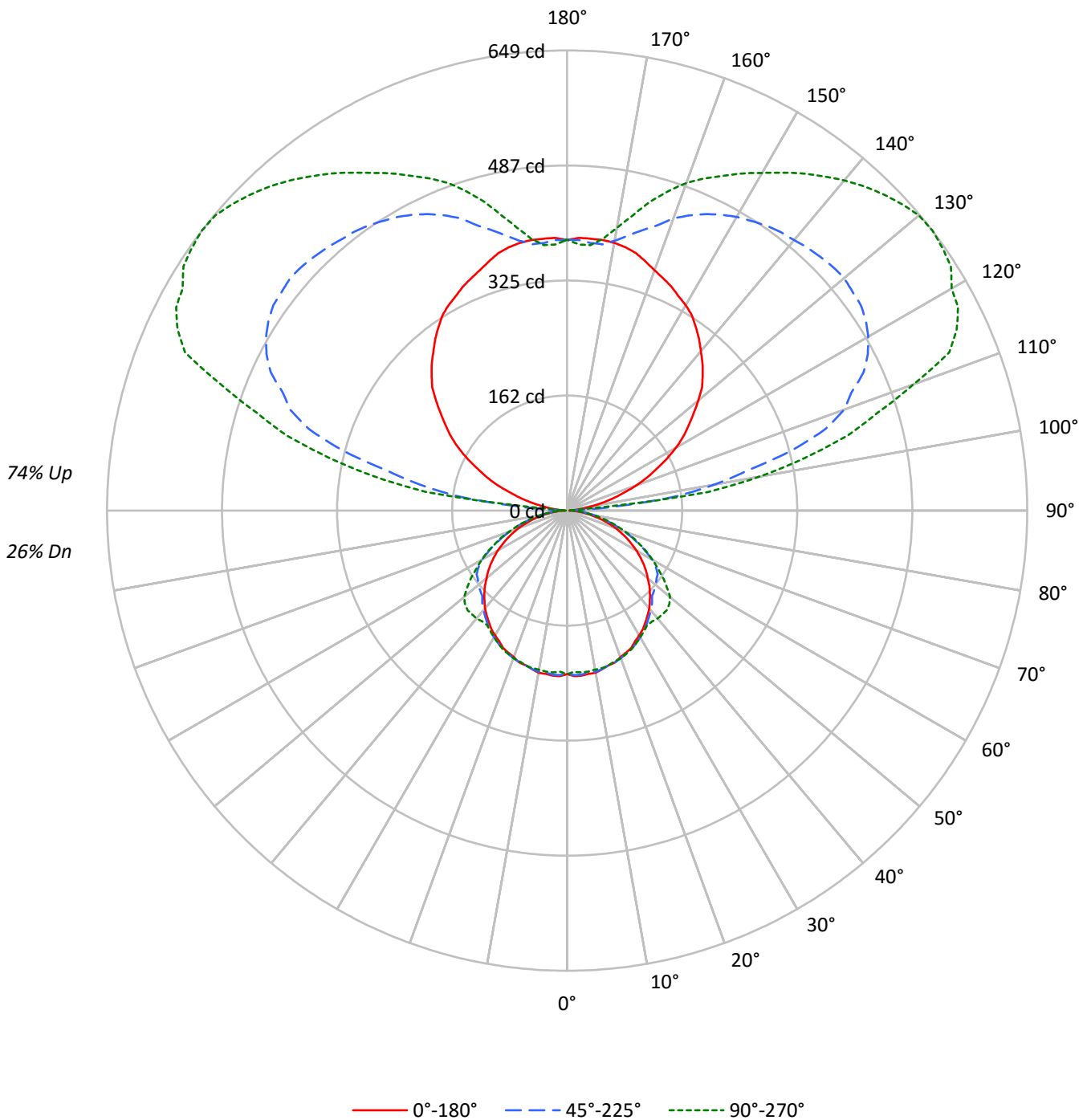
Lumens per Lamp: N/A
Luminaire Lumens: 3017.9 lumens
Efficiency: N/A
Efficacy: 153.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 19.7
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°	1862	1862	1862
5°	1894	1882	1857
10°	1903	1890	1866
15°	1889	1889	1889
20°	1889	1903	1903
25°	1904	1919	1919
30°	1893	1922	1922
35°	1896	1927	1941
40°	1899	1932	2093
45°	1884	1935	2267
50°	1861	2052	2379
55°	1849	2193	2322
60°	1824	2244	2244
65°	1780	2130	2159
70°	1730	2018	2056
75°	1619	1906	1953
80°	1492	1846	1776
85°	1417	1982	1695



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.0	0.7
10°-20°	63.8	2.1
20°-30°	98.7	3.3
30°-40°	122.3	4.1
40°-50°	136.9	4.5
50°-60°	133.8	4.4
60°-70°	105.6	3.5
70°-80°	63.9	2.1
80°-90°	22.7	0.8
90°-100°	78.4	2.6
100°-110°	303.1	10.0
110°-120°	416.6	13.8
120°-130°	421.5	14.0
130°-140°	373.5	12.4
140°-150°	295.4	9.8
150°-160°	206.3	6.8
160°-170°	116.7	3.9
170°-180°	36.6	1.2
0°-30°	184.5	6.1
0°-40°	306.8	10.2
0°-60°	577.5	19.1
0°-90°	769.7	25.5
90°-120°	798.1	26.4
90°-150°	1888.5	62.6
90°-180°	2248.0	74.5
0°-180°	3017.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	231	231	231	231	231	
5°	234	231	232	231	229	22
15°	226	224	226	226	226	64
25°	214	211	215	215	215	98
35°	192	192	196	197	197	120
45°	165	166	170	191	199	127
55°	131	133	156	165	165	117
65°	93	98	112	113	113	92
75°	52	61	61	63	63	55
85°	15	24	21	20	18	16
90°	3	9	8	2	2	3
95°	12	61	73	15	15	15
105°	67	217	328	379	409	71
115°	139	293	461	571	606	139
125°	209	339	506	616	646	187
135°	270	373	506	605	631	208
145°	316	382	490	562	580	198
155°	348	373	461	512	521	161
165°	376	374	409	444	451	106
175°	385	380	379	379	376	37
180°	382	382	382	382	382	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	230.6	230.6	230.6	230.6	230.6
2.5°	233.7	230.6	232.2	230.6	227.6
5°	233.7	230.6	232.2	230.6	229.1
7.5°	232.2	230.6	230.6	229.1	229.1
10°	232.2	229.1	230.6	229.1	227.6
12.5°	229.1	227.6	229.1	227.6	227.6
15°	226.0	224.5	226.0	226.0	226.0
17.5°	224.5	221.5	224.5	224.5	223.0
20°	219.9	218.4	221.5	221.5	221.5
22.5°	216.9	215.4	218.4	218.4	218.4
25°	213.8	210.8	215.4	215.4	215.4
27.5°	207.7	207.7	210.8	212.3	210.8
30°	203.1	201.6	206.2	207.7	206.2
32.5°	198.6	197.0	201.6	203.1	201.6
35°	192.4	192.4	195.5	197.0	197.0
37.5°	186.3	186.3	189.4	190.9	197.0
40°	180.2	180.2	183.3	192.4	198.6
42.5°	172.6	172.6	177.2	190.9	198.6
45°	165.0	166.5	169.5	190.9	198.6
47.5°	157.3	158.8	166.5	189.4	195.5
50°	148.2	151.2	163.4	184.8	189.4
52.5°	140.5	142.0	158.8	177.2	177.2
55°	131.4	132.9	155.8	165.0	165.0
57.5°	122.2	123.7	148.2	151.2	151.2
60°	113.0	114.6	139.0	139.0	139.0
62.5°	102.3	105.4	125.2	126.8	126.8
65°	93.2	97.8	111.5	113.0	113.0
67.5°	82.5	90.1	99.3	100.8	100.8
70°	73.3	82.5	85.5	87.1	87.1
72.5°	62.6	71.8	73.3	74.8	74.8
75°	51.9	61.1	61.1	62.6	62.6
77.5°	41.2	48.9	50.4	50.4	50.4
80°	32.1	36.7	39.7	38.2	38.2
82.5°	22.9	29.0	29.0	29.0	27.5
85°	15.3	24.4	21.4	19.9	18.3
87.5°	9.2	21.4	12.2	10.7	10.7
90°	3.1	9.2	7.6	1.5	1.5
92.5°	6.1	15.3	7.6	6.1	4.6
95°	12.2	61.1	73.3	15.3	15.3
97.5°	22.9	102.3	157.3	186.3	200.1
100°	35.1	152.7	210.8	258.1	274.9
102.5°	50.4	184.8	259.7	319.2	343.7
105°	67.2	216.9	328.4	378.8	409.3
107.5°	84.0	241.3	381.8	438.4	459.7
110°	103.9	261.2	415.4	513.2	519.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	122.2	276.5	433.8	549.8	583.5
115°	139.0	293.3	461.3	571.2	606.4
117.5°	158.8	305.5	478.1	583.5	621.6
120°	177.2	316.2	490.3	598.7	626.2
122.5°	194.0	328.4	499.4	610.9	641.5
125°	209.2	339.1	505.6	615.5	646.1
127.5°	224.5	348.2	507.1	617.1	649.1
130°	241.3	357.4	510.1	615.5	647.6
132.5°	258.1	366.6	508.6	610.9	640.0
135°	270.3	372.7	505.6	604.8	630.8
137.5°	282.6	377.3	502.5	595.7	620.1
140°	293.3	380.3	497.9	585.0	607.9
142.5°	305.5	381.8	494.9	574.3	594.1
145°	316.2	381.8	490.3	562.1	580.4
147.5°	326.9	380.3	484.2	549.8	565.1
150°	334.5	377.3	478.1	537.6	549.8
152.5°	340.6	374.2	470.4	523.9	536.1
155°	348.2	372.7	461.3	511.7	520.8
157.5°	354.3	372.7	450.6	497.9	507.1
160°	360.5	372.7	438.4	484.2	491.8
162.5°	368.1	372.7	421.6	464.3	472.0
165°	375.7	374.2	409.3	444.5	450.6
167.5°	380.3	374.2	397.1	420.0	426.1
170°	383.4	377.3	386.4	403.2	404.8
172.5°	384.9	380.3	378.8	386.4	386.4
175°	384.9	380.3	378.8	378.8	375.7
177.5°	384.9	381.8	381.8	380.3	375.7
180°	381.8	381.8	381.8	381.8	381.8

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