

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: P253320

Luminaire Tested: **J3-CL-30L830-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253320
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-30L830-1D-UNV-STD-W-4
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
Light Source: (224) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

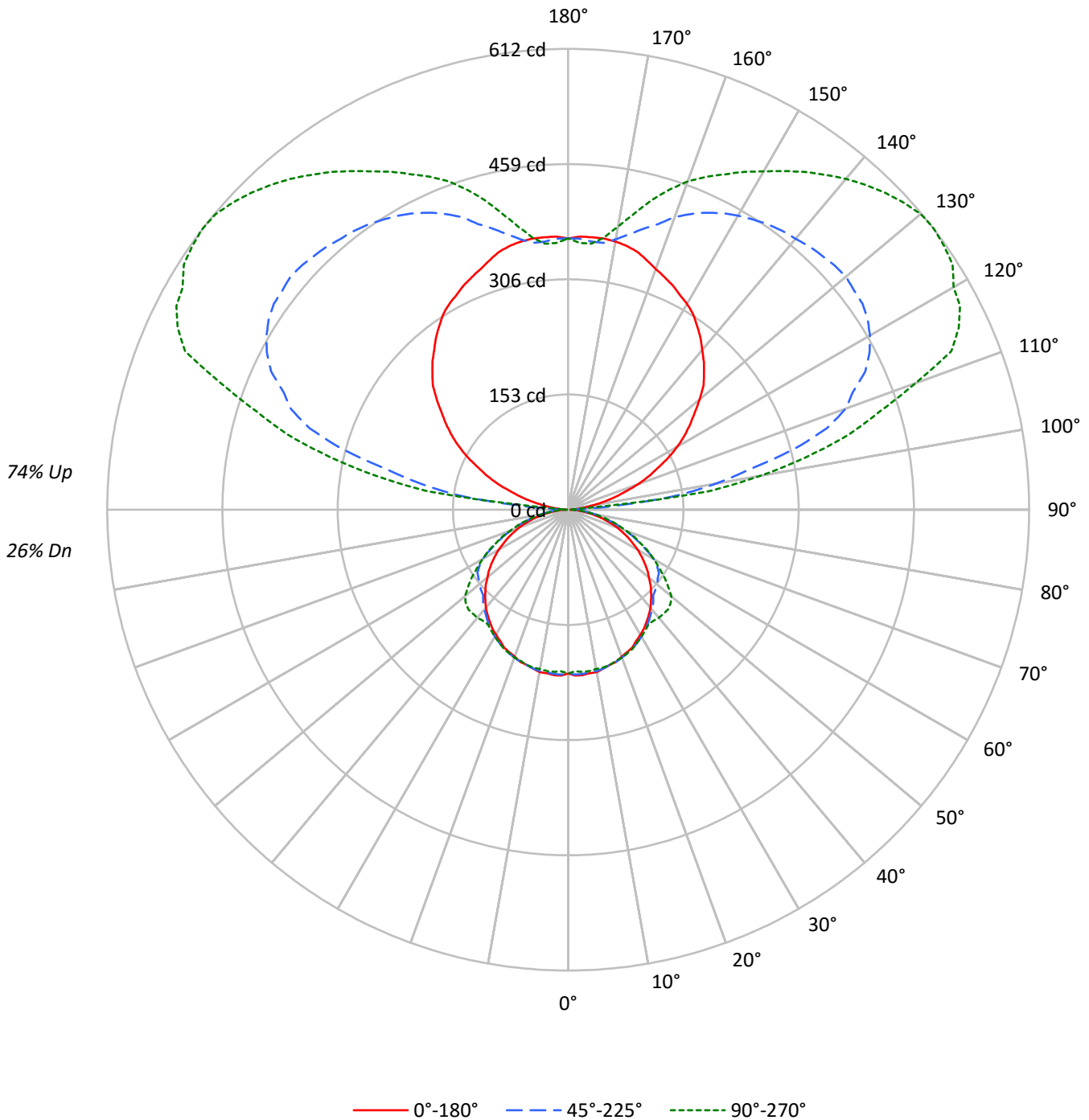
Lumens per Lamp: N/A
Luminaire Lumens: 2847.0 lumens
Efficiency: N/A
Efficacy: 144.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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°	1757	1757	1757
5°	1787	1775	1751
10°	1795	1784	1760
15°	1783	1783	1783
20°	1783	1795	1795
25°	1797	1810	1810
30°	1786	1813	1813
35°	1790	1817	1832
40°	1792	1822	1974
45°	1776	1826	2138
50°	1756	1937	2244
55°	1744	2069	2190
60°	1721	2117	2117
65°	1679	2010	2036
70°	1633	1905	1938
75°	1528	1797	1843
80°	1409	1743	1674
85°	1334	1871	1602



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.8	0.7
10°-20°	60.2	2.1
20°-30°	93.1	3.3
30°-40°	115.4	4.1
40°-50°	129.2	4.5
50°-60°	126.2	4.4
60°-70°	99.6	3.5
70°-80°	60.2	2.1
80°-90°	21.5	0.8
90°-100°	73.9	2.6
100°-110°	286.0	10.0
110°-120°	393.0	13.8
120°-130°	397.6	14.0
130°-140°	352.4	12.4
140°-150°	278.7	9.8
150°-160°	194.6	6.8
160°-170°	110.1	3.9
170°-180°	34.5	1.2
0°-30°	174.0	6.1
0°-40°	289.5	10.2
0°-60°	544.8	19.1
0°-90°	726.1	25.5
90°-120°	752.9	26.4
90°-150°	1781.6	62.6
90°-180°	2121.0	74.5
0°-180°	2847.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	218	218	218	218	218	
5°	220	218	219	218	216	21
15°	213	212	213	213	213	60
25°	202	199	203	203	203	93
35°	182	182	184	186	186	114
45°	156	157	160	180	187	120
55°	124	125	147	156	156	111
65°	88	92	105	107	107	87
75°	49	58	58	59	59	52
85°	14	23	20	19	17	15
90°	3	9	7	1	1	3
95°	12	58	69	14	14	14
105°	63	205	310	357	386	67
115°	131	277	435	539	572	131
125°	197	320	477	581	610	177
135°	255	352	477	571	595	196
145°	298	360	462	530	548	187
155°	328	352	435	483	491	151
165°	354	353	386	419	425	100
175°	363	359	357	357	354	35
180°	360	360	360	360	360	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	217.6	217.6	217.6	217.6	217.6
2.5°	220.5	217.6	219.0	217.6	214.7
5°	220.5	217.6	219.0	217.6	216.1
7.5°	219.0	217.6	217.6	216.1	216.1
10°	219.0	216.1	217.6	216.1	214.7
12.5°	216.1	214.7	216.1	214.7	214.7
15°	213.3	211.8	213.3	213.3	213.3
17.5°	211.8	208.9	211.8	211.8	210.4
20°	207.5	206.0	208.9	208.9	208.9
22.5°	204.6	203.2	206.0	206.0	206.0
25°	201.7	198.8	203.2	203.2	203.2
27.5°	196.0	196.0	198.8	200.3	198.8
30°	191.6	190.2	194.5	196.0	194.5
32.5°	187.3	185.9	190.2	191.6	190.2
35°	181.6	181.6	184.4	185.9	185.9
37.5°	175.8	175.8	178.7	180.1	185.9
40°	170.0	170.0	172.9	181.6	187.3
42.5°	162.8	162.8	167.1	180.1	187.3
45°	155.6	157.1	159.9	180.1	187.3
47.5°	148.4	149.9	157.1	178.7	184.4
50°	139.8	142.6	154.2	174.3	178.7
52.5°	132.6	134.0	149.9	167.1	167.1
55°	123.9	125.4	147.0	155.6	155.6
57.5°	115.3	116.7	139.8	142.6	142.6
60°	106.6	108.1	131.1	131.1	131.1
62.5°	96.5	99.4	118.2	119.6	119.6
65°	87.9	92.2	105.2	106.6	106.6
67.5°	77.8	85.0	93.7	95.1	95.1
70°	69.2	77.8	80.7	82.1	82.1
72.5°	59.1	67.7	69.2	70.6	70.6
75°	49.0	57.6	57.6	59.1	59.1
77.5°	38.9	46.1	47.5	47.5	47.5
80°	30.3	34.6	37.5	36.0	36.0
82.5°	21.6	27.4	27.4	27.4	25.9
85°	14.4	23.1	20.2	18.7	17.3
87.5°	8.6	20.2	11.5	10.1	10.1
90°	2.9	8.6	7.2	1.4	1.4
92.5°	5.8	14.4	7.2	5.8	4.3
95°	11.5	57.6	69.2	14.4	14.4
97.5°	21.6	96.5	148.4	175.8	188.8
100°	33.1	144.1	198.8	243.5	259.4
102.5°	47.5	174.3	245.0	301.1	324.2
105°	63.4	204.6	309.8	357.3	386.2
107.5°	79.2	227.7	360.2	413.5	433.7
110°	98.0	246.4	391.9	484.1	489.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	115.3	260.8	409.2	518.7	550.4
115°	131.1	276.7	435.2	538.9	572.0
117.5°	149.9	288.2	451.0	550.4	586.4
120°	167.1	298.3	462.5	564.8	590.8
122.5°	183.0	309.8	471.2	576.4	605.2
125°	197.4	319.9	476.9	580.7	609.5
127.5°	211.8	328.5	478.4	582.1	612.4
130°	227.7	337.2	481.3	580.7	610.9
132.5°	243.5	345.8	479.8	576.4	603.7
135°	255.0	351.6	476.9	570.6	595.1
137.5°	266.6	355.9	474.1	562.0	585.0
140°	276.7	358.8	469.7	551.9	573.5
142.5°	288.2	360.2	466.9	541.8	560.5
145°	298.3	360.2	462.5	530.3	547.5
147.5°	308.4	358.8	456.8	518.7	533.1
150°	315.6	355.9	451.0	507.2	518.7
152.5°	321.3	353.0	443.8	494.2	505.8
155°	328.5	351.6	435.2	482.7	491.3
157.5°	334.3	351.6	425.1	469.7	478.4
160°	340.1	351.6	413.5	456.8	464.0
162.5°	347.3	351.6	397.7	438.0	445.2
165°	354.5	353.0	386.2	419.3	425.1
167.5°	358.8	353.0	374.6	396.2	402.0
170°	361.7	355.9	364.5	380.4	381.8
172.5°	363.1	358.8	357.3	364.5	364.5
175°	363.1	358.8	357.3	357.3	354.5
177.5°	363.1	360.2	360.2	358.8	354.5
180°	360.2	360.2	360.2	360.2	360.2

(END OF REPORT)