

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: P253304

Luminaire Tested: **J3-UL-40L830-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253304
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-40L830-1D-UNV-STD-W-4
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
Light Source: (224) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

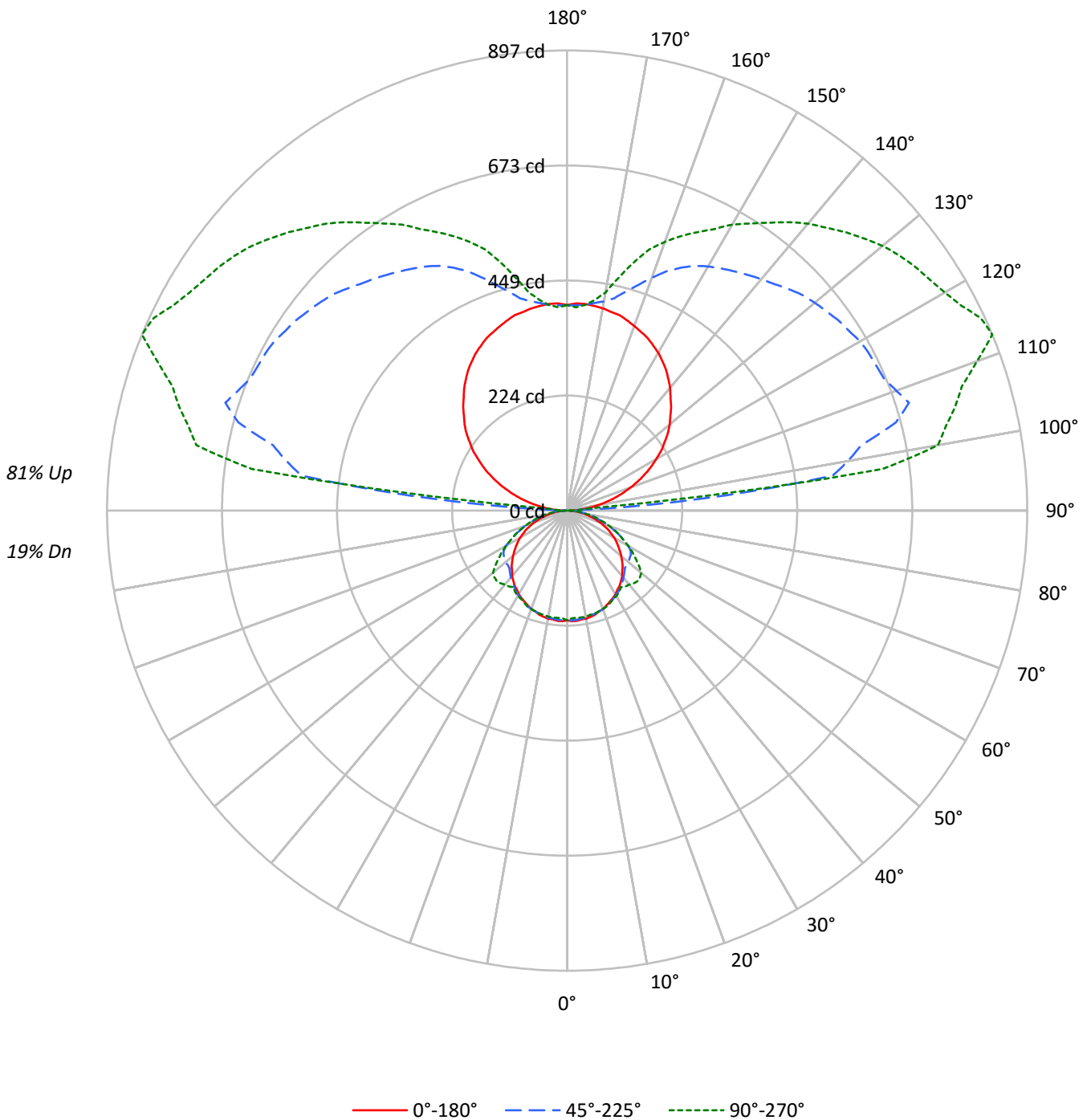
Lumens per Lamp: N/A
Luminaire Lumens: 3877.7 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.33 / 1.47
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 25.9
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	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°	1727	1727	1727
5°	1750	1733	1702
10°	1753	1738	1721
15°	1755	1738	1738
20°	1753	1753	1753
25°	1749	1765	1765
30°	1756	1775	1793
35°	1760	1780	1799
40°	1758	1800	1985
45°	1748	1815	2218
50°	1726	1972	2366
55°	1713	2127	2293
60°	1711	2218	2218
65°	1687	2138	2138
70°	1622	2039	2039
75°	1532	1896	1959
80°	1460	1827	1827
85°	1269	2186	1815



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.3	0.5
10°-20°	58.8	1.5
20°-30°	91.1	2.4
30°-40°	113.6	2.9
40°-50°	129.5	3.3
50°-60°	129.4	3.3
60°-70°	103.0	2.7
70°-80°	63.5	1.6
80°-90°	22.7	0.6
90°-100°	241.0	6.2
100°-110°	587.1	15.1
110°-120°	600.3	15.5
120°-130°	532.7	13.7
130°-140°	445.8	11.5
140°-150°	341.1	8.8
150°-160°	232.1	6.0
160°-170°	127.0	3.3
170°-180°	38.8	1.0
0°-30°	170.2	4.4
0°-40°	283.8	7.3
0°-60°	542.6	14.0
0°-90°	731.8	18.9
90°-120°	1428.4	36.8
90°-150°	2748.0	70.9
90°-180°	3146.0	81.1
0°-180°	3877.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	214	214	214	214	214	
5°	216	212	214	212	210	20
15°	210	208	208	208	208	59
25°	196	196	198	198	198	91
35°	179	179	181	182	182	111
45°	153	153	159	184	194	118
55°	122	124	151	163	163	109
65°	88	94	112	112	112	87
75°	49	61	61	63	63	52
85°	14	20	24	22	20	15
90°	4	8	4	0	0	5
95°	31	257	257	31	31	32
105°	96	394	663	742	783	101
115°	167	402	665	832	889	165
125°	232	416	646	785	828	207
135°	287	434	610	732	767	221
145°	336	430	569	661	685	210
155°	371	408	522	587	599	171
165°	394	402	442	487	500	111
175°	404	400	402	404	402	38
180°	400	400	400	400	400	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	213.9	213.9	213.9	213.9	213.9
2.5°	215.9	213.9	213.9	212.0	210.0
5°	215.9	212.0	213.9	212.0	210.0
7.5°	213.9	212.0	212.0	212.0	210.0
10°	213.9	210.0	212.0	210.0	210.0
12.5°	212.0	210.0	210.0	210.0	208.0
15°	210.0	208.0	208.0	208.0	208.0
17.5°	206.1	204.1	206.1	206.1	206.1
20°	204.1	202.2	204.1	204.1	204.1
22.5°	200.2	198.2	202.2	202.2	202.2
25°	196.3	196.3	198.2	198.2	198.2
27.5°	192.3	192.3	194.3	196.3	194.3
30°	188.4	186.5	190.4	192.3	192.3
32.5°	182.5	182.5	186.5	186.5	188.4
35°	178.6	178.6	180.6	182.5	182.5
37.5°	172.7	172.7	176.6	178.6	186.5
40°	166.8	166.8	170.8	180.6	188.4
42.5°	159.0	160.9	164.9	180.6	192.3
45°	153.1	153.1	159.0	184.5	194.3
47.5°	145.2	147.2	157.0	184.5	192.3
50°	137.4	139.4	157.0	182.5	188.4
52.5°	129.5	131.5	153.1	174.7	176.6
55°	121.7	123.7	151.1	162.9	162.9
57.5°	113.8	115.8	147.2	151.1	151.1
60°	106.0	108.0	137.4	137.4	137.4
62.5°	96.2	98.1	123.7	123.7	123.7
65°	88.3	94.2	111.9	111.9	111.9
67.5°	78.5	86.4	98.1	100.1	100.1
70°	68.7	80.5	86.4	86.4	86.4
72.5°	58.9	72.6	72.6	74.6	74.6
75°	49.1	60.8	60.8	62.8	62.8
77.5°	39.3	49.1	49.1	51.0	51.0
80°	31.4	37.3	39.3	39.3	39.3
82.5°	23.6	29.4	29.4	29.4	29.4
85°	13.7	19.6	23.6	21.6	19.6
87.5°	7.9	15.7	15.7	13.7	11.8
90°	3.9	7.9	3.9	0.0	0.0
92.5°	19.6	64.8	19.6	13.7	13.7
95°	31.4	257.1	257.1	31.4	31.4
97.5°	45.1	318.0	522.1	657.5	620.2
100°	60.8	396.5	555.5	687.0	734.1
102.5°	78.5	390.6	586.9	712.5	755.7
105°	96.2	394.5	663.4	741.9	783.1
107.5°	113.8	394.5	698.7	761.5	806.7
110°	131.5	394.5	683.0	842.0	849.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	149.2	398.4	669.3	847.9	897.0
115°	166.8	402.4	665.4	832.2	889.1
117.5°	184.5	404.3	663.4	812.6	865.6
120°	200.2	406.3	659.5	804.7	849.9
122.5°	217.9	410.2	651.6	794.9	838.1
125°	231.6	416.1	645.7	785.1	828.3
127.5°	247.3	420.0	637.9	775.3	816.5
130°	261.0	425.9	630.0	759.6	802.8
132.5°	272.8	431.8	622.2	747.8	785.1
135°	286.6	433.8	610.4	732.1	767.4
137.5°	298.3	435.7	598.6	718.4	747.8
140°	312.1	433.8	588.8	698.7	730.1
142.5°	323.9	431.8	579.0	679.1	708.5
145°	335.6	429.8	569.2	661.4	685.0
147.5°	345.4	425.9	559.4	641.8	663.4
150°	355.3	420.0	549.6	624.1	643.8
152.5°	363.1	414.1	537.8	604.5	618.3
155°	371.0	408.2	522.1	586.9	598.6
157.5°	376.8	404.3	504.4	567.2	579.0
160°	382.7	402.4	482.8	547.6	557.4
162.5°	388.6	402.4	461.2	522.1	533.9
165°	394.5	402.4	441.6	486.8	500.5
167.5°	396.5	400.4	423.9	453.4	465.2
170°	400.4	400.4	414.1	427.9	431.8
172.5°	402.4	400.4	408.2	414.1	414.1
175°	404.3	400.4	402.4	404.3	402.4
177.5°	404.3	400.4	400.4	400.4	396.5
180°	400.4	400.4	400.4	400.4	400.4

(END OF REPORT)