

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: P275199

Luminaire Tested: **J3-UL-40L82765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275199
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-40L82765-1D-UNV-W2A-W-4 (2700K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3683.8 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.37 / 1.44
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

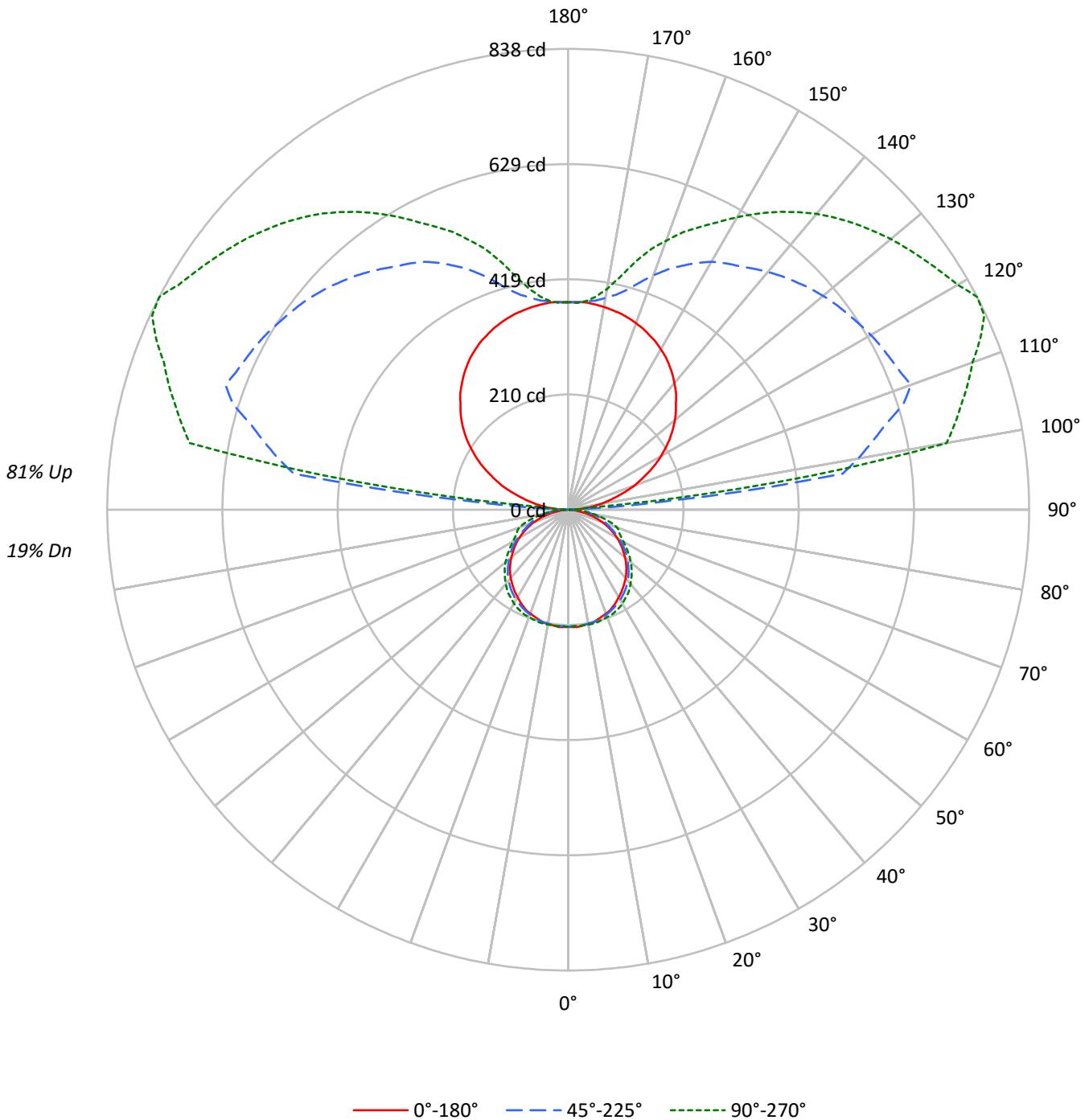
Input Watts (W): 27.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	37	31	28	26	18	17	16	10				
4	68	58	50	45	60	51	45	40	39	34	31	27	24	22	16	15	13	9				
5	62	51	44	38	55	45	39	34	34	30	26	24	21	19	14	13	12	8				
6	57	46	38	32	50	41	34	29	31	26	23	22	19	16	13	11	10	7				
7	53	41	33	28	46	36	30	25	28	23	20	20	16	14	12	10	9	6				
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5				
9	45	34	26	22	40	30	24	19	23	18	15	16	13	11	10	8	7	5				
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	7	6	4				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1720	1720	1720
5°	1733	1719	1719
10°	1730	1723	1739
15°	1727	1734	1764
20°	1727	1743	1783
25°	1725	1750	1815
30°	1711	1763	1840
35°	1710	1773	1855
40°	1713	1770	1858
45°	1708	1771	1866
50°	1694	1765	1868
55°	1679	1757	1861
60°	1660	1734	1868
65°	1614	1719	1964
70°	1560	1733	2233
75°	1432	1974	2261
80°	1237	2004	2176
85°	936	2214	2464



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.3	0.5
10°-20°	58.9	1.6
20°-30°	91.2	2.5
30°-40°	112.8	3.1
40°-50°	120.3	3.3
50°-60°	112.1	3.0
60°-70°	91.5	2.5
70°-80°	63.0	1.7
80°-90°	24.7	0.7
90°-100°	214.5	5.8
100°-110°	555.9	15.1
110°-120°	576.8	15.7
120°-130°	513.3	13.9
130°-140°	427.7	11.6
140°-150°	325.7	8.8
150°-160°	219.4	6.0
160°-170°	119.1	3.2
170°-180°	36.6	1.0
0°-30°	170.4	4.6
0°-40°	283.2	7.7
0°-60°	515.6	14.0
0°-90°	694.8	18.9
90°-120°	1347.2	36.6
90°-150°	2613.9	71.0
90°-180°	2989.0	81.1
0°-180°	3683.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	213	213	213	213	213	
5°	214	214	212	212	212	20
15°	207	208	208	210	211	58
25°	194	194	196	202	204	89
35°	174	175	180	185	188	109
45°	150	152	155	161	163	115
55°	119	122	125	128	132	106
65°	84	86	90	98	103	84
75°	46	49	63	71	72	48
85°	10	19	24	28	27	12
90°	2	2	2	2	2	4
95°	31	242	186	30	29	31
105°	91	385	597	707	740	97
115°	161	398	647	808	834	160
125°	226	407	621	753	791	201
135°	277	418	586	700	736	214
145°	320	410	541	630	661	201
155°	350	392	489	552	567	162
165°	369	381	414	453	464	104
175°	378	380	380	382	381	36
180°	377	377	377	377	377	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	213.0	213.0	213.0	213.0	213.0
2.5°	213.9	213.9	212.1	212.1	212.1
5°	213.9	213.9	212.1	212.1	212.1
7.5°	212.1	213.0	212.1	212.1	212.1
10°	211.1	211.1	210.2	211.1	212.1
12.5°	210.2	210.2	209.3	211.1	212.1
15°	206.6	207.5	207.5	210.2	211.1
17.5°	203.8	204.7	205.6	208.4	209.3
20°	201.0	201.0	202.9	206.6	207.5
22.5°	198.3	198.3	200.1	204.7	206.6
25°	193.7	193.7	196.5	202.0	203.8
27.5°	189.1	190.0	192.8	198.3	201.0
30°	183.6	185.4	189.1	194.6	197.4
32.5°	179.0	180.8	184.5	190.0	191.9
35°	173.5	175.3	179.9	185.4	188.2
37.5°	168.0	169.8	174.4	179.9	182.7
40°	162.5	164.3	168.0	174.4	176.3
42.5°	156.1	157.9	162.5	168.0	169.8
45°	149.6	151.5	155.1	160.7	163.4
47.5°	142.3	145.0	147.8	153.3	156.1
50°	134.9	137.7	140.5	146.0	148.7
52.5°	126.7	130.4	133.1	137.7	140.5
55°	119.3	122.1	124.8	128.5	132.2
57.5°	111.1	113.8	116.6	121.2	123.9
60°	102.8	104.7	107.4	112.0	115.7
62.5°	93.6	96.4	98.2	103.7	109.2
65°	84.5	86.3	90.0	98.2	102.8
67.5°	75.3	77.1	80.8	92.7	100.1
70°	66.1	67.9	73.4	90.0	94.6
72.5°	55.1	57.8	67.0	82.6	84.5
75°	45.9	48.7	63.3	70.7	72.5
77.5°	35.8	39.5	54.2	58.8	59.7
80°	26.6	33.0	43.1	46.8	46.8
82.5°	17.4	27.5	33.0	36.7	36.7
85°	10.1	19.3	23.9	27.5	26.6
87.5°	6.4	12.9	18.4	21.1	20.2
90°	1.8	1.8	1.8	1.8	1.8
92.5°	17.4	48.7	14.7	13.8	13.8
95°	31.2	242.4	186.4	30.3	29.4
97.5°	44.1	295.6	503.1	593.9	385.6
100°	59.7	351.6	535.2	661.9	698.6
102.5°	74.4	375.5	564.6	680.2	719.7
105°	90.9	384.6	596.7	706.9	739.9
107.5°	109.2	390.2	638.9	728.9	761.9
110°	127.6	392.9	662.8	758.3	782.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	144.1	394.7	653.6	788.6	810.6
115°	160.7	397.5	647.2	807.8	834.5
117.5°	179.0	399.3	641.7	789.5	838.1
120°	194.6	402.1	635.3	776.6	817.9
122.5°	210.2	404.8	627.9	764.7	804.2
125°	225.8	406.7	620.6	752.8	791.3
127.5°	239.6	408.5	613.2	739.9	778.5
130°	253.4	414.0	605.0	728.0	765.6
132.5°	265.3	417.7	595.8	713.3	750.9
135°	277.2	417.7	585.7	700.4	736.2
137.5°	290.1	417.7	575.6	683.9	719.7
140°	300.2	415.9	564.6	667.4	702.3
142.5°	311.2	414.0	552.6	649.9	682.1
145°	320.4	410.3	540.7	629.7	661.0
147.5°	329.6	405.8	531.5	609.6	638.0
150°	336.9	401.2	520.5	589.4	614.1
152.5°	344.3	395.7	505.8	570.1	589.4
155°	349.8	392.0	489.3	551.7	567.3
157.5°	356.2	389.2	472.8	530.6	546.2
160°	360.8	385.6	453.5	506.7	520.5
162.5°	365.4	382.8	433.3	481.0	495.7
165°	369.0	381.0	414.0	452.6	464.5
167.5°	371.8	380.1	400.2	424.1	432.4
170°	374.5	379.1	391.1	404.8	407.6
172.5°	376.4	379.1	383.7	390.2	391.1
175°	378.2	380.1	380.1	381.9	381.0
177.5°	378.2	379.1	377.3	378.2	376.4
180°	377.3	377.3	377.3	377.3	377.3

(END OF REPORT)