

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: P253584

Luminaire Tested: **J3-UL-40L93050-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253584
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-40L93050-1D-UNV-W2A-W-4 (4000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (336) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3685.9 lumens
Efficiency: N/A
Efficacy: 128.9 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

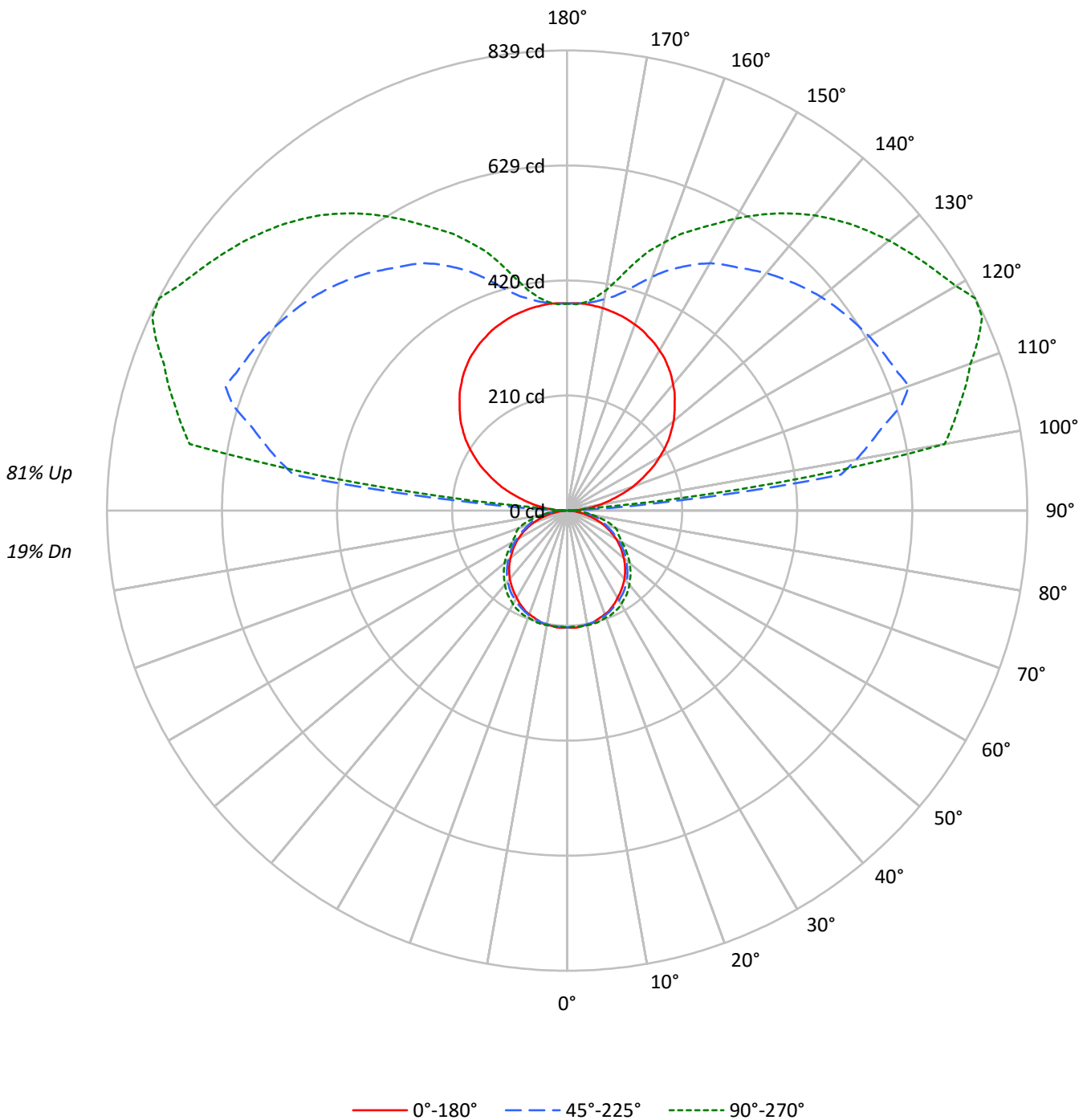
Input Watts (W): 28.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1734	1720	1720
10°	1732	1724	1740
15°	1728	1735	1766
20°	1729	1744	1784
25°	1726	1751	1816
30°	1712	1764	1841
35°	1711	1774	1856
40°	1714	1772	1859
45°	1709	1772	1867
50°	1696	1765	1869
55°	1681	1758	1862
60°	1661	1736	1868
65°	1614	1719	1966
70°	1560	1735	2233
75°	1432	1978	2265
80°	1237	2008	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°	91.3	2.5
30°-40°	112.9	3.1
40°-50°	120.4	3.3
50°-60°	112.2	3.0
60°-70°	91.6	2.5
70°-80°	63.0	1.7
80°-90°	24.7	0.7
90°-100°	214.6	5.8
100°-110°	556.2	15.1
110°-120°	577.1	15.7
120°-130°	513.6	13.9
130°-140°	427.9	11.6
140°-150°	325.9	8.8
150°-160°	219.5	6.0
160°-170°	119.1	3.2
170°-180°	36.7	1.0
0°-30°	170.5	4.6
0°-40°	283.3	7.7
0°-60°	515.9	14.0
0°-90°	695.2	18.9
90°-120°	1347.9	36.6
90°-150°	2615.4	71.0
90°-180°	2991.0	81.1
0°-180°	3685.9	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	197	202	204	89
35°	174	175	180	186	188	109
45°	150	152	155	161	164	115
55°	119	122	125	129	132	107
65°	84	86	90	98	103	84
75°	46	49	63	71	73	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	648	808	835	160
125°	226	407	621	753	792	201
135°	277	418	586	701	737	214
145°	321	411	541	630	661	201
155°	350	392	490	552	568	162
165°	369	381	414	453	465	104
175°	378	380	380	382	381	36
180°	378	378	378	378	378	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	213.1	213.1	213.1	213.1	213.1
2.5°	214.0	214.0	212.2	212.2	212.2
5°	214.0	214.0	212.2	212.2	212.2
7.5°	212.2	213.1	212.2	212.2	212.2
10°	211.3	211.3	210.3	211.3	212.2
12.5°	210.3	210.3	209.4	211.3	212.2
15°	206.7	207.6	207.6	210.3	211.3
17.5°	203.9	204.8	205.7	208.5	209.4
20°	201.2	201.2	203.0	206.7	207.6
22.5°	198.4	198.4	200.2	204.8	206.7
25°	193.8	193.8	196.6	202.1	203.9
27.5°	189.2	190.1	192.9	198.4	201.2
30°	183.7	185.5	189.2	194.7	197.5
32.5°	179.1	180.9	184.6	190.1	192.0
35°	173.6	175.4	180.0	185.5	188.3
37.5°	168.1	169.9	174.5	180.0	182.8
40°	162.6	164.4	168.1	174.5	176.4
42.5°	156.1	158.0	162.6	168.1	169.9
45°	149.7	151.6	155.2	160.7	163.5
47.5°	142.4	145.1	147.9	153.4	156.1
50°	135.0	137.8	140.5	146.0	148.8
52.5°	126.8	130.4	133.2	137.8	140.5
55°	119.4	122.2	124.9	128.6	132.3
57.5°	111.1	113.9	116.7	121.2	124.0
60°	102.9	104.7	107.5	112.1	115.7
62.5°	93.7	96.4	98.3	103.8	109.3
65°	84.5	86.3	90.0	98.3	102.9
67.5°	75.3	77.2	80.8	92.8	100.1
70°	66.1	68.0	73.5	90.0	94.6
72.5°	55.1	57.9	67.1	82.7	84.5
75°	45.9	48.7	63.4	70.7	72.6
77.5°	35.8	39.5	54.2	58.8	59.7
80°	26.6	33.1	43.2	46.8	46.8
82.5°	17.5	27.6	33.1	36.7	36.7
85°	10.1	19.3	23.9	27.6	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°	17.5	48.7	14.7	13.8	13.8
95°	31.2	242.5	186.5	30.3	29.4
97.5°	44.1	295.8	503.3	594.3	385.8
100°	59.7	351.8	535.5	662.2	699.0
102.5°	74.4	375.7	564.9	680.6	720.1
105°	90.9	384.9	597.0	707.3	740.3
107.5°	109.3	390.4	639.3	729.3	762.4
110°	127.7	393.1	663.2	758.7	782.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	144.2	395.0	654.0	789.0	811.0
115°	160.7	397.7	647.6	808.3	834.9
117.5°	179.1	399.6	642.0	789.9	838.6
120°	194.7	402.3	635.6	777.1	818.4
122.5°	210.3	405.1	628.3	765.1	804.6
125°	226.0	406.9	620.9	753.2	791.8
127.5°	239.7	408.7	613.6	740.3	778.9
130°	253.5	414.2	605.3	728.4	766.0
132.5°	265.5	417.9	596.1	713.7	751.3
135°	277.4	417.9	586.0	700.8	736.6
137.5°	290.2	417.9	575.9	684.3	720.1
140°	300.4	416.1	564.9	667.8	702.7
142.5°	311.4	414.2	552.9	650.3	682.5
145°	320.6	410.6	541.0	630.1	661.3
147.5°	329.7	406.0	531.8	609.9	638.4
150°	337.1	401.4	520.8	589.7	614.5
152.5°	344.4	395.9	506.1	570.4	589.7
155°	350.0	392.2	489.6	552.0	567.6
157.5°	356.4	389.4	473.0	530.9	546.5
160°	361.0	385.8	453.7	507.0	520.8
162.5°	365.6	383.0	433.5	481.3	496.0
165°	369.2	381.2	414.2	452.8	464.8
167.5°	372.0	380.3	400.5	424.4	432.6
170°	374.8	379.3	391.3	405.1	407.8
172.5°	376.6	379.3	383.9	390.4	391.3
175°	378.4	380.3	380.3	382.1	381.2
177.5°	378.4	379.3	377.5	378.4	376.6
180°	377.5	377.5	377.5	377.5	377.5

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