

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: P275198

Luminaire Tested: **J3-UL-30L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275198
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-30L92765-1D-UNV-W2A-W-4 (6500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2858.8 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.44
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

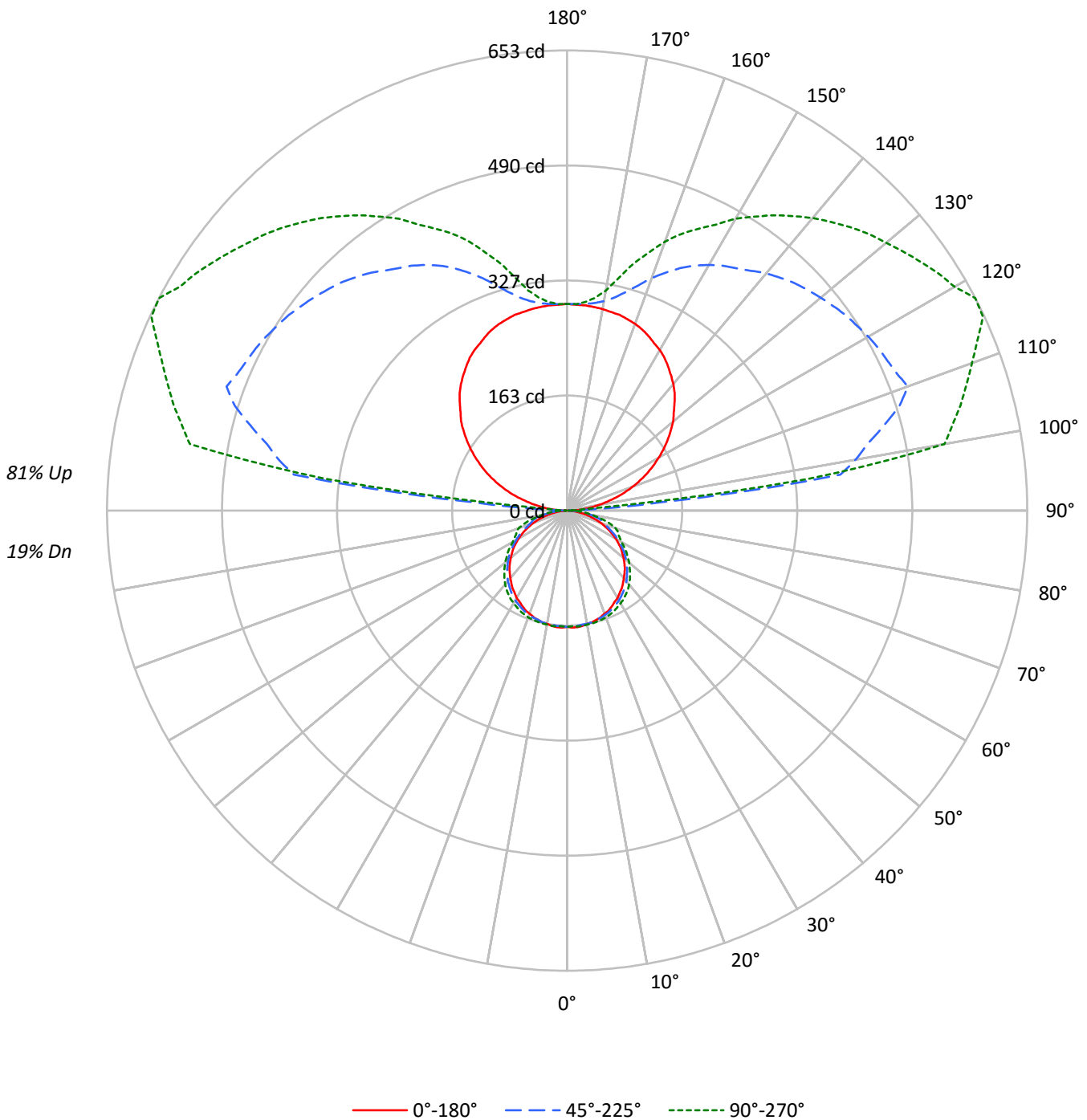
Input Watts (W): 21.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	27	27	27	19				
1	91	86	83	79	80	76	73	70	57	55	53	40	39	37	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°	1333	1333	1333
5°	1346	1331	1338
10°	1338	1338	1346
15°	1341	1341	1364
20°	1337	1353	1386
25°	1335	1361	1403
30°	1336	1371	1415
35°	1328	1375	1431
40°	1320	1381	1441
45°	1322	1376	1441
50°	1311	1370	1442
55°	1309	1362	1443
60°	1287	1348	1440
65°	1251	1324	1522
70°	1187	1343	1725
75°	1095	1538	1747
80°	972	1543	1678
85°	787	1760	1936



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	0.5
10°-20°	45.6	1.6
20°-30°	70.7	2.5
30°-40°	87.5	3.1
40°-50°	93.3	3.3
50°-60°	86.9	3.0
60°-70°	70.9	2.5
70°-80°	48.6	1.7
80°-90°	19.0	0.7
90°-100°	167.0	5.8
100°-110°	431.9	15.1
110°-120°	447.8	15.7
120°-130°	398.0	13.9
130°-140°	331.7	11.6
140°-150°	252.9	8.8
150°-160°	170.4	6.0
160°-170°	92.4	3.2
170°-180°	28.4	1.0
0°-30°	132.1	4.6
0°-40°	219.6	7.7
0°-60°	399.8	14.0
0°-90°	538.3	18.8
90°-120°	1046.7	36.6
90°-150°	2029.4	71.0
90°-180°	2321.0	81.2
0°-180°	2858.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	165	165	165	165	165	
5°	166	165	164	164	165	16
15°	160	160	160	162	163	45
25°	150	151	153	157	158	69
35°	135	136	140	144	145	84
45°	116	118	120	125	126	89
55°	93	94	97	101	102	83
65°	66	67	69	76	80	64
75°	35	38	49	55	56	37
85°	8	15	19	21	21	10
90°	1	2	2	1	1	3
95°	24	187	132	23	23	24
105°	72	299	465	548	578	76
115°	125	308	502	626	651	124
125°	174	315	483	583	614	155
135°	215	325	456	542	568	166
145°	250	319	420	490	512	156
155°	273	305	380	429	441	126
165°	288	295	321	352	362	81
175°	292	293	294	296	297	28
180°	293	293	293	293	293	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	165.1	165.1	165.1	165.1	165.1
2.5°	166.1	166.1	164.2	164.2	164.2
5°	166.1	165.1	164.2	164.2	165.1
7.5°	165.1	165.1	163.2	164.2	165.1
10°	163.2	163.2	163.2	164.2	164.2
12.5°	162.3	162.3	162.3	163.2	164.2
15°	160.4	160.4	160.4	162.3	163.2
17.5°	158.5	158.5	159.4	161.3	162.3
20°	155.6	156.6	157.5	160.4	161.3
22.5°	153.7	153.7	155.6	158.5	159.4
25°	149.9	150.9	152.8	156.6	157.5
27.5°	146.1	147.1	149.9	153.7	154.7
30°	143.3	144.2	147.1	150.9	151.8
32.5°	138.6	140.5	143.3	148.0	149.0
35°	134.8	135.7	139.5	144.2	145.2
37.5°	130.0	131.9	134.8	139.5	141.4
40°	125.3	127.2	131.0	135.7	136.7
42.5°	120.5	122.4	125.3	130.0	131.9
45°	115.8	117.7	120.5	125.3	126.2
47.5°	110.1	112.0	114.8	119.6	120.5
50°	104.4	106.3	109.1	112.9	114.8
52.5°	98.7	100.6	103.4	107.2	108.2
55°	93.0	94.0	96.8	100.6	102.5
57.5°	86.4	88.3	90.2	94.0	95.8
60°	79.7	80.7	83.5	87.3	89.2
62.5°	72.1	74.0	76.9	80.7	84.5
65°	65.5	67.4	69.3	75.9	79.7
67.5°	57.9	59.8	62.6	71.2	77.8
70°	50.3	52.2	56.9	69.3	73.1
72.5°	42.7	44.6	52.2	63.6	65.5
75°	35.1	38.0	49.3	55.0	56.0
77.5°	27.5	30.4	41.8	44.6	45.6
80°	20.9	25.6	33.2	36.1	36.1
82.5°	14.2	21.8	25.6	27.5	28.5
85°	8.5	15.2	19.0	20.9	20.9
87.5°	4.7	9.5	13.3	16.1	15.2
90°	0.9	1.9	1.9	0.9	0.9
92.5°	13.3	38.9	11.4	10.4	10.4
95°	23.7	187.0	131.9	22.8	22.8
97.5°	34.2	228.7	391.0	460.3	346.4
100°	45.6	271.4	415.7	514.4	543.8
102.5°	57.9	291.3	436.5	528.6	559.9
105°	72.1	298.9	465.0	548.5	577.9
107.5°	85.4	303.7	494.4	566.6	594.1
110°	98.7	305.6	514.4	587.4	611.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	112.0	307.5	506.8	612.1	630.1
115°	125.3	308.4	502.0	626.3	651.0
117.5°	137.6	310.3	498.2	612.1	652.9
120°	149.9	312.2	493.5	600.7	634.9
122.5°	162.3	314.1	487.8	592.2	625.4
125°	173.7	315.1	483.0	582.7	614.0
127.5°	185.1	317.0	476.4	573.2	602.6
130°	196.4	320.8	469.8	562.8	591.2
132.5°	205.0	323.6	463.1	553.3	580.8
135°	215.4	324.6	456.5	541.9	568.5
137.5°	225.9	324.6	447.9	530.5	555.2
140°	234.4	323.6	439.4	517.2	541.9
142.5°	242.0	321.7	428.9	503.9	526.7
145°	249.6	318.9	419.5	489.7	511.5
147.5°	257.2	316.0	411.9	474.5	494.4
150°	262.9	312.2	402.4	458.4	478.3
152.5°	267.6	307.5	391.9	443.2	457.4
155°	273.3	304.6	379.6	428.9	441.3
157.5°	278.1	300.8	365.4	413.8	425.2
160°	281.9	298.9	351.1	393.8	406.2
162.5°	284.7	296.1	335.0	373.9	383.4
165°	287.5	295.1	320.8	352.1	362.5
167.5°	288.5	293.2	309.4	329.3	337.8
170°	290.4	293.2	301.8	313.2	317.0
172.5°	291.3	293.2	297.0	302.7	304.6
175°	292.3	293.2	294.2	296.1	297.0
177.5°	292.3	293.2	293.2	293.2	293.2
180°	293.2	293.2	293.2	293.2	293.2

(END OF REPORT)