

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: P275177

Luminaire Tested: **J3-UL-20L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275177
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-20L92765-1D-UNV-W2A-W-4 (3500K)
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 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2005.2 lumens
Efficiency: N/A
Efficacy: 123.8 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

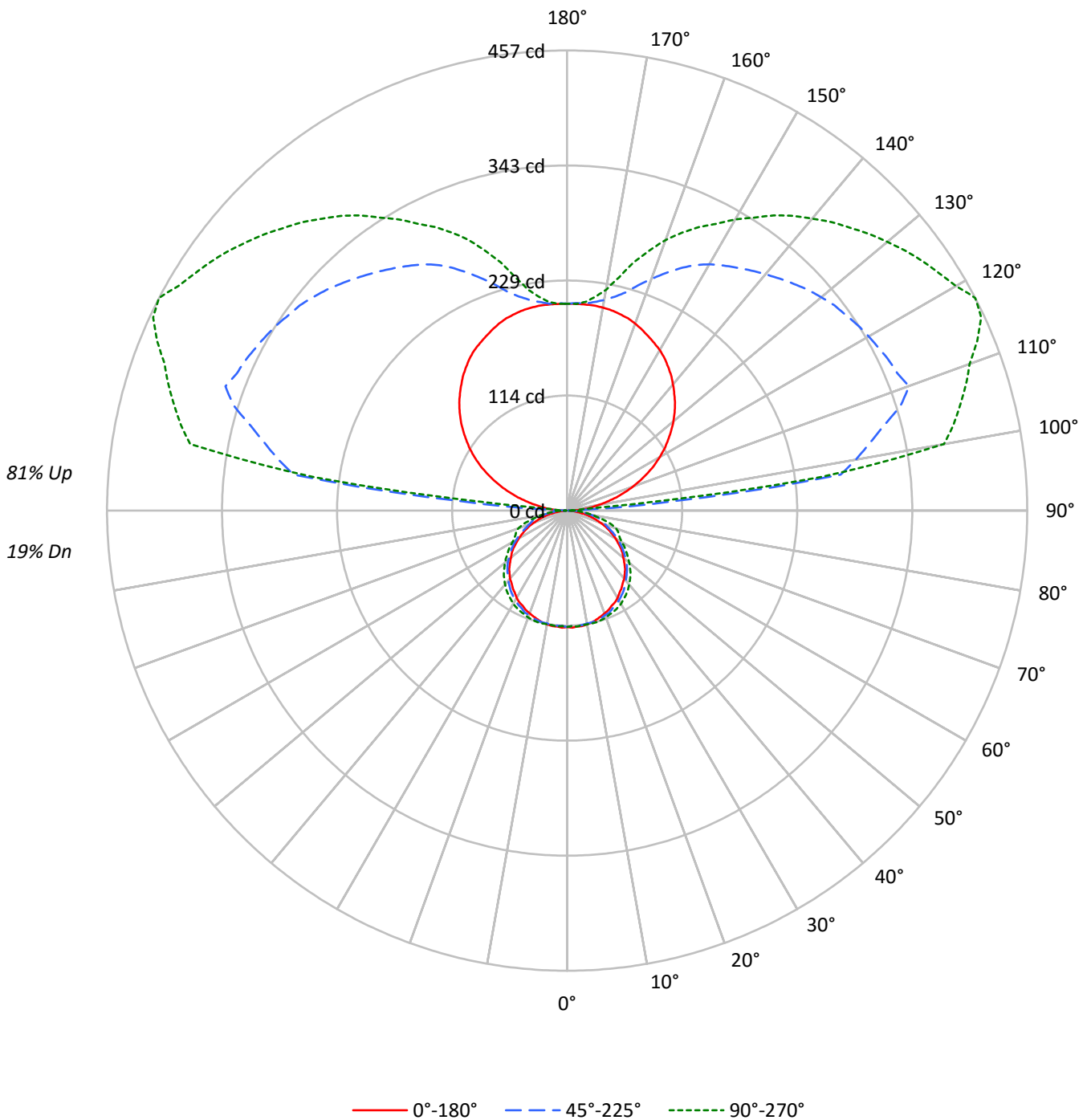
Input Watts (W): 16.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	82	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	19	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°	933	933	933
5°	937	930	937
10°	940	933	940
15°	937	944	959
20°	934	948	971
25°	930	953	983
30°	934	957	997
35°	928	962	1004
40°	929	956	1011
45°	928	958	1016
50°	914	957	1011
55°	916	951	1012
60°	898	940	1009
65°	867	932	1079
70°	828	949	1213
75°	774	1095	1229
80°	637	1074	1195
85°	556	1186	1352



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	0.5
10°-20°	32.0	1.6
20°-30°	49.6	2.5
30°-40°	61.2	3.1
40°-50°	65.2	3.3
50°-60°	60.8	3.0
60°-70°	49.8	2.5
70°-80°	34.3	1.7
80°-90°	13.4	0.7
90°-100°	119.4	6.0
100°-110°	302.4	15.1
110°-120°	313.4	15.6
120°-130°	279.4	13.9
130°-140°	232.5	11.6
140°-150°	177.0	8.8
150°-160°	119.2	5.9
160°-170°	64.8	3.2
170°-180°	19.9	1.0
0°-30°	92.6	4.6
0°-40°	153.8	7.7
0°-60°	279.8	14.0
0°-90°	377.3	18.8
90°-120°	735.2	36.7
90°-150°	1424.0	71.0
90°-180°	1628.0	81.2
0°-180°	2005.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	116	116	116	116	116	
5°	116	116	115	116	116	11
15°	112	113	113	114	115	32
25°	104	105	107	110	110	48
35°	94	95	98	101	102	59
45°	81	82	84	87	89	62
55°	65	66	68	70	72	58
65°	45	47	49	54	56	45
75°	25	26	35	38	39	26
85°	6	10	13	15	15	7
90°	1	1	1	1	1	2
95°	17	132	104	16	16	17
105°	50	209	325	384	404	53
115°	88	216	353	438	454	87
125°	122	221	338	410	431	109
135°	152	228	318	381	397	117
145°	175	223	294	342	358	109
155°	191	212	265	300	311	88
165°	202	207	224	246	255	57
175°	205	205	206	208	208	20
180°	205	205	205	205	205	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	115.6	115.6	115.6	115.6	115.6
2.5°	116.4	116.4	114.7	115.6	114.7
5°	115.6	115.6	114.7	115.6	115.6
7.5°	115.6	115.6	114.7	115.6	114.7
10°	114.7	114.7	113.8	114.7	114.7
12.5°	113.8	113.8	113.8	114.7	114.7
15°	112.1	113.0	113.0	113.8	114.7
17.5°	110.4	111.3	112.1	113.0	113.8
20°	108.7	109.6	110.4	112.1	113.0
22.5°	107.0	107.9	109.6	111.3	111.3
25°	104.4	105.3	107.0	109.6	110.4
27.5°	102.7	103.6	105.3	107.9	108.7
30°	100.2	101.0	102.7	106.1	107.0
32.5°	96.7	98.4	100.2	103.6	104.4
35°	94.2	95.0	97.6	101.0	101.9
37.5°	90.7	91.6	94.2	97.6	99.3
40°	88.2	89.0	90.7	94.2	95.9
42.5°	84.7	85.6	87.3	90.7	92.4
45°	81.3	82.2	83.9	87.3	89.0
47.5°	77.0	78.8	80.5	83.0	84.7
50°	72.8	74.5	76.2	79.6	80.5
52.5°	69.3	70.2	71.9	74.5	76.2
55°	65.1	65.9	67.6	70.2	71.9
57.5°	59.9	61.6	63.3	65.9	67.6
60°	55.6	57.4	58.2	61.6	62.5
62.5°	50.5	52.2	53.9	56.5	59.1
65°	45.4	47.1	48.8	53.9	56.5
67.5°	41.1	41.9	43.7	50.5	54.8
70°	35.1	36.8	40.2	48.8	51.4
72.5°	30.0	31.7	36.8	44.5	46.2
75°	24.8	26.5	35.1	38.5	39.4
77.5°	19.7	21.4	30.0	31.7	31.7
80°	13.7	18.0	23.1	25.7	25.7
82.5°	9.4	15.4	18.0	19.7	19.7
85°	6.0	10.3	12.8	14.6	14.6
87.5°	3.4	6.8	10.3	11.1	11.1
90°	0.9	0.9	0.9	0.9	0.9
92.5°	9.4	27.4	7.7	7.7	7.7
95°	17.1	131.8	104.4	16.3	16.3
97.5°	24.0	160.1	273.9	339.0	253.4
100°	31.7	190.0	291.0	359.5	380.1
102.5°	40.2	203.7	307.3	370.6	392.9
105°	50.5	208.9	325.3	384.3	404.0
107.5°	59.9	211.4	347.5	396.3	415.2
110°	69.3	213.1	361.2	410.0	425.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	78.8	214.0	355.2	428.0	440.8
115°	88.2	215.7	352.7	438.3	453.7
117.5°	97.6	216.6	349.2	428.0	457.1
120°	106.1	218.3	345.8	422.0	446.0
122.5°	114.7	219.1	342.4	416.0	438.3
125°	122.4	220.8	338.1	410.0	431.4
127.5°	130.1	222.6	334.7	403.2	423.7
130°	137.8	225.1	329.6	396.3	415.2
132.5°	144.7	226.8	324.4	388.6	406.6
135°	151.5	227.7	318.4	380.9	397.2
137.5°	157.5	227.7	312.4	372.4	388.6
140°	163.5	226.8	306.4	362.9	378.4
142.5°	169.5	226.0	300.5	352.7	368.9
145°	174.6	223.4	294.5	342.4	357.8
147.5°	179.8	220.8	288.5	331.3	345.0
150°	184.0	217.4	282.5	319.3	333.8
152.5°	187.5	214.9	274.8	309.0	321.0
155°	190.9	212.3	265.4	299.6	310.7
157.5°	194.3	210.6	255.1	288.5	298.7
160°	197.7	209.7	244.8	275.6	285.9
162.5°	200.3	208.0	234.5	261.1	270.5
165°	202.0	207.2	224.3	246.5	255.1
167.5°	203.7	206.3	217.4	230.3	237.1
170°	204.6	205.4	212.3	219.1	222.6
172.5°	205.4	205.4	208.9	212.3	214.0
175°	205.4	205.4	206.3	208.0	208.0
177.5°	205.4	206.3	206.3	206.3	205.4
180°	205.4	205.4	205.4	205.4	205.4

(END OF REPORT)