

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: P275179

Luminaire Tested: **J3-UL-20L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275179
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 (4500K)
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 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2122.3 lumens
Efficiency: N/A
Efficacy: 128.6 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

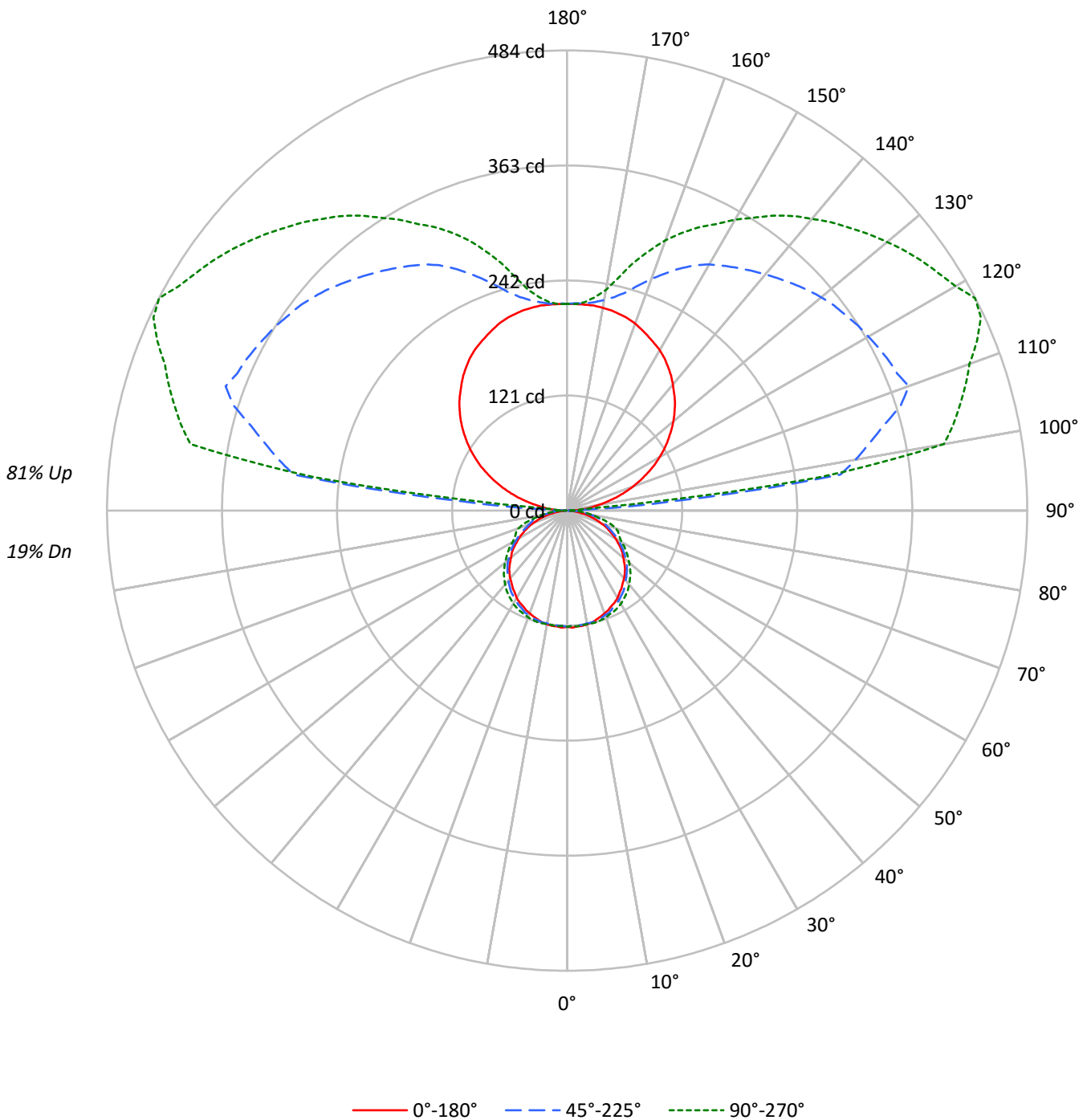
Input Watts (W): 16.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	987	987	987
5°	991	984	991
10°	995	988	995
15°	992	1000	1015
20°	989	1004	1027
25°	984	1008	1041
30°	988	1013	1055
35°	983	1018	1062
40°	983	1012	1070
45°	983	1014	1075
50°	967	1012	1070
55°	970	1008	1071
60°	951	995	1067
65°	917	986	1142
70°	876	1006	1284
75°	820	1157	1301
80°	674	1139	1265
85°	584	1260	1426



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.6	0.5
10°-20°	33.9	1.6
20°-30°	52.5	2.5
30°-40°	64.8	3.1
40°-50°	69.0	3.3
50°-60°	64.4	3.0
60°-70°	52.7	2.5
70°-80°	36.3	1.7
80°-90°	14.1	0.7
90°-100°	126.4	6.0
100°-110°	320.0	15.1
110°-120°	331.7	15.6
120°-130°	295.8	13.9
130°-140°	246.1	11.6
140°-150°	187.3	8.8
150°-160°	126.1	5.9
160°-170°	68.6	3.2
170°-180°	21.1	1.0
0°-30°	98.0	4.6
0°-40°	162.8	7.7
0°-60°	296.2	14.0
0°-90°	399.3	18.8
90°-120°	778.1	36.7
90°-150°	1507.3	71.0
90°-180°	1723.0	81.2
0°-180°	2122.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	122	122	122	122	122	
5°	122	122	121	122	122	12
15°	119	120	120	120	121	34
25°	110	111	113	116	117	51
35°	100	101	103	107	108	62
45°	86	87	89	92	94	66
55°	69	70	72	74	76	61
65°	48	50	52	57	60	48
75°	26	28	37	41	42	28
85°	6	11	14	15	15	7
90°	1	1	1	1	1	2
95°	18	140	110	17	17	18
105°	54	221	344	407	428	56
115°	93	228	373	464	480	92
125°	130	234	358	434	457	116
135°	160	241	337	403	420	124
145°	185	236	312	362	379	116
155°	202	225	281	317	329	93
165°	214	219	237	261	270	60
175°	217	217	218	220	220	21
180°	217	217	217	217	217	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	122.3	122.3	122.3	122.3	122.3
2.5°	123.2	123.2	121.4	122.3	121.4
5°	122.3	122.3	121.4	122.3	122.3
7.5°	122.3	122.3	121.4	122.3	121.4
10°	121.4	121.4	120.5	121.4	121.4
12.5°	120.5	120.5	120.5	121.4	121.4
15°	118.7	119.6	119.6	120.5	121.4
17.5°	116.9	117.8	118.7	119.6	120.5
20°	115.1	116.0	116.9	118.7	119.6
22.5°	113.2	114.2	116.0	117.8	117.8
25°	110.5	111.4	113.2	116.0	116.9
27.5°	108.7	109.6	111.4	114.2	115.1
30°	106.0	106.9	108.7	112.3	113.2
32.5°	102.4	104.2	106.0	109.6	110.5
35°	99.7	100.6	103.3	106.9	107.8
37.5°	96.0	96.9	99.7	103.3	105.1
40°	93.3	94.2	96.0	99.7	101.5
42.5°	89.7	90.6	92.4	96.0	97.8
45°	86.1	87.0	88.8	92.4	94.2
47.5°	81.5	83.4	85.2	87.9	89.7
50°	77.0	78.8	80.6	84.3	85.2
52.5°	73.4	74.3	76.1	78.8	80.6
55°	68.9	69.8	71.6	74.3	76.1
57.5°	63.4	65.2	67.0	69.8	71.6
60°	58.9	60.7	61.6	65.2	66.1
62.5°	53.5	55.3	57.1	59.8	62.5
65°	48.0	49.8	51.6	57.1	59.8
67.5°	43.5	44.4	46.2	53.5	58.0
70°	37.1	39.0	42.6	51.6	54.4
72.5°	31.7	33.5	39.0	47.1	48.9
75°	26.3	28.1	37.1	40.8	41.7
77.5°	20.8	22.6	31.7	33.5	33.5
80°	14.5	19.0	24.5	27.2	27.2
82.5°	10.0	16.3	19.0	20.8	20.8
85°	6.3	10.9	13.6	15.4	15.4
87.5°	3.6	7.2	10.9	11.8	11.8
90°	0.9	0.9	0.9	0.9	0.9
92.5°	10.0	29.0	8.2	8.2	8.2
95°	18.1	139.5	110.5	17.2	17.2
97.5°	25.4	169.4	289.9	358.8	268.2
100°	33.5	201.1	308.0	380.5	402.3
102.5°	42.6	215.6	325.3	392.3	415.9
105°	53.5	221.1	344.3	406.8	427.6
107.5°	63.4	223.8	367.8	419.5	439.4
110°	73.4	225.6	382.3	434.0	450.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	83.4	226.5	376.0	453.0	466.6
115°	93.3	228.3	373.3	463.9	480.2
117.5°	103.3	229.2	369.6	453.0	483.8
120°	112.3	231.0	366.0	446.7	472.0
122.5°	121.4	231.9	362.4	440.3	463.9
125°	129.6	233.7	357.9	434.0	456.6
127.5°	137.7	235.6	354.2	426.7	448.5
130°	145.9	238.3	348.8	419.5	439.4
132.5°	153.1	240.1	343.4	411.3	430.3
135°	160.4	241.0	337.0	403.2	420.4
137.5°	166.7	241.0	330.7	394.1	411.3
140°	173.0	240.1	324.3	384.1	400.5
142.5°	179.4	239.2	318.0	373.3	390.5
145°	184.8	236.5	311.7	362.4	378.7
147.5°	190.3	233.7	305.3	350.6	365.1
150°	194.8	230.1	299.0	337.9	353.3
152.5°	198.4	227.4	290.8	327.1	339.7
155°	202.0	224.7	280.9	317.1	328.9
157.5°	205.7	222.9	270.0	305.3	316.2
160°	209.3	222.0	259.1	291.7	302.6
162.5°	212.0	220.2	248.2	276.3	286.3
165°	213.8	219.3	237.4	260.9	270.0
167.5°	215.6	218.3	230.1	243.7	251.0
170°	216.5	217.4	224.7	231.9	235.6
172.5°	217.4	217.4	221.1	224.7	226.5
175°	217.4	217.4	218.3	220.2	220.2
177.5°	217.4	218.3	218.3	218.3	217.4
180°	217.4	217.4	217.4	217.4	217.4

(END OF REPORT)