

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: P274977

Luminaire Tested: **J3-CL-20L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274977
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-CL-20L82765-1D-UNV-W2A-W-4 (3500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2192.0 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

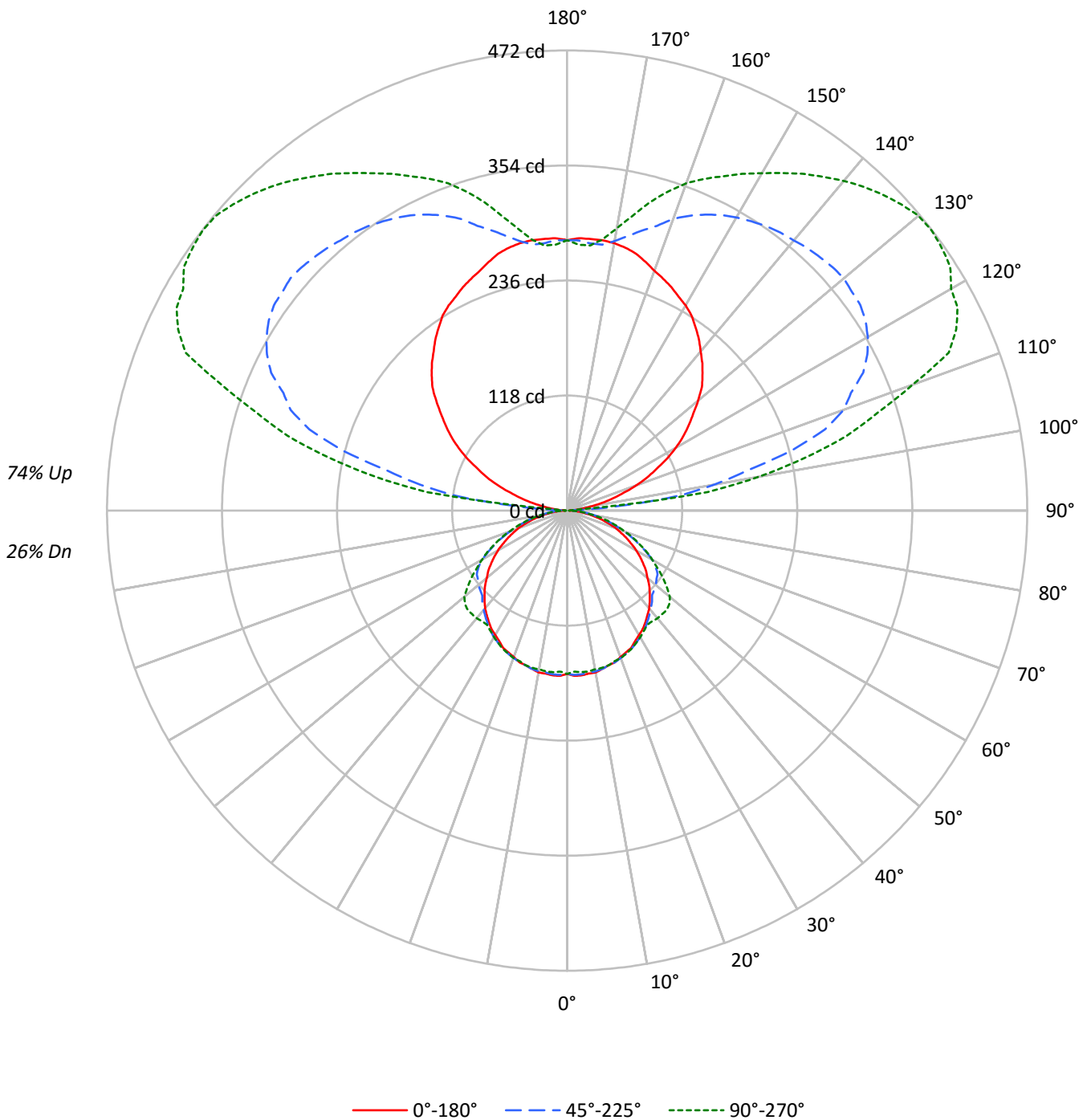
Input Watts (W): 16.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26				
1	92	88	84	80	82	78	75	72	61	58	56	44	43	42	29	28	28	21				
2	84	76	70	65	74	68	63	59	53	49	46	38	36	34	25	24	23	17				
3	76	67	60	54	67	60	54	49	46	42	38	34	31	29	22	21	19	14				
4	69	59	51	45	61	53	46	41	41	36	32	30	27	24	20	18	16	12				
5	63	52	44	38	56	47	40	35	36	31	28	27	23	21	18	16	14	10				
6	58	46	39	33	52	42	35	30	32	28	24	24	21	18	16	14	12	9				
7	54	42	34	29	48	37	31	26	29	24	21	22	18	16	14	12	11	8				
8	50	38	30	25	44	34	27	23	26	22	18	20	16	14	13	11	9	7				
9	46	34	27	22	41	31	24	20	24	19	16	18	15	12	12	10	8	6				
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	8	6				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1352	1352	1352
5°	1375	1366	1348
10°	1382	1373	1355
15°	1372	1372	1372
20°	1373	1382	1382
25°	1383	1393	1393
30°	1375	1396	1396
35°	1378	1399	1410
40°	1379	1403	1520
45°	1368	1405	1646
50°	1351	1491	1728
55°	1343	1593	1686
60°	1326	1631	1631
65°	1293	1547	1568
70°	1258	1466	1492
75°	1176	1385	1419
80°	1083	1339	1288
85°	1028	1436	1232



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.0	0.7
10°-20°	46.4	2.1
20°-30°	71.6	3.3
30°-40°	88.9	4.1
40°-50°	99.5	4.5
50°-60°	97.2	4.4
60°-70°	76.7	3.5
70°-80°	46.4	2.1
80°-90°	16.5	0.8
90°-100°	56.9	2.6
100°-110°	220.2	10.0
110°-120°	302.6	13.8
120°-130°	306.1	14.0
130°-140°	271.3	12.4
140°-150°	214.6	9.8
150°-160°	149.8	6.8
160°-170°	84.8	3.9
170°-180°	26.6	1.2
0°-30°	134.0	6.1
0°-40°	222.9	10.2
0°-60°	419.5	19.1
0°-90°	559.1	25.5
90°-120°	579.7	26.4
90°-150°	1371.7	62.6
90°-180°	1633.0	74.5
0°-180°	2192.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	168	168	168	168	168	
5°	170	168	169	168	166	16
15°	164	163	164	164	164	47
25°	155	153	156	156	156	71
35°	140	140	142	143	143	88
45°	120	121	123	139	144	92
55°	95	96	113	120	120	85
65°	68	71	81	82	82	67
75°	38	44	44	46	46	40
85°	11	18	16	14	13	12
90°	2	7	6	1	1	2
95°	9	44	53	11	11	11
105°	49	158	238	275	297	52
115°	101	213	335	415	440	101
125°	152	246	367	447	469	136
135°	196	271	367	439	458	151
145°	230	277	356	408	422	144
155°	253	271	335	372	378	117
165°	273	272	297	323	327	77
175°	280	276	275	275	273	27
180°	277	277	277	277	277	



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CATALOG NUMBER: J3-CL-20L82765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	167.5	167.5	167.5	167.5	167.5
2.5°	169.7	167.5	168.6	167.5	165.3
5°	169.7	167.5	168.6	167.5	166.4
7.5°	168.6	167.5	167.5	166.4	166.4
10°	168.6	166.4	167.5	166.4	165.3
12.5°	166.4	165.3	166.4	165.3	165.3
15°	164.2	163.1	164.2	164.2	164.2
17.5°	163.1	160.9	163.1	163.1	162.0
20°	159.8	158.6	160.9	160.9	160.9
22.5°	157.5	156.4	158.6	158.6	158.6
25°	155.3	153.1	156.4	156.4	156.4
27.5°	150.9	150.9	153.1	154.2	153.1
30°	147.5	146.4	149.8	150.9	149.8
32.5°	144.2	143.1	146.4	147.5	146.4
35°	139.8	139.8	142.0	143.1	143.1
37.5°	135.3	135.3	137.6	138.7	143.1
40°	130.9	130.9	133.1	139.8	144.2
42.5°	125.4	125.4	128.7	138.7	144.2
45°	119.8	120.9	123.1	138.7	144.2
47.5°	114.3	115.4	120.9	137.6	142.0
50°	107.6	109.8	118.7	134.2	137.6
52.5°	102.1	103.2	115.4	128.7	128.7
55°	95.4	96.5	113.2	119.8	119.8
57.5°	88.8	89.9	107.6	109.8	109.8
60°	82.1	83.2	101.0	101.0	101.0
62.5°	74.3	76.5	91.0	92.1	92.1
65°	67.7	71.0	81.0	82.1	82.1
67.5°	59.9	65.5	72.1	73.2	73.2
70°	53.3	59.9	62.1	63.2	63.2
72.5°	45.5	52.1	53.3	54.4	54.4
75°	37.7	44.4	44.4	45.5	45.5
77.5°	30.0	35.5	36.6	36.6	36.6
80°	23.3	26.6	28.8	27.7	27.7
82.5°	16.6	21.1	21.1	21.1	20.0
85°	11.1	17.8	15.5	14.4	13.3
87.5°	6.7	15.5	8.9	7.8	7.8
90°	2.2	6.7	5.5	1.1	1.1
92.5°	4.4	11.1	5.5	4.4	3.3
95°	8.9	44.4	53.3	11.1	11.1
97.5°	16.6	74.3	114.3	135.3	145.3
100°	25.5	110.9	153.1	187.5	199.7
102.5°	36.6	134.2	188.6	231.9	249.6
105°	48.8	157.5	238.5	275.1	297.3
107.5°	61.0	175.3	277.3	318.4	333.9
110°	75.4	189.7	301.8	372.8	377.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	88.8	200.8	315.1	399.4	423.8
115°	101.0	213.0	335.0	414.9	440.4
117.5°	115.4	221.9	347.2	423.8	451.5
120°	128.7	229.6	356.1	434.9	454.8
122.5°	140.9	238.5	362.8	443.8	465.9
125°	152.0	246.3	367.2	447.1	469.3
127.5°	163.1	252.9	368.3	448.2	471.5
130°	175.3	259.6	370.5	447.1	470.4
132.5°	187.5	266.3	369.4	443.8	464.8
135°	196.4	270.7	367.2	439.3	458.2
137.5°	205.2	274.0	365.0	432.7	450.4
140°	213.0	276.2	361.7	424.9	441.5
142.5°	221.9	277.3	359.4	417.1	431.5
145°	229.6	277.3	356.1	408.3	421.6
147.5°	237.4	276.2	351.7	399.4	410.5
150°	243.0	274.0	347.2	390.5	399.4
152.5°	247.4	271.8	341.7	380.5	389.4
155°	252.9	270.7	335.0	371.6	378.3
157.5°	257.4	270.7	327.3	361.7	368.3
160°	261.8	270.7	318.4	351.7	357.2
162.5°	267.4	270.7	306.2	337.3	342.8
165°	272.9	271.8	297.3	322.8	327.3
167.5°	276.2	271.8	288.4	305.1	309.5
170°	278.5	274.0	280.7	292.9	294.0
172.5°	279.6	276.2	275.1	280.7	280.7
175°	279.6	276.2	275.1	275.1	272.9
177.5°	279.6	277.3	277.3	276.2	272.9
180°	277.3	277.3	277.3	277.3	277.3

(END OF REPORT)