

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: P274976

Luminaire Tested: **J3-CL-20L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274976
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 (3000K)
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 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2118.0 lumens
Efficiency: N/A
Efficacy: 131.6 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

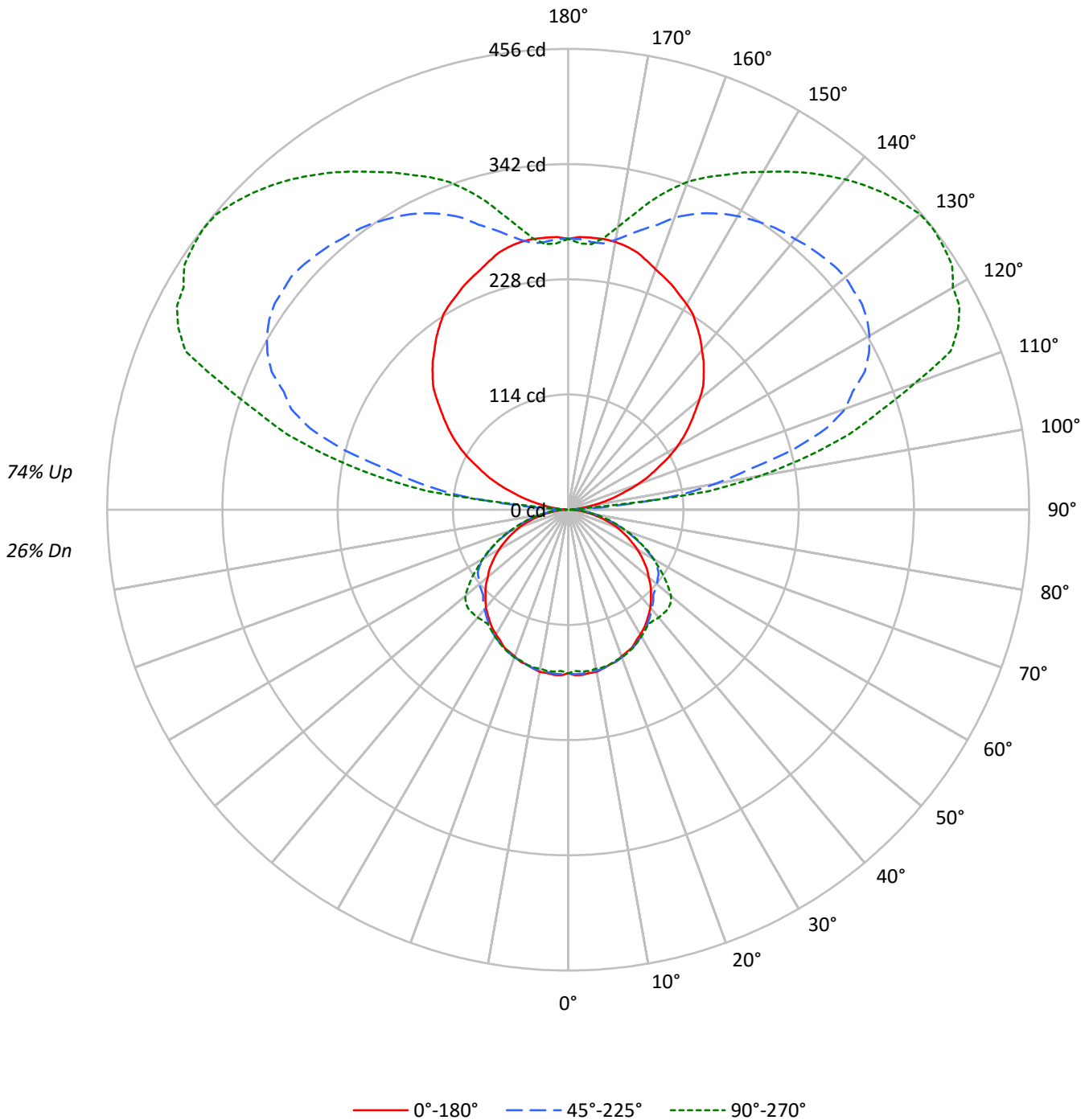
Input Watts (W): 16.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1307	1307	1307
5°	1329	1320	1303
10°	1335	1327	1309
15°	1326	1326	1326
20°	1326	1335	1335
25°	1337	1346	1346
30°	1329	1349	1349
35°	1331	1352	1363
40°	1333	1355	1468
45°	1322	1359	1590
50°	1306	1441	1669
55°	1298	1538	1630
60°	1280	1574	1574
65°	1249	1494	1515
70°	1216	1416	1442
75°	1135	1338	1369
80°	1046	1297	1246
85°	991	1389	1195



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.4	0.7
10°-20°	44.8	2.1
20°-30°	69.2	3.3
30°-40°	85.9	4.1
40°-50°	96.1	4.5
50°-60°	93.9	4.4
60°-70°	74.1	3.5
70°-80°	44.8	2.1
80°-90°	16.0	0.8
90°-100°	55.0	2.6
100°-110°	212.8	10.0
110°-120°	292.4	13.8
120°-130°	295.8	14.0
130°-140°	262.1	12.4
140°-150°	207.3	9.8
150°-160°	144.8	6.8
160°-170°	81.9	3.9
170°-180°	25.7	1.2
0°-30°	129.5	6.1
0°-40°	215.3	10.2
0°-60°	405.3	19.1
0°-90°	540.2	25.5
90°-120°	560.1	26.4
90°-150°	1325.4	62.6
90°-180°	1578.0	74.5
0°-180°	2118.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	162	162	162	162	162	
5°	164	162	163	162	161	16
15°	159	158	159	159	159	45
25°	150	148	151	151	151	69
35°	135	135	137	138	138	85
45°	116	117	119	134	139	89
55°	92	93	109	116	116	82
65°	65	69	78	79	79	64
75°	36	43	43	44	44	39
85°	11	17	15	14	13	11
90°	2	6	5	1	1	2
95°	9	43	52	11	11	11
105°	47	152	230	266	287	50
115°	98	206	324	401	426	97
125°	147	238	355	432	453	131
135°	190	262	355	424	443	146
145°	222	268	344	394	407	139
155°	244	262	324	359	366	113
165°	264	263	287	312	316	74
175°	270	267	266	266	264	26
180°	268	268	268	268	268	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	161.9	161.9	161.9	161.9	161.9
2.5°	164.0	161.9	162.9	161.9	159.7
5°	164.0	161.9	162.9	161.9	160.8
7.5°	162.9	161.9	161.9	160.8	160.8
10°	162.9	160.8	161.9	160.8	159.7
12.5°	160.8	159.7	160.8	159.7	159.7
15°	158.6	157.6	158.6	158.6	158.6
17.5°	157.6	155.4	157.6	157.6	156.5
20°	154.4	153.3	155.4	155.4	155.4
22.5°	152.2	151.1	153.3	153.3	153.3
25°	150.1	147.9	151.1	151.1	151.1
27.5°	145.8	145.8	147.9	149.0	147.9
30°	142.6	141.5	144.7	145.8	144.7
32.5°	139.3	138.3	141.5	142.6	141.5
35°	135.1	135.1	137.2	138.3	138.3
37.5°	130.8	130.8	132.9	134.0	138.3
40°	126.5	126.5	128.6	135.1	139.3
42.5°	121.1	121.1	124.3	134.0	139.3
45°	115.8	116.8	119.0	134.0	139.3
47.5°	110.4	111.5	116.8	132.9	137.2
50°	104.0	106.1	114.7	129.7	132.9
52.5°	98.6	99.7	111.5	124.3	124.3
55°	92.2	93.3	109.3	115.8	115.8
57.5°	85.8	86.8	104.0	106.1	106.1
60°	79.3	80.4	97.5	97.5	97.5
62.5°	71.8	74.0	87.9	89.0	89.0
65°	65.4	68.6	78.2	79.3	79.3
67.5°	57.9	63.2	69.7	70.7	70.7
70°	51.5	57.9	60.0	61.1	61.1
72.5°	43.9	50.4	51.5	52.5	52.5
75°	36.4	42.9	42.9	43.9	43.9
77.5°	28.9	34.3	35.4	35.4	35.4
80°	22.5	25.7	27.9	26.8	26.8
82.5°	16.1	20.4	20.4	20.4	19.3
85°	10.7	17.2	15.0	13.9	12.9
87.5°	6.4	15.0	8.6	7.5	7.5
90°	2.1	6.4	5.4	1.1	1.1
92.5°	4.3	10.7	5.4	4.3	3.2
95°	8.6	42.9	51.5	10.7	10.7
97.5°	16.1	71.8	110.4	130.8	140.4
100°	24.7	107.2	147.9	181.2	192.9
102.5°	35.4	129.7	182.2	224.0	241.2
105°	47.2	152.2	230.5	265.8	287.3
107.5°	59.0	169.4	268.0	307.6	322.6
110°	72.9	183.3	291.6	360.2	364.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	85.8	194.0	304.4	385.9	409.5
115°	97.5	205.8	323.7	400.9	425.5
117.5°	111.5	214.4	335.5	409.5	436.3
120°	124.3	221.9	344.1	420.2	439.5
122.5°	136.1	230.5	350.5	428.8	450.2
125°	146.9	238.0	354.8	432.0	453.4
127.5°	157.6	244.4	355.9	433.0	455.6
130°	169.4	250.8	358.0	432.0	454.5
132.5°	181.2	257.3	356.9	428.8	449.1
135°	189.7	261.5	354.8	424.5	442.7
137.5°	198.3	264.8	352.7	418.0	435.2
140°	205.8	266.9	349.4	410.5	426.6
142.5°	214.4	268.0	347.3	403.0	417.0
145°	221.9	268.0	344.1	394.5	407.3
147.5°	229.4	266.9	339.8	385.9	396.6
150°	234.7	264.8	335.5	377.3	385.9
152.5°	239.0	262.6	330.1	367.7	376.2
155°	244.4	261.5	323.7	359.1	365.5
157.5°	248.7	261.5	316.2	349.4	355.9
160°	253.0	261.5	307.6	339.8	345.2
162.5°	258.3	261.5	295.8	325.9	331.2
165°	263.7	262.6	287.3	311.9	316.2
167.5°	266.9	262.6	278.7	294.8	299.1
170°	269.0	264.8	271.2	283.0	284.1
172.5°	270.1	266.9	265.8	271.2	271.2
175°	270.1	266.9	265.8	265.8	263.7
177.5°	270.1	268.0	268.0	266.9	263.7
180°	268.0	268.0	268.0	268.0	268.0

(END OF REPORT)