

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: P274990

Luminaire Tested: **J3-CL-20L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274990
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-20L92765-1D-UNV-W2A-W-4 (6500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR 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: 2129.2 lumens
Efficiency: N/A
Efficacy: 125.2 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

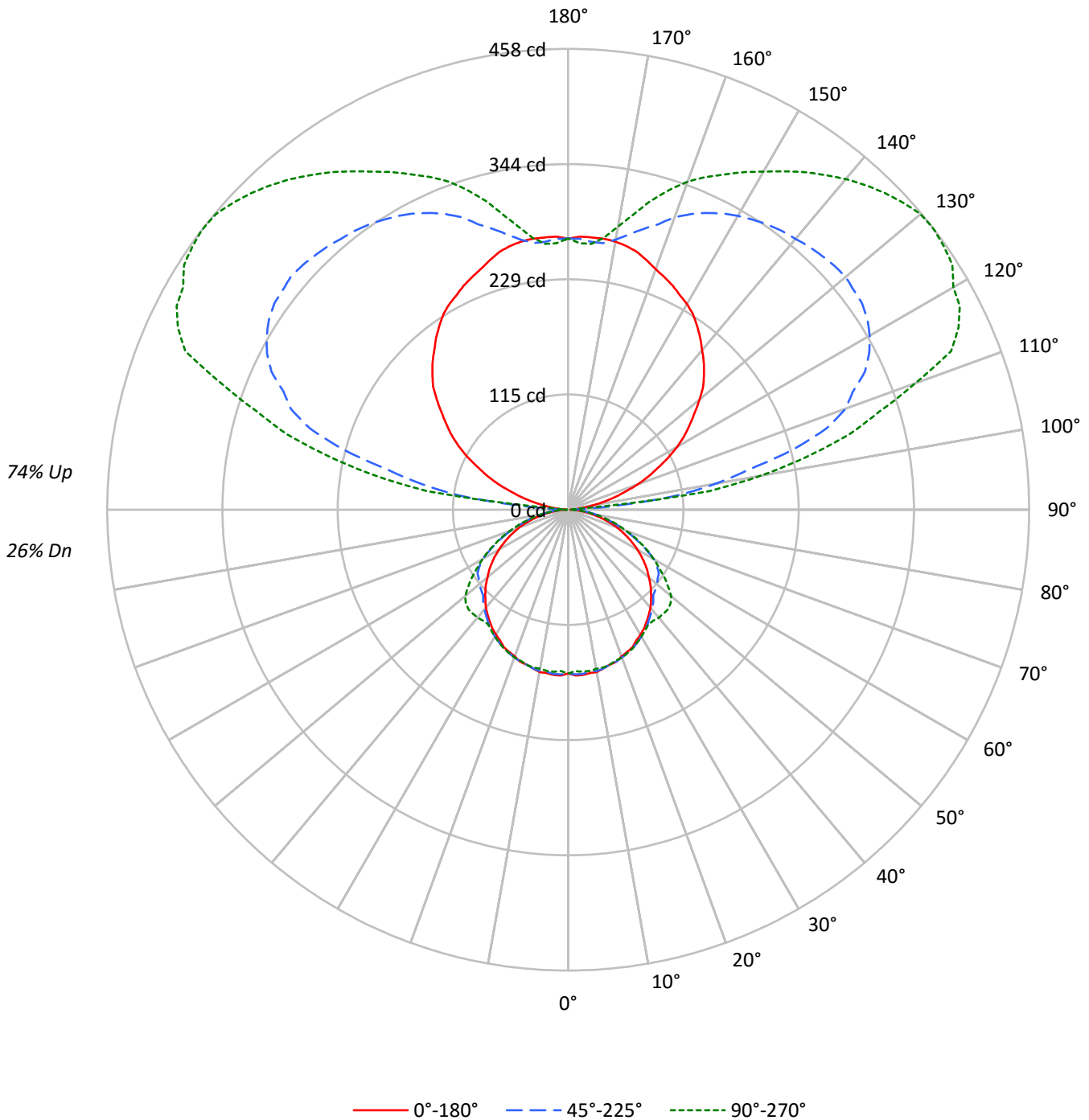
Input Watts (W): 17
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1313	1313	1313
5°	1336	1327	1310
10°	1343	1334	1317
15°	1333	1333	1333
20°	1333	1342	1342
25°	1344	1353	1353
30°	1336	1356	1356
35°	1338	1359	1370
40°	1340	1363	1476
45°	1329	1365	1600
50°	1312	1448	1678
55°	1305	1547	1638
60°	1287	1584	1584
65°	1255	1503	1522
70°	1220	1423	1449
75°	1142	1344	1379
80°	1051	1302	1251
85°	1000	1399	1195



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	0.7
10°-20°	45.0	2.1
20°-30°	69.6	3.3
30°-40°	86.3	4.1
40°-50°	96.6	4.5
50°-60°	94.4	4.4
60°-70°	74.5	3.5
70°-80°	45.1	2.1
80°-90°	16.0	0.8
90°-100°	55.3	2.6
100°-110°	213.9	10.0
110°-120°	293.9	13.8
120°-130°	297.4	14.0
130°-140°	263.5	12.4
140°-150°	208.4	9.8
150°-160°	145.5	6.8
160°-170°	82.4	3.9
170°-180°	25.8	1.2
0°-30°	130.1	6.1
0°-40°	216.5	10.2
0°-60°	407.5	19.1
0°-90°	543.1	25.5
90°-120°	563.1	26.4
90°-150°	1332.4	62.6
90°-180°	1586.0	74.5
0°-180°	2129.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	163	163	163	163	163	
5°	165	163	164	163	162	16
15°	160	158	160	160	160	45
25°	151	149	152	152	152	69
35°	136	136	138	139	139	85
45°	116	118	120	135	140	90
55°	93	94	110	116	116	83
65°	66	69	79	80	80	65
75°	37	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	153	232	267	289	50
115°	98	207	325	403	428	98
125°	148	239	357	434	456	132
135°	191	263	357	427	445	147
145°	223	269	346	397	410	140
155°	246	263	325	361	368	113
165°	265	264	289	314	318	75
175°	272	268	267	267	265	26
180°	269	269	269	269	269	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	162.7	162.7	162.7	162.7	162.7
2.5°	164.9	162.7	163.8	162.7	160.6
5°	164.9	162.7	163.8	162.7	161.6
7.5°	163.8	162.7	162.7	161.6	161.6
10°	163.8	161.6	162.7	161.6	160.6
12.5°	161.6	160.6	161.6	160.6	160.6
15°	159.5	158.4	159.5	159.5	159.5
17.5°	158.4	156.2	158.4	158.4	157.3
20°	155.2	154.1	156.2	156.2	156.2
22.5°	153.0	151.9	154.1	154.1	154.1
25°	150.9	148.7	151.9	151.9	151.9
27.5°	146.6	146.6	148.7	149.8	148.7
30°	143.3	142.2	145.5	146.6	145.5
32.5°	140.1	139.0	142.2	143.3	142.2
35°	135.8	135.8	137.9	139.0	139.0
37.5°	131.5	131.5	133.6	134.7	139.0
40°	127.2	127.2	129.3	135.8	140.1
42.5°	121.8	121.8	125.0	134.7	140.1
45°	116.4	117.5	119.6	134.7	140.1
47.5°	111.0	112.1	117.5	133.6	137.9
50°	104.5	106.7	115.3	130.4	133.6
52.5°	99.1	100.2	112.1	125.0	125.0
55°	92.7	93.7	109.9	116.4	116.4
57.5°	86.2	87.3	104.5	106.7	106.7
60°	79.7	80.8	98.1	98.1	98.1
62.5°	72.2	74.4	88.4	89.4	89.4
65°	65.7	69.0	78.7	79.7	79.7
67.5°	58.2	63.6	70.0	71.1	71.1
70°	51.7	58.2	60.3	61.4	61.4
72.5°	44.2	50.6	51.7	52.8	52.8
75°	36.6	43.1	43.1	44.2	44.2
77.5°	29.1	34.5	35.6	35.6	35.6
80°	22.6	25.9	28.0	26.9	26.9
82.5°	16.2	20.5	20.5	20.5	19.4
85°	10.8	17.2	15.1	14.0	12.9
87.5°	6.5	15.1	8.6	7.5	7.5
90°	2.2	6.5	5.4	1.1	1.1
92.5°	4.3	10.8	5.4	4.3	3.2
95°	8.6	43.1	51.7	10.8	10.8
97.5°	16.2	72.2	111.0	131.5	141.2
100°	24.8	107.8	148.7	182.1	194.0
102.5°	35.6	130.4	183.2	225.2	242.5
105°	47.4	153.0	231.7	267.2	288.8
107.5°	59.3	170.3	269.4	309.3	324.4
110°	73.3	184.3	293.1	362.1	366.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	86.2	195.0	306.0	387.9	411.6
115°	98.1	206.9	325.4	403.0	427.8
117.5°	112.1	215.5	337.3	411.6	438.6
120°	125.0	223.1	345.9	422.4	441.8
122.5°	136.9	231.7	352.4	431.0	452.6
125°	147.6	239.2	356.7	434.3	455.8
127.5°	158.4	245.7	357.8	435.3	458.0
130°	170.3	252.2	359.9	434.3	456.9
132.5°	182.1	258.6	358.8	431.0	451.5
135°	190.7	262.9	356.7	426.7	445.0
137.5°	199.4	266.2	354.5	420.3	437.5
140°	206.9	268.3	351.3	412.7	428.9
142.5°	215.5	269.4	349.1	405.2	419.2
145°	223.1	269.4	345.9	396.6	409.5
147.5°	230.6	268.3	341.6	387.9	398.7
150°	236.0	266.2	337.3	379.3	387.9
152.5°	240.3	264.0	331.9	369.6	378.2
155°	245.7	262.9	325.4	361.0	367.5
157.5°	250.0	262.9	317.9	351.3	357.8
160°	254.3	262.9	309.3	341.6	347.0
162.5°	259.7	262.9	297.4	327.6	333.0
165°	265.1	264.0	288.8	313.6	317.9
167.5°	268.3	264.0	280.2	296.3	300.6
170°	270.5	266.2	272.6	284.5	285.6
172.5°	271.6	268.3	267.2	272.6	272.6
175°	271.6	268.3	267.2	267.2	265.1
177.5°	271.6	269.4	269.4	268.3	265.1
180°	269.4	269.4	269.4	269.4	269.4

(END OF REPORT)