

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: P274984

Luminaire Tested: **J3-CL-20L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274984
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 (3000K)
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 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1828.5 lumens
Efficiency: N/A
Efficacy: 113.6 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

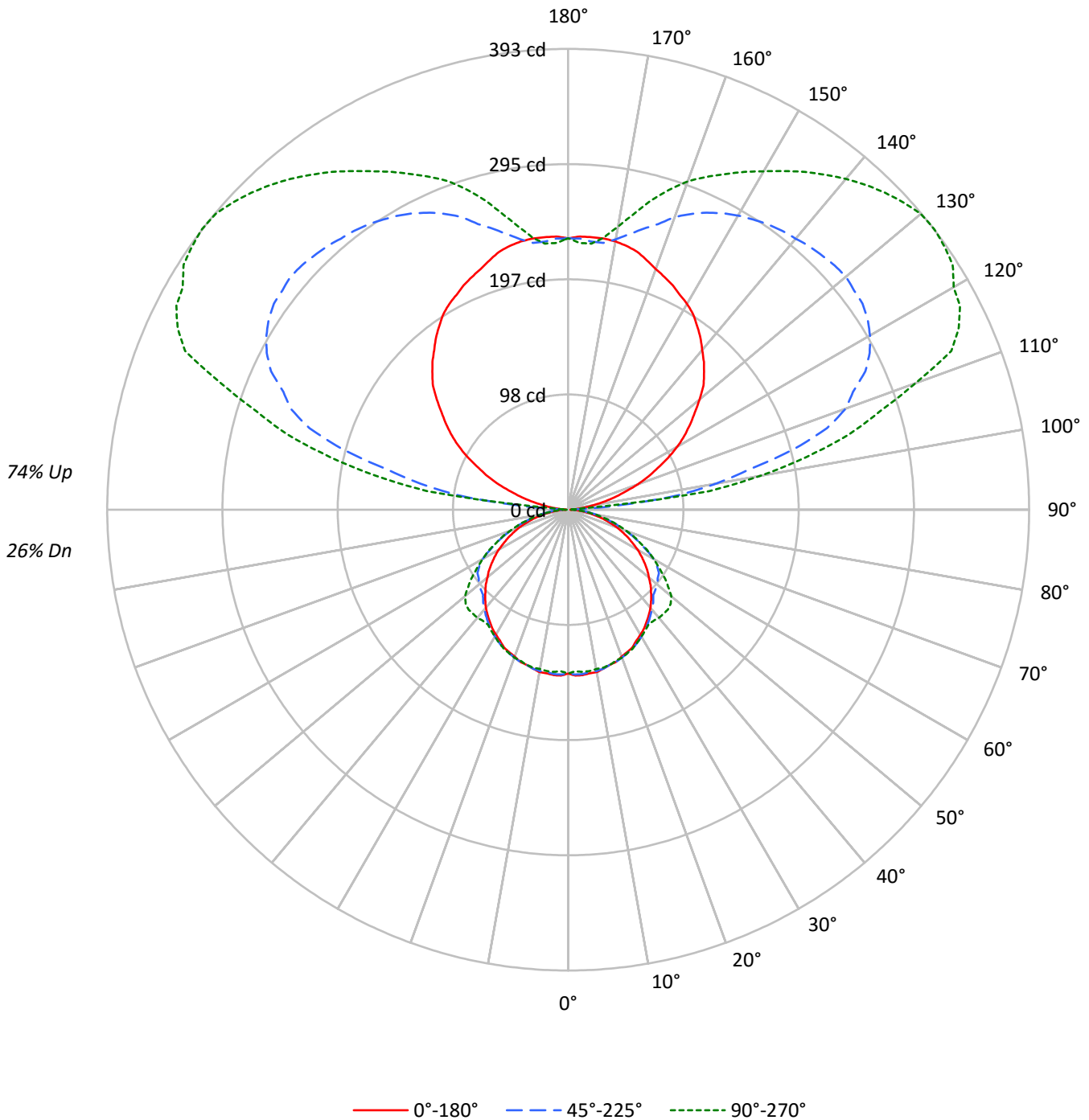
Input Watts (W): 16.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1128	1128	1128
5°	1147	1140	1125
10°	1153	1145	1130
15°	1145	1145	1145
20°	1145	1153	1153
25°	1154	1162	1162
30°	1148	1164	1164
35°	1149	1168	1177
40°	1151	1171	1268
45°	1141	1173	1373
50°	1128	1243	1442
55°	1120	1329	1406
60°	1106	1359	1359
65°	1079	1291	1309
70°	1048	1223	1244
75°	983	1154	1182
80°	902	1120	1074
85°	861	1204	1028



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.3	0.7
10°-20°	38.7	2.1
20°-30°	59.8	3.3
30°-40°	74.1	4.1
40°-50°	83.0	4.5
50°-60°	81.1	4.4
60°-70°	64.0	3.5
70°-80°	38.7	2.1
80°-90°	13.8	0.8
90°-100°	47.5	2.6
100°-110°	183.7	10.0
110°-120°	252.4	13.8
120°-130°	255.4	14.0
130°-140°	226.3	12.4
140°-150°	179.0	9.8
150°-160°	125.0	6.8
160°-170°	70.7	3.9
170°-180°	22.2	1.2
0°-30°	111.8	6.1
0°-40°	185.9	10.2
0°-60°	349.9	19.1
0°-90°	466.4	25.5
90°-120°	483.6	26.4
90°-150°	1144.3	62.6
90°-180°	1362.0	74.5
0°-180°	1828.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	140	140	140	140	140	
5°	142	140	141	140	139	13
15°	137	136	137	137	137	39
25°	130	128	130	130	130	59
35°	117	117	118	119	119	73
45°	100	101	103	116	120	77
55°	80	80	94	100	100	71
65°	56	59	68	68	68	56
75°	32	37	37	38	38	33
85°	9	15	13	12	11	10
90°	2	6	5	1	1	2
95°	7	37	44	9	9	9
105°	41	131	199	230	248	43
115°	84	178	280	346	367	84
125°	127	205	306	373	392	113
135°	164	226	306	366	382	126
145°	192	231	297	341	352	120
155°	211	226	280	310	316	97
165°	228	227	248	269	273	64
175°	233	230	230	230	228	22
180°	231	231	231	231	231	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	139.7	139.7	139.7	139.7	139.7
2.5°	141.6	139.7	140.7	139.7	137.9
5°	141.6	139.7	140.7	139.7	138.8
7.5°	140.7	139.7	139.7	138.8	138.8
10°	140.7	138.8	139.7	138.8	137.9
12.5°	138.8	137.9	138.8	137.9	137.9
15°	137.0	136.0	137.0	137.0	137.0
17.5°	136.0	134.2	136.0	136.0	135.1
20°	133.3	132.3	134.2	134.2	134.2
22.5°	131.4	130.5	132.3	132.3	132.3
25°	129.6	127.7	130.5	130.5	130.5
27.5°	125.9	125.9	127.7	128.6	127.7
30°	123.1	122.2	124.9	125.9	124.9
32.5°	120.3	119.4	122.2	123.1	122.2
35°	116.6	116.6	118.5	119.4	119.4
37.5°	112.9	112.9	114.8	115.7	119.4
40°	109.2	109.2	111.1	116.6	120.3
42.5°	104.6	104.6	107.3	115.7	120.3
45°	99.9	100.9	102.7	115.7	120.3
47.5°	95.3	96.2	100.9	114.8	118.5
50°	89.8	91.6	99.0	112.0	114.8
52.5°	85.1	86.1	96.2	107.3	107.3
55°	79.6	80.5	94.4	99.9	99.9
57.5°	74.0	75.0	89.8	91.6	91.6
60°	68.5	69.4	84.2	84.2	84.2
62.5°	62.0	63.9	75.9	76.8	76.8
65°	56.5	59.2	67.6	68.5	68.5
67.5°	50.0	54.6	60.2	61.1	61.1
70°	44.4	50.0	51.8	52.7	52.7
72.5°	37.9	43.5	44.4	45.3	45.3
75°	31.5	37.0	37.0	37.9	37.9
77.5°	25.0	29.6	30.5	30.5	30.5
80°	19.4	22.2	24.1	23.1	23.1
82.5°	13.9	17.6	17.6	17.6	16.7
85°	9.3	14.8	13.0	12.0	11.1
87.5°	5.6	13.0	7.4	6.5	6.5
90°	1.9	5.6	4.6	0.9	0.9
92.5°	3.7	9.3	4.6	3.7	2.8
95°	7.4	37.0	44.4	9.3	9.3
97.5°	13.9	62.0	95.3	112.9	121.2
100°	21.3	92.5	127.7	156.4	166.6
102.5°	30.5	112.0	157.3	193.4	208.2
105°	40.7	131.4	199.0	229.5	248.0
107.5°	50.9	146.2	231.4	265.6	278.6
110°	62.9	158.2	251.7	310.9	314.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	74.0	167.5	262.8	333.2	353.5
115°	84.2	177.7	279.5	346.1	367.4
117.5°	96.2	185.1	289.7	353.5	376.6
120°	107.3	191.6	297.1	362.8	379.4
122.5°	117.5	199.0	302.6	370.2	388.7
125°	126.8	205.4	306.3	372.9	391.5
127.5°	136.0	211.0	307.2	373.9	393.3
130°	146.2	216.5	309.1	372.9	392.4
132.5°	156.4	222.1	308.2	370.2	387.8
135°	163.8	225.8	306.3	366.5	382.2
137.5°	171.2	228.6	304.5	360.9	375.7
140°	177.7	230.4	301.7	354.4	368.3
142.5°	185.1	231.4	299.8	348.0	360.0
145°	191.6	231.4	297.1	340.6	351.7
147.5°	198.0	230.4	293.4	333.2	342.4
150°	202.7	228.6	289.7	325.7	333.2
152.5°	206.4	226.7	285.0	317.4	324.8
155°	211.0	225.8	279.5	310.0	315.6
157.5°	214.7	225.8	273.0	301.7	307.2
160°	218.4	225.8	265.6	293.4	298.0
162.5°	223.0	225.8	255.4	281.3	286.0
165°	227.7	226.7	248.0	269.3	273.0
167.5°	230.4	226.7	240.6	254.5	258.2
170°	232.3	228.6	234.1	244.3	245.2
172.5°	233.2	230.4	229.5	234.1	234.1
175°	233.2	230.4	229.5	229.5	227.7
177.5°	233.2	231.4	231.4	230.4	227.7
180°	231.4	231.4	231.4	231.4	231.4

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