

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: P274988

Luminaire Tested: **J3-CL-20L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274988
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 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2073.0 lumens
Efficiency: N/A
Efficacy: 124.9 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

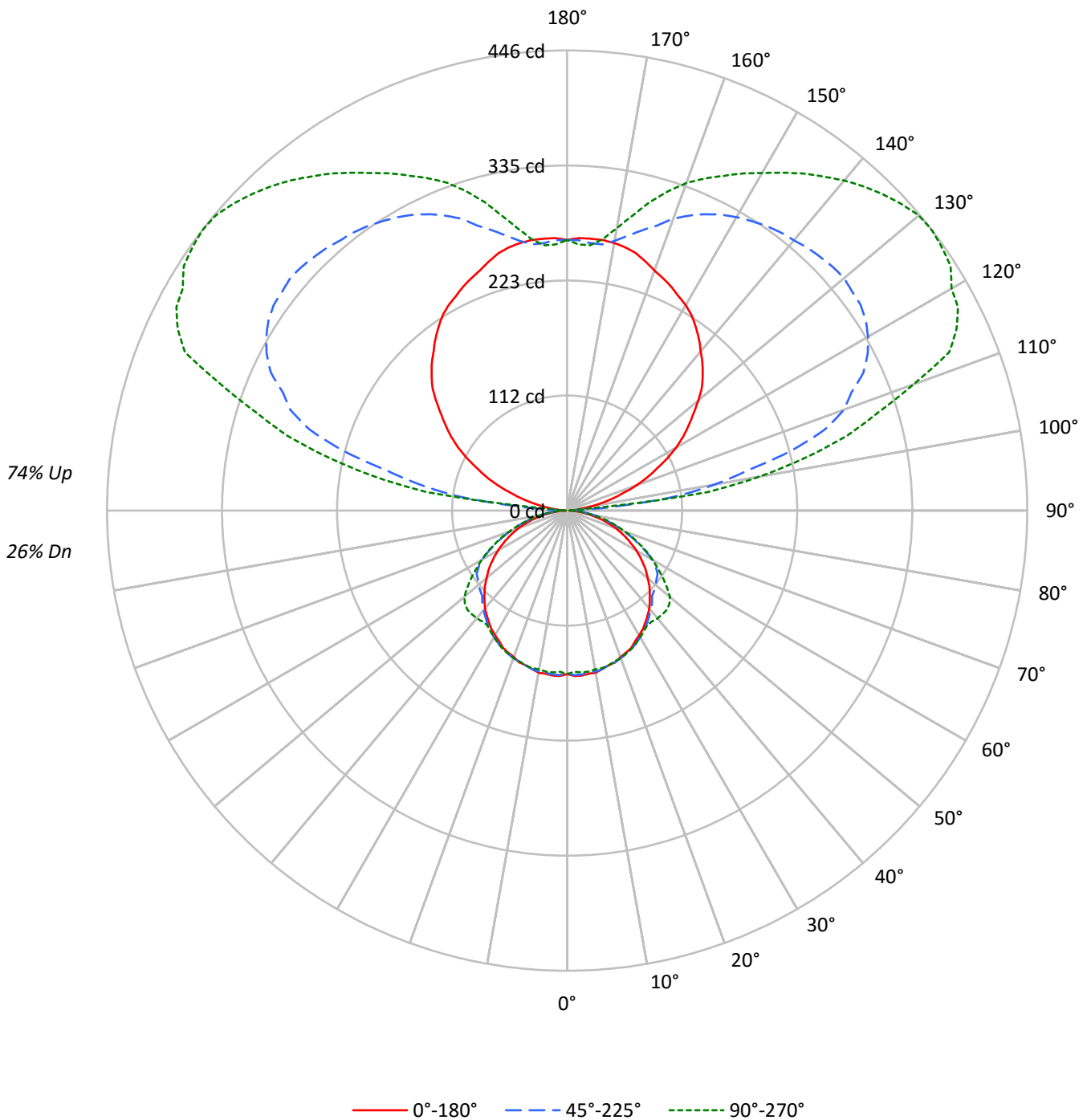
Input Watts (W): 16.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1279	1279	1279
5°	1301	1293	1276
10°	1307	1298	1281
15°	1298	1298	1298
20°	1298	1307	1307
25°	1309	1317	1317
30°	1300	1320	1320
35°	1303	1324	1333
40°	1305	1327	1437
45°	1294	1330	1557
50°	1279	1410	1634
55°	1270	1506	1595
60°	1253	1542	1542
65°	1223	1463	1482
70°	1190	1388	1412
75°	1114	1310	1341
80°	1023	1269	1218
85°	973	1362	1167



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.1	0.7
10°-20°	43.8	2.1
20°-30°	67.8	3.3
30°-40°	84.0	4.1
40°-50°	94.1	4.5
50°-60°	91.9	4.4
60°-70°	72.5	3.5
70°-80°	43.9	2.1
80°-90°	15.6	0.8
90°-100°	53.8	2.6
100°-110°	208.2	10.0
110°-120°	286.2	13.8
120°-130°	289.5	14.0
130°-140°	256.6	12.4
140°-150°	202.9	9.8
150°-160°	141.7	6.8
160°-170°	80.2	3.9
170°-180°	25.1	1.2
0°-30°	126.7	6.1
0°-40°	210.8	10.2
0°-60°	396.7	19.1
0°-90°	528.7	25.5
90°-120°	548.3	26.4
90°-150°	1297.3	62.6
90°-180°	1544.0	74.5
0°-180°	2073.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	158	158	158	158	158	
5°	160	158	160	158	157	15
15°	155	154	155	155	155	44
25°	147	145	148	148	148	67
35°	132	132	134	135	135	83
45°	113	114	116	131	136	87
55°	90	91	107	113	113	81
65°	64	67	77	78	78	63
75°	36	42	42	43	43	38
85°	10	17	15	14	13	11
90°	2	6	5	1	1	2
95°	8	42	50	10	10	10
105°	46	149	226	260	281	49
115°	96	201	317	392	416	95
125°	144	233	347	423	444	129
135°	186	256	347	416	433	143
145°	217	262	337	386	399	136
155°	239	256	317	352	358	110
165°	258	257	281	305	310	73
175°	264	261	260	260	258	25
180°	262	262	262	262	262	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	158.4	158.4	158.4	158.4	158.4
2.5°	160.5	158.4	159.5	158.4	156.3
5°	160.5	158.4	159.5	158.4	157.4
7.5°	159.5	158.4	158.4	157.4	157.4
10°	159.5	157.4	158.4	157.4	156.3
12.5°	157.4	156.3	157.4	156.3	156.3
15°	155.3	154.2	155.3	155.3	155.3
17.5°	154.2	152.1	154.2	154.2	153.2
20°	151.1	150.0	152.1	152.1	152.1
22.5°	149.0	147.9	150.0	150.0	150.0
25°	146.9	144.8	147.9	147.9	147.9
27.5°	142.7	142.7	144.8	145.8	144.8
30°	139.5	138.5	141.6	142.7	141.6
32.5°	136.4	135.3	138.5	139.5	138.5
35°	132.2	132.2	134.3	135.3	135.3
37.5°	128.0	128.0	130.1	131.1	135.3
40°	123.8	123.8	125.9	132.2	136.4
42.5°	118.6	118.6	121.7	131.1	136.4
45°	113.3	114.4	116.5	131.1	136.4
47.5°	108.1	109.1	114.4	130.1	134.3
50°	101.8	103.9	112.3	127.0	130.1
52.5°	96.5	97.6	109.1	121.7	121.7
55°	90.2	91.3	107.0	113.3	113.3
57.5°	83.9	85.0	101.8	103.9	103.9
60°	77.6	78.7	95.5	95.5	95.5
62.5°	70.3	72.4	86.0	87.1	87.1
65°	64.0	67.1	76.6	77.6	77.6
67.5°	56.7	61.9	68.2	69.2	69.2
70°	50.4	56.7	58.8	59.8	59.8
72.5°	43.0	49.3	50.4	51.4	51.4
75°	35.7	42.0	42.0	43.0	43.0
77.5°	28.3	33.6	34.6	34.6	34.6
80°	22.0	25.2	27.3	26.2	26.2
82.5°	15.7	19.9	19.9	19.9	18.9
85°	10.5	16.8	14.7	13.6	12.6
87.5°	6.3	14.7	8.4	7.3	7.3
90°	2.1	6.3	5.2	1.0	1.0
92.5°	4.2	10.5	5.2	4.2	3.1
95°	8.4	42.0	50.4	10.5	10.5
97.5°	15.7	70.3	108.1	128.0	137.4
100°	24.1	104.9	144.8	177.3	188.9
102.5°	34.6	127.0	178.4	219.3	236.1
105°	46.2	149.0	225.6	260.2	281.2
107.5°	57.7	165.8	262.3	301.1	315.8
110°	71.3	179.4	285.4	352.5	356.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	83.9	189.9	298.0	377.7	400.8
115°	95.5	201.4	316.9	392.4	416.5
117.5°	109.1	209.8	328.4	400.8	427.0
120°	121.7	217.2	336.8	411.3	430.2
122.5°	133.2	225.6	343.1	419.7	440.7
125°	143.7	232.9	347.3	422.8	443.8
127.5°	154.2	239.2	348.3	423.9	445.9
130°	165.8	245.5	350.4	422.8	444.9
132.5°	177.3	251.8	349.4	419.7	439.6
135°	185.7	256.0	347.3	415.5	433.3
137.5°	194.1	259.2	345.2	409.2	426.0
140°	201.4	261.2	342.0	401.8	417.6
142.5°	209.8	262.3	339.9	394.5	408.1
145°	217.2	262.3	336.8	386.1	398.7
147.5°	224.5	261.2	332.6	377.7	388.2
150°	229.8	259.2	328.4	369.3	377.7
152.5°	234.0	257.1	323.2	359.9	368.3
155°	239.2	256.0	316.9	351.5	357.8
157.5°	243.4	256.0	309.5	342.0	348.3
160°	247.6	256.0	301.1	332.6	337.8
162.5°	252.9	256.0	289.6	319.0	324.2
165°	258.1	257.1	281.2	305.3	309.5
167.5°	261.2	257.1	272.8	288.5	292.7
170°	263.3	259.2	265.4	277.0	278.0
172.5°	264.4	261.2	260.2	265.4	265.4
175°	264.4	261.2	260.2	260.2	258.1
177.5°	264.4	262.3	262.3	261.2	258.1
180°	262.3	262.3	262.3	262.3	262.3

(END OF REPORT)