

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: P274987

Luminaire Tested: **J3-CL-20L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274987
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 (4500K)
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 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2032.7 lumens
Efficiency: N/A
Efficacy: 123.2 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

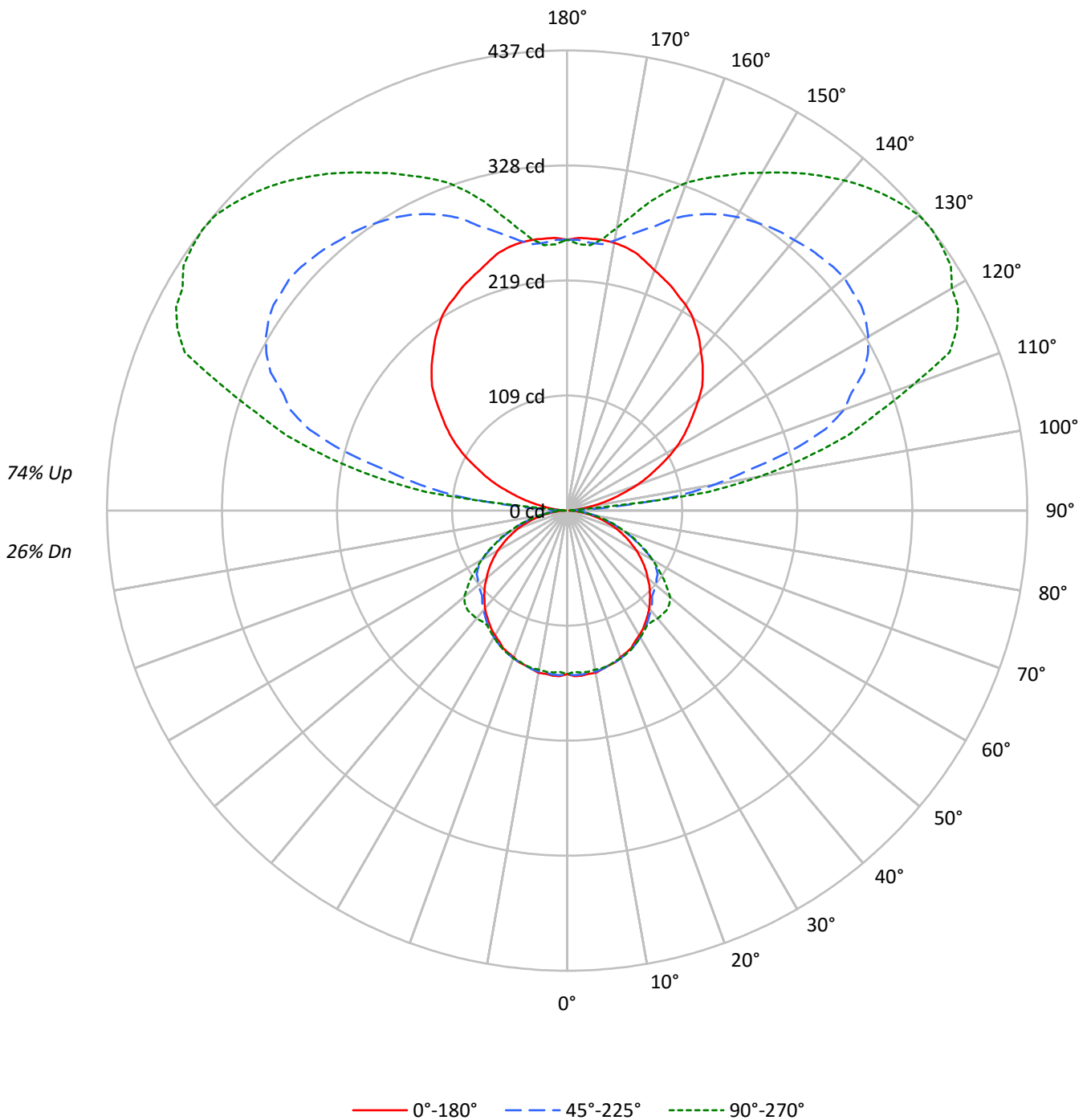
Input Watts (W): 16.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1254	1254	1254
5°	1276	1267	1250
10°	1282	1273	1257
15°	1273	1273	1273
20°	1272	1282	1282
25°	1283	1292	1292
30°	1275	1295	1295
35°	1277	1298	1308
40°	1279	1302	1409
45°	1268	1304	1526
50°	1253	1383	1603
55°	1246	1476	1564
60°	1229	1511	1511
65°	1200	1435	1454
70°	1166	1360	1383
75°	1092	1285	1316
80°	1004	1241	1195
85°	954	1334	1139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.8	0.7
10°-20°	43.0	2.1
20°-30°	66.4	3.3
30°-40°	82.4	4.1
40°-50°	92.2	4.5
50°-60°	90.1	4.4
60°-70°	71.1	3.5
70°-80°	43.0	2.1
80°-90°	15.3	0.8
90°-100°	52.8	2.6
100°-110°	204.2	10.0
110°-120°	280.6	13.8
120°-130°	283.9	14.0
130°-140°	251.6	12.4
140°-150°	199.0	9.8
150°-160°	138.9	6.8
160°-170°	78.6	3.9
170°-180°	24.6	1.2
0°-30°	124.3	6.1
0°-40°	206.7	10.2
0°-60°	389.0	19.1
0°-90°	518.4	25.5
90°-120°	537.6	26.4
90°-150°	1272.1	62.6
90°-180°	1514.0	74.5
0°-180°	2032.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	155	155	155	155	155	
5°	157	155	156	155	154	15
15°	152	151	152	152	152	43
25°	144	142	145	145	145	66
35°	130	130	132	133	133	81
45°	111	112	114	129	134	86
55°	88	90	105	111	111	79
65°	63	66	75	76	76	62
75°	35	41	41	42	42	37
85°	10	16	14	13	12	11
90°	2	6	5	1	1	2
95°	8	41	49	10	10	10
105°	45	146	221	255	276	48
115°	94	198	311	385	408	93
125°	141	228	340	415	435	126
135°	182	251	340	407	425	140
145°	213	257	330	379	391	133
155°	235	251	311	345	351	108
165°	253	252	276	299	304	71
175°	259	256	255	255	253	25
180°	257	257	257	257	257	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	155.3	155.3	155.3	155.3	155.3
2.5°	157.4	155.3	156.4	155.3	153.3
5°	157.4	155.3	156.4	155.3	154.3
7.5°	156.4	155.3	155.3	154.3	154.3
10°	156.4	154.3	155.3	154.3	153.3
12.5°	154.3	153.3	154.3	153.3	153.3
15°	152.3	151.2	152.3	152.3	152.3
17.5°	151.2	149.2	151.2	151.2	150.2
20°	148.1	147.1	149.2	149.2	149.2
22.5°	146.1	145.1	147.1	147.1	147.1
25°	144.0	142.0	145.1	145.1	145.1
27.5°	139.9	139.9	142.0	143.0	142.0
30°	136.8	135.8	138.9	139.9	138.9
32.5°	133.7	132.7	135.8	136.8	135.8
35°	129.6	129.6	131.7	132.7	132.7
37.5°	125.5	125.5	127.6	128.6	132.7
40°	121.4	121.4	123.5	129.6	133.7
42.5°	116.2	116.2	119.3	128.6	133.7
45°	111.1	112.1	114.2	128.6	133.7
47.5°	106.0	107.0	112.1	127.6	131.7
50°	99.8	101.8	110.1	124.5	127.6
52.5°	94.6	95.7	107.0	119.3	119.3
55°	88.5	89.5	104.9	111.1	111.1
57.5°	82.3	83.3	99.8	101.8	101.8
60°	76.1	77.2	93.6	93.6	93.6
62.5°	68.9	71.0	84.4	85.4	85.4
65°	62.8	65.8	75.1	76.1	76.1
67.5°	55.6	60.7	66.9	67.9	67.9
70°	49.4	55.6	57.6	58.6	58.6
72.5°	42.2	48.4	49.4	50.4	50.4
75°	35.0	41.2	41.2	42.2	42.2
77.5°	27.8	32.9	33.9	33.9	33.9
80°	21.6	24.7	26.7	25.7	25.7
82.5°	15.4	19.5	19.5	19.5	18.5
85°	10.3	16.5	14.4	13.4	12.3
87.5°	6.2	14.4	8.2	7.2	7.2
90°	2.1	6.2	5.1	1.0	1.0
92.5°	4.1	10.3	5.1	4.1	3.1
95°	8.2	41.2	49.4	10.3	10.3
97.5°	15.4	68.9	106.0	125.5	134.8
100°	23.7	102.9	142.0	173.9	185.2
102.5°	33.9	124.5	174.9	215.0	231.5
105°	45.3	146.1	221.2	255.1	275.7
107.5°	56.6	162.5	257.2	295.3	309.7
110°	70.0	175.9	279.8	345.7	349.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	82.3	186.2	292.2	370.4	393.0
115°	93.6	197.5	310.7	384.8	408.4
117.5°	107.0	205.8	322.0	393.0	418.7
120°	119.3	213.0	330.2	403.3	421.8
122.5°	130.7	221.2	336.4	411.5	432.1
125°	140.9	228.4	340.5	414.6	435.2
127.5°	151.2	234.6	341.5	415.6	437.2
130°	162.5	240.7	343.6	414.6	436.2
132.5°	173.9	246.9	342.6	411.5	431.0
135°	182.1	251.0	340.5	407.4	424.9
137.5°	190.3	254.1	338.5	401.2	417.7
140°	197.5	256.2	335.4	394.0	409.4
142.5°	205.8	257.2	333.3	386.8	400.2
145°	213.0	257.2	330.2	378.6	390.9
147.5°	220.2	256.2	326.1	370.4	380.6
150°	225.3	254.1	322.0	362.1	370.4
152.5°	229.4	252.0	316.9	352.9	361.1
155°	234.6	251.0	310.7	344.6	350.8
157.5°	238.7	251.0	303.5	335.4	341.5
160°	242.8	251.0	295.3	326.1	331.3
162.5°	247.9	251.0	283.9	312.7	317.9
165°	253.1	252.0	275.7	299.4	303.5
167.5°	256.2	252.0	267.5	282.9	287.0
170°	258.2	254.1	260.3	271.6	272.6
172.5°	259.2	256.2	255.1	260.3	260.3
175°	259.2	256.2	255.1	255.1	253.1
177.5°	259.2	257.2	257.2	256.2	253.1
180°	257.2	257.2	257.2	257.2	257.2

(END OF REPORT)