

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: P275100

Luminaire Tested: **J3-FL-30L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275100
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-FL-30L92765-1D-UNV-W2A-W-4 (5000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED 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: 2667.8 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

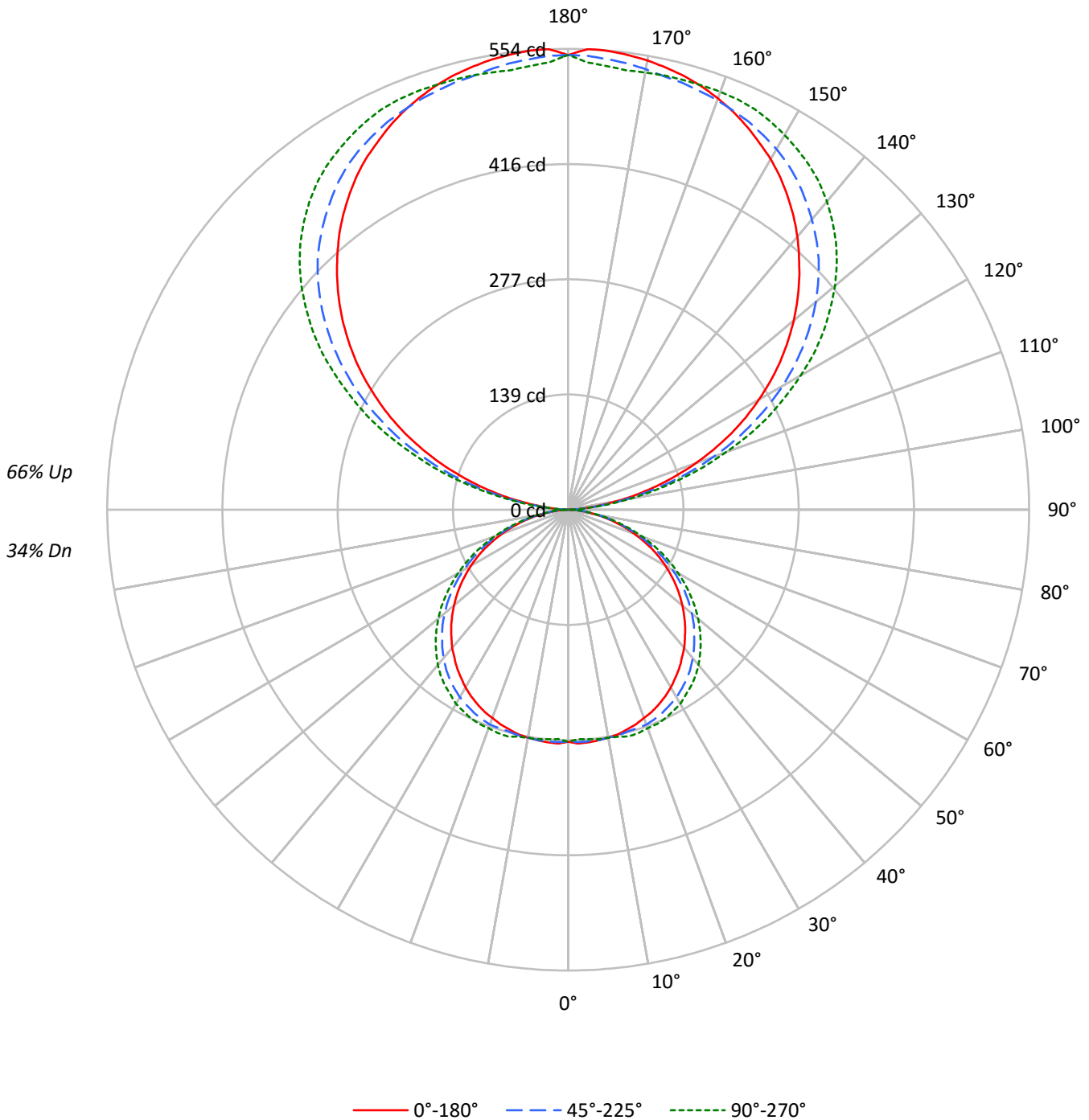
Input Watts (W): 21.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	94	90	86	82	85	81	78	75	65	62	60	50	48	47	36	35	34	28
2	85	78	72	67	77	71	65	61	56	53	50	43	41	39	31	30	29	23
3	78	68	61	55	70	62	56	51	50	45	41	38	35	33	28	26	24	19
4	71	60	52	47	64	55	48	43	44	39	35	34	30	28	25	22	21	16
5	65	53	45	40	58	48	42	36	39	34	30	30	27	24	22	20	18	14
6	60	48	40	34	53	43	36	31	35	30	26	27	23	21	20	17	15	12
7	55	43	35	30	49	39	32	27	32	26	23	25	21	18	18	16	14	11
8	51	39	31	26	46	35	29	24	29	24	20	22	19	16	16	14	12	10
9	47	35	28	23	43	32	26	21	26	21	18	20	17	14	15	13	11	9
10	44	32	25	20	40	29	23	19	24	19	16	19	15	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2252	2252	2252
5°	2276	2266	2246
10°	2281	2281	2281
15°	2286	2307	2357
20°	2289	2361	2402
25°	2299	2394	2464
30°	2300	2427	2512
35°	2294	2448	2544
40°	2285	2453	2567
45°	2270	2447	2570
50°	2248	2436	2557
55°	2224	2403	2519
60°	2183	2340	2465
65°	2115	2252	2380
70°	1992	2122	2231
75°	1831	1943	2037
80°	1590	1697	1757
85°	1269	1325	1389



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.6	1.0
10°-20°	78.3	2.9
20°-30°	123.3	4.6
30°-40°	154.0	5.8
40°-50°	164.2	6.2
50°-60°	151.4	5.7
60°-70°	116.3	4.4
70°-80°	65.9	2.5
80°-90°	17.4	0.7
90°-100°	28.0	1.0
100°-110°	131.6	4.9
110°-120°	238.6	8.9
120°-130°	306.4	11.5
130°-140°	326.0	12.2
140°-150°	300.0	11.2
150°-160°	237.5	8.9
160°-170°	150.8	5.7
170°-180°	51.7	1.9
0°-30°	228.2	8.6
0°-40°	382.2	14.3
0°-60°	697.8	26.2
0°-90°	897.3	33.6
90°-120°	398.1	14.9
90°-150°	1330.5	49.9
90°-180°	1771.0	66.4
0°-180°	2667.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	279	279	279	279	279	
5°	281	278	280	279	277	27
15°	274	272	276	281	282	77
25°	258	259	269	274	277	119
35°	233	237	248	254	258	145
45°	199	204	214	221	225	153
55°	158	163	171	176	179	141
65°	111	113	118	122	125	109
75°	59	60	62	65	65	62
85°	14	14	14	15	15	16
90°	1	1	1	0	0	2
95°	18	19	21	22	23	24
105°	110	115	126	134	137	117
115°	216	224	244	259	266	213
125°	311	321	346	364	375	278
135°	393	399	426	444	455	303
145°	460	458	481	496	505	288
155°	508	501	514	525	531	234
165°	540	531	531	533	535	152
175°	554	547	544	540	535	53
180°	547	547	547	547	547	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	278.9	278.9	278.9	278.9	278.9
2.5°	281.4	278.9	279.6	279.6	276.0
5°	280.8	278.3	279.6	278.9	277.1
7.5°	279.6	277.8	279.6	279.6	278.3
10°	278.3	276.6	278.3	278.9	278.3
12.5°	276.6	274.8	277.8	278.9	279.6
15°	273.5	272.3	276.0	280.8	282.0
17.5°	270.6	270.0	275.4	280.8	281.4
20°	266.4	266.4	274.8	278.9	279.6
22.5°	262.9	262.9	272.3	276.6	278.9
25°	258.1	258.6	268.8	274.3	276.6
27.5°	252.7	254.5	264.6	270.6	273.0
30°	246.7	249.7	260.4	266.4	269.5
32.5°	239.6	243.6	254.5	260.4	263.4
35°	232.8	237.1	248.4	254.5	258.1
37.5°	224.5	229.9	241.3	247.2	251.5
40°	216.8	222.2	232.8	239.6	243.6
42.5°	207.7	213.7	223.9	230.5	234.7
45°	198.8	204.1	214.3	220.9	225.1
47.5°	189.2	194.6	204.8	210.8	214.9
50°	179.0	184.9	194.0	199.9	203.6
52.5°	168.8	174.2	182.6	188.7	192.2
55°	158.0	162.8	170.7	176.1	179.0
57.5°	146.6	151.4	158.0	163.4	166.4
60°	135.2	138.8	144.9	150.2	152.7
62.5°	123.3	126.4	131.7	136.0	138.8
65°	110.7	113.2	117.9	122.1	124.6
67.5°	97.6	100.0	104.1	107.7	109.6
70°	84.4	86.8	89.9	92.7	94.5
72.5°	71.8	73.0	76.0	78.5	79.6
75°	58.7	59.8	62.3	64.6	65.3
77.5°	46.7	47.3	49.2	50.4	50.9
80°	34.2	35.3	36.5	37.1	37.8
82.5°	23.3	24.0	24.5	25.1	25.7
85°	13.7	14.3	14.3	15.0	15.0
87.5°	6.0	6.6	6.6	6.6	6.6
90°	0.6	0.6	0.6	0.0	0.0
92.5°	6.0	6.0	6.6	7.1	7.8
95°	18.5	19.2	21.0	22.1	23.3
97.5°	37.1	38.3	41.8	44.9	46.1
100°	59.8	62.3	67.7	71.8	73.7
102.5°	84.4	87.9	95.8	101.8	104.8
105°	110.2	115.0	125.7	133.5	137.1
107.5°	136.5	142.6	156.3	165.2	170.0
110°	162.8	170.7	185.6	197.5	201.1



TEST NUMBER: P275100

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	189.2	197.5	215.5	228.7	235.3
115°	215.5	224.5	243.6	258.6	265.9
117.5°	240.7	250.2	271.2	288.0	294.5
120°	264.6	274.8	297.6	314.9	322.7
122.5°	288.5	298.2	322.1	340.6	350.3
125°	311.3	320.9	345.5	364.5	374.8
127.5°	332.9	341.8	367.6	387.3	396.9
130°	353.8	362.2	388.5	407.8	418.5
132.5°	373.6	381.4	407.8	426.3	437.7
135°	392.8	398.7	425.7	444.2	455.0
137.5°	410.7	414.9	441.3	459.8	470.1
140°	428.6	429.9	455.6	472.9	483.7
142.5°	444.8	444.2	468.8	485.5	495.7
145°	459.8	458.0	481.3	496.3	505.3
147.5°	474.1	470.1	492.1	504.8	513.1
150°	486.7	481.3	500.5	513.1	520.2
152.5°	497.4	491.5	507.6	519.0	526.2
155°	508.3	501.1	514.2	525.0	531.1
157.5°	517.9	508.8	519.0	528.6	533.5
160°	526.2	517.3	523.8	531.1	534.7
162.5°	533.5	524.5	527.4	531.6	534.7
165°	539.5	531.1	531.1	532.8	534.7
167.5°	544.2	537.0	533.5	534.0	534.7
170°	548.4	541.2	537.6	534.0	533.5
172.5°	551.4	544.2	541.2	536.4	532.8
175°	553.7	547.3	543.5	539.5	535.2
177.5°	554.4	549.0	546.0	541.8	538.2
180°	546.6	546.6	546.6	546.6	546.6

(END OF REPORT)