

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: P275144

Luminaire Tested: **J3-FL-60L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275144
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-60L92765-1D-UNV-W2A-W-4 (3000K)
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 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4714.8 lumens
Efficiency: N/A
Efficacy: 107.9 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

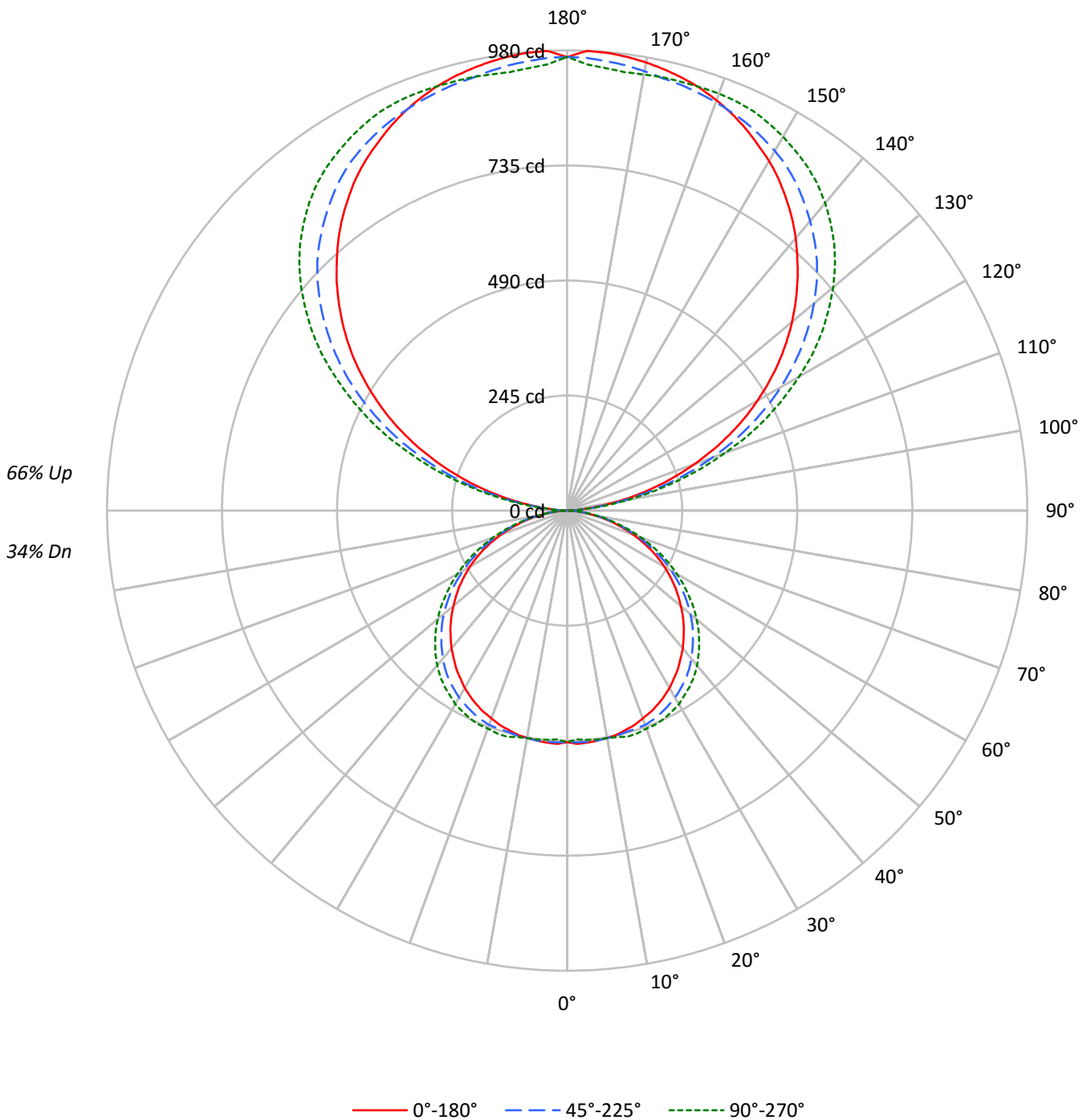
Input Watts (W): 43.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3980	3980	3980
5°	4021	4004	3969
10°	4032	4032	4032
15°	4040	4076	4165
20°	4045	4172	4245
25°	4063	4232	4354
30°	4064	4290	4439
35°	4055	4326	4495
40°	4037	4337	4537
45°	4011	4325	4542
50°	3972	4305	4519
55°	3930	4245	4452
60°	3859	4135	4356
65°	3738	3979	4206
70°	3522	3748	3944
75°	3235	3434	3596
80°	2808	2999	3106
85°	2251	2334	2455



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.0	1.0
10°-20°	138.3	2.9
20°-30°	217.9	4.6
30°-40°	272.2	5.8
40°-50°	290.2	6.2
50°-60°	267.5	5.7
60°-70°	205.5	4.4
70°-80°	116.4	2.5
80°-90°	30.7	0.7
90°-100°	49.4	1.0
100°-110°	232.6	4.9
110°-120°	421.6	8.9
120°-130°	541.5	11.5
130°-140°	576.1	12.2
140°-150°	530.1	11.2
150°-160°	419.8	8.9
160°-170°	266.5	5.7
170°-180°	91.4	1.9
0°-30°	403.2	8.6
0°-40°	675.4	14.3
0°-60°	1233.1	26.2
0°-90°	1585.7	33.6
90°-120°	703.6	14.9
90°-150°	2351.4	49.9
90°-180°	3129.0	66.4
0°-180°	4714.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	493	493	493	493	493	
5°	496	492	494	493	490	47
15°	483	481	488	496	498	137
25°	456	457	475	485	489	210
35°	412	419	439	450	456	257
45°	351	361	379	390	398	271
55°	279	288	302	311	316	249
65°	196	200	208	216	220	193
75°	104	106	110	114	115	110
85°	24	25	25	26	26	27
90°	1	1	1	0	0	3
95°	33	34	37	39	41	42
105°	195	203	222	236	242	206
115°	381	397	430	457	470	376
125°	550	567	611	644	662	491
135°	694	705	752	785	804	535
145°	813	810	851	877	893	508
155°	898	886	909	928	939	414
165°	953	939	939	942	945	269
175°	979	967	961	953	946	93
180°	966	966	966	966	966	



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CATALOG NUMBER: J3-FL-60L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	493.0	493.0	493.0	493.0	493.0
2.5°	497.3	493.0	494.1	494.1	487.7
5°	496.2	491.9	494.1	493.0	489.8
7.5°	494.1	490.9	494.1	494.1	491.9
10°	491.9	488.8	491.9	493.0	491.9
12.5°	488.8	485.6	490.9	493.0	494.1
15°	483.4	481.3	487.7	496.2	498.4
17.5°	478.3	477.2	486.8	496.2	497.3
20°	470.8	470.8	485.6	493.0	494.1
22.5°	464.6	464.6	481.3	488.8	493.0
25°	456.1	457.0	475.1	484.7	488.8
27.5°	446.5	449.7	467.6	478.3	482.5
30°	436.0	441.2	460.2	470.8	476.2
32.5°	423.4	430.5	449.7	460.2	465.5
35°	411.5	419.0	439.0	449.7	456.1
37.5°	396.8	406.2	426.4	436.9	444.4
40°	383.1	392.7	411.5	423.4	430.5
42.5°	367.1	377.6	395.7	407.4	414.7
45°	351.3	360.7	378.8	390.4	397.8
47.5°	334.4	344.0	362.0	372.6	379.7
50°	316.3	326.8	342.8	353.4	359.8
52.5°	298.2	307.8	322.7	333.4	339.6
55°	279.2	287.7	301.6	311.2	316.3
57.5°	259.1	267.6	279.2	288.8	294.1
60°	239.0	245.4	256.1	265.5	269.8
62.5°	217.9	223.3	232.8	240.3	245.4
65°	195.7	200.0	208.3	215.8	220.2
67.5°	172.5	176.7	184.0	190.4	193.6
70°	149.2	153.4	158.8	163.9	167.1
72.5°	126.8	129.1	134.3	138.7	140.7
75°	103.7	105.7	110.1	114.2	115.3
77.5°	82.6	83.5	86.9	89.0	89.9
80°	60.4	62.5	64.5	65.5	66.8
82.5°	41.2	42.3	43.3	44.4	45.3
85°	24.3	25.2	25.2	26.5	26.5
87.5°	10.5	11.7	11.7	11.7	11.7
90°	1.1	1.1	1.1	0.0	0.0
92.5°	10.5	10.5	11.7	12.6	13.7
95°	32.7	33.9	37.1	39.1	41.2
97.5°	65.5	67.7	73.9	79.4	81.5
100°	105.7	110.1	119.7	126.8	130.2
102.5°	149.2	155.4	169.3	179.9	185.2
105°	194.7	203.2	222.2	236.0	242.4
107.5°	241.2	252.0	276.2	292.0	300.5
110°	287.7	301.6	328.0	349.0	355.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	334.4	349.0	380.8	404.2	415.8
115°	380.8	396.8	430.5	457.0	469.8
117.5°	425.4	442.2	479.3	509.0	520.5
120°	467.6	485.6	525.9	556.6	570.3
122.5°	509.9	527.0	569.2	601.9	619.1
125°	550.2	567.1	610.6	644.3	662.3
127.5°	588.4	604.0	649.7	684.5	701.5
130°	625.3	640.1	686.6	720.7	739.7
132.5°	660.3	674.0	720.7	753.4	773.5
135°	694.1	704.7	752.3	785.0	804.2
137.5°	725.7	733.3	779.9	812.7	830.7
140°	757.5	759.8	805.2	835.8	854.8
142.5°	786.1	785.0	828.5	858.0	876.1
145°	812.7	809.5	850.7	877.0	893.0
147.5°	837.9	830.7	869.7	892.1	906.8
150°	860.1	850.7	884.6	906.8	919.4
152.5°	879.1	868.6	897.2	917.3	929.9
155°	898.3	885.7	908.8	927.8	938.6
157.5°	915.2	899.2	917.3	934.2	942.9
160°	929.9	914.3	925.8	938.6	945.0
162.5°	942.9	926.9	932.2	939.5	945.0
165°	953.4	938.6	938.6	941.6	945.0
167.5°	961.7	949.1	942.9	943.8	945.0
170°	969.2	956.4	950.0	943.8	942.9
172.5°	974.5	961.7	956.4	948.0	941.6
175°	978.6	967.2	960.6	953.4	945.9
177.5°	979.8	970.2	964.9	957.6	951.2
180°	966.0	966.0	966.0	966.0	966.0

(END OF REPORT)