

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: P275052

Luminaire Tested: **J3-CL-60L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275052  
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-60L92765-1D-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: 5341.6 lumens  
Efficiency: N/A  
Efficacy: 118.4 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

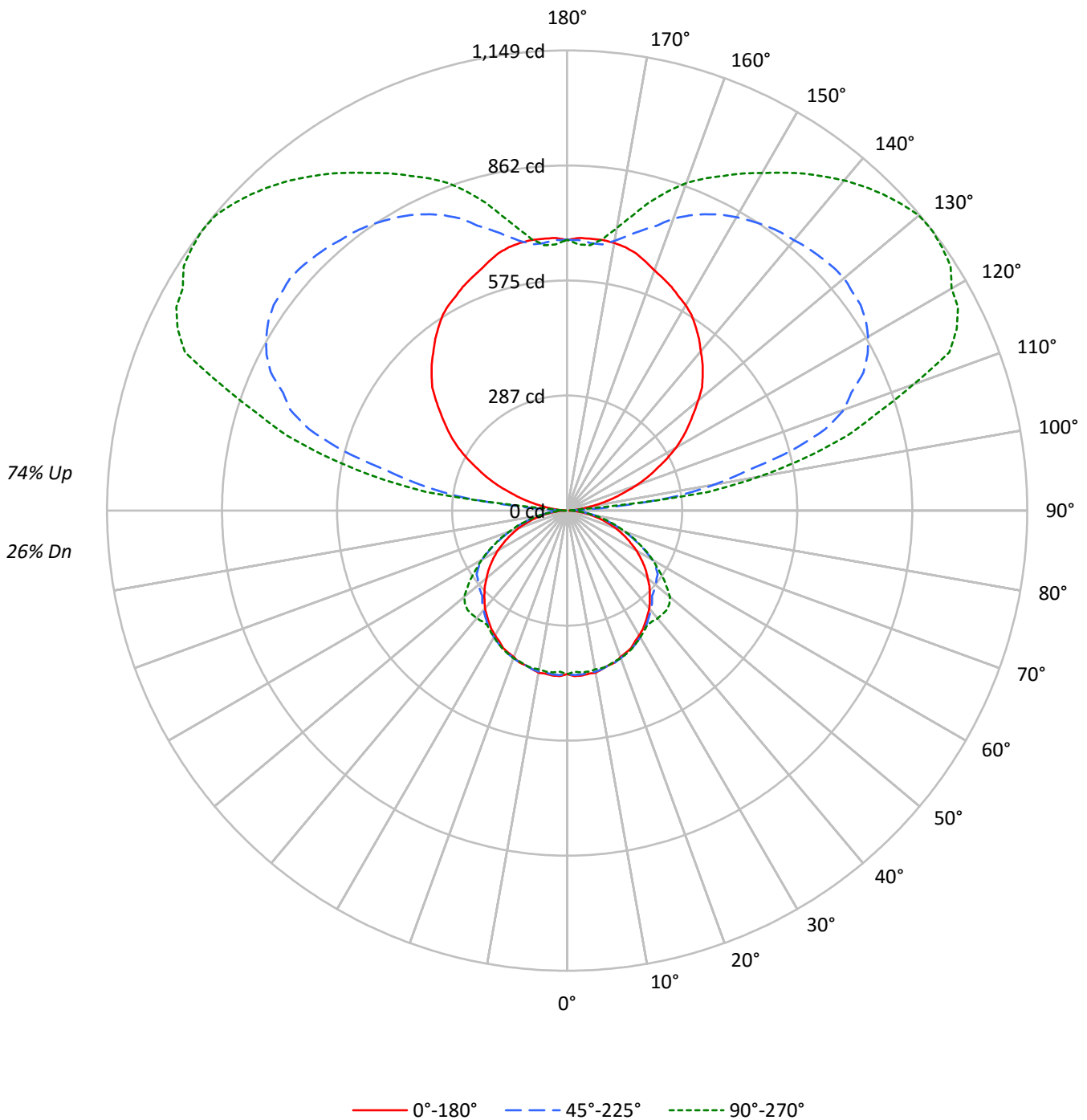
Input Watts (W): 45.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3295	3295	3295
5°	3352	3330	3286
10°	3368	3346	3302
15°	3344	3344	3344
20°	3344	3368	3368
25°	3371	3396	3396
30°	3352	3402	3402
35°	3357	3410	3437
40°	3362	3419	3703
45°	3334	3426	4012
50°	3293	3633	4210
55°	3272	3882	4110
60°	3231	3972	3972
65°	3150	3771	3822
70°	3064	3574	3637
75°	2866	3372	3456
80°	2641	3268	3143
85°	2501	3501	3001



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.9	0.7
10°-20°	113.0	2.1
20°-30°	174.6	3.3
30°-40°	216.6	4.1
40°-50°	242.4	4.5
50°-60°	236.8	4.4
60°-70°	186.8	3.5
70°-80°	113.1	2.1
80°-90°	40.3	0.8
90°-100°	138.7	2.6
100°-110°	536.6	10.0
110°-120°	737.4	13.8
120°-130°	746.0	14.0
130°-140°	661.1	12.4
140°-150°	522.9	9.8
150°-160°	365.1	6.8
160°-170°	206.6	3.9
170°-180°	64.8	1.2
0°-30°	326.5	6.1
0°-40°	543.1	10.2
0°-60°	1022.3	19.1
0°-90°	1362.4	25.5
90°-120°	1412.7	26.4
90°-150°	3342.7	62.6
90°-180°	3979.0	74.5
0°-180°	5341.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	408	408	408	408	408	
5°	414	408	411	408	406	39
15°	400	397	400	400	400	113
25°	378	373	381	381	381	174
35°	341	341	346	349	349	213
45°	292	295	300	338	351	225
55°	232	235	276	292	292	208
65°	165	173	197	200	200	163
75°	92	108	108	111	111	97
85°	27	43	38	35	32	28
90°	5	16	14	3	3	5
95°	22	108	130	27	27	27
105°	119	384	581	670	724	126
115°	246	519	816	1011	1073	245
125°	370	600	895	1090	1144	331
135°	478	660	895	1071	1116	369
145°	560	676	868	995	1027	350
155°	616	660	816	906	922	284
165°	665	662	724	787	798	187
175°	681	673	670	670	665	65
180°	676	676	676	676	676	



TEST NUMBER: P275052

CATALOG NUMBER: J3-CL-60L92765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	408.2	408.2	408.2	408.2	408.2
2.5°	413.6	408.2	410.9	408.2	402.8
5°	413.6	408.2	410.9	408.2	405.5
7.5°	410.9	408.2	408.2	405.5	405.5
10°	410.9	405.5	408.2	405.5	402.8
12.5°	405.5	402.8	405.5	402.8	402.8
15°	400.1	397.4	400.1	400.1	400.1
17.5°	397.4	392.0	397.4	397.4	394.7
20°	389.3	386.6	392.0	392.0	392.0
22.5°	383.9	381.2	386.6	386.6	386.6
25°	378.5	373.1	381.2	381.2	381.2
27.5°	367.7	367.7	373.1	375.8	373.1
30°	359.6	356.9	365.0	367.7	365.0
32.5°	351.4	348.7	356.9	359.6	356.9
35°	340.6	340.6	346.0	348.7	348.7
37.5°	329.8	329.8	335.2	337.9	348.7
40°	319.0	319.0	324.4	340.6	351.4
42.5°	305.5	305.5	313.6	337.9	351.4
45°	292.0	294.7	300.1	337.9	351.4
47.5°	278.5	281.2	294.7	335.2	346.0
50°	262.2	267.6	289.3	327.1	335.2
52.5°	248.7	251.4	281.2	313.6	313.6
55°	232.5	235.2	275.8	292.0	292.0
57.5°	216.3	219.0	262.2	267.6	267.6
60°	200.1	202.8	246.0	246.0	246.0
62.5°	181.1	186.5	221.7	224.4	224.4
65°	164.9	173.0	197.4	200.1	200.1
67.5°	146.0	159.5	175.7	178.4	178.4
70°	129.8	146.0	151.4	154.1	154.1
72.5°	110.8	127.1	129.8	132.5	132.5
75°	91.9	108.1	108.1	110.8	110.8
77.5°	73.0	86.5	89.2	89.2	89.2
80°	56.8	64.9	70.3	67.6	67.6
82.5°	40.6	51.4	51.4	51.4	48.7
85°	27.0	43.3	37.8	35.1	32.4
87.5°	16.2	37.8	21.6	18.9	18.9
90°	5.4	16.2	13.5	2.7	2.7
92.5°	10.8	27.0	13.5	10.8	8.1
95°	21.6	108.1	129.8	27.0	27.0
97.5°	40.6	181.1	278.5	329.8	354.1
100°	62.2	270.3	373.1	456.9	486.6
102.5°	89.2	327.1	459.6	565.0	608.3
105°	119.0	383.9	581.2	670.5	724.5
107.5°	148.7	427.1	675.9	775.9	813.7
110°	183.8	462.3	735.3	908.4	919.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	216.3	489.3	767.8	973.2	1032.7
115°	246.0	519.1	816.4	1011.1	1073.3
117.5°	281.2	540.7	846.2	1032.7	1100.3
120°	313.6	559.6	867.8	1059.7	1108.4
122.5°	343.3	581.2	884.0	1081.4	1135.4
125°	370.4	600.2	894.8	1089.5	1143.6
127.5°	397.4	616.4	897.5	1092.2	1149.0
130°	427.1	632.6	902.9	1089.5	1146.3
132.5°	456.9	648.8	900.2	1081.4	1132.7
135°	478.5	659.6	894.8	1070.6	1116.5
137.5°	500.1	667.7	889.4	1054.3	1097.6
140°	519.1	673.2	881.3	1035.4	1076.0
142.5°	540.7	675.9	875.9	1016.5	1051.6
145°	559.6	675.9	867.8	994.9	1027.3
147.5°	578.5	673.2	857.0	973.2	1000.3
150°	592.1	667.7	846.2	951.6	973.2
152.5°	602.9	662.3	832.7	927.3	948.9
155°	616.4	659.6	816.4	905.7	921.9
157.5°	627.2	659.6	797.5	881.3	897.5
160°	638.0	659.6	775.9	857.0	870.5
162.5°	651.5	659.6	746.1	821.8	835.4
165°	665.0	662.3	724.5	786.7	797.5
167.5°	673.2	662.3	702.9	743.4	754.3
170°	678.6	667.7	684.0	713.7	716.4
172.5°	681.3	673.2	670.5	684.0	684.0
175°	681.3	673.2	670.5	670.5	665.0
177.5°	681.3	675.9	675.9	673.2	665.0
180°	675.9	675.9	675.9	675.9	675.9

(END OF REPORT)