

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: P275039

Luminaire Tested: **J3-CL-60L82765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275039
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-60L82765-1D-UNV-W2A-W-4 (2700K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5306.9 lumens
Efficiency: N/A
Efficacy: 120.3 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

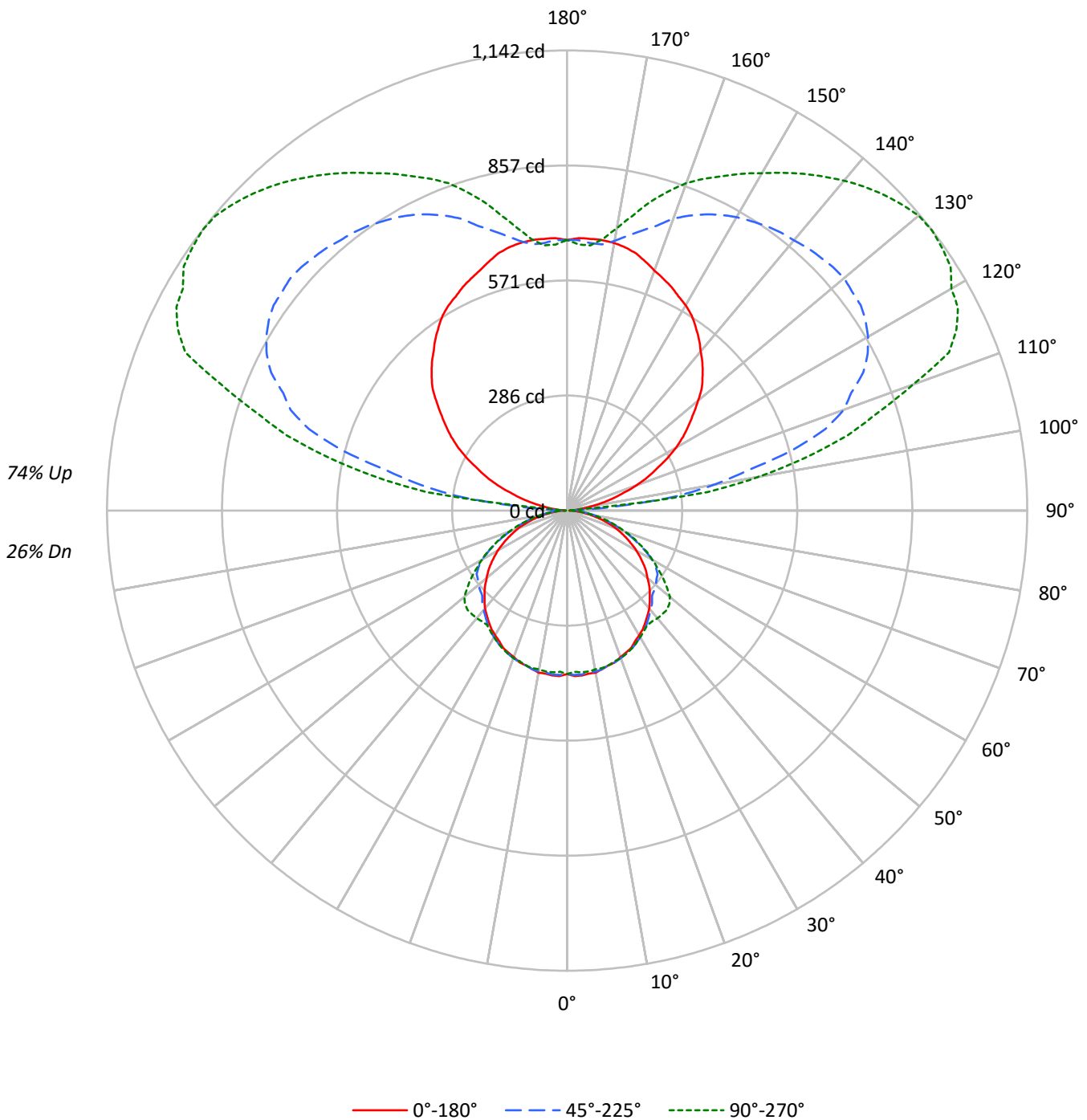
Input Watts (W): 44.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P275039

CATALOG NUMBER: J3-CL-60L82765-1D-UNV-W2A-W-4 (2700K)

Luminous Intensity Polar Plot





TEST NUMBER: P275039

CATALOG NUMBER: J3-CL-60L82765-1D-UNV-W2A-W-4 (2700K)

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	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°	3274	3274	3274
5°	3330	3309	3265
10°	3347	3325	3281
15°	3322	3322	3322
20°	3323	3346	3346
25°	3349	3373	3373
30°	3330	3380	3380
35°	3335	3388	3415
40°	3340	3397	3680
45°	3312	3403	3987
50°	3272	3610	4182
55°	3251	3856	4083
60°	3210	3946	3946
65°	3129	3746	3798
70°	3043	3550	3614
75°	2848	3350	3434
80°	2622	3245	3119
85°	2492	3483	2983



TEST NUMBER: P275039

CATALOG NUMBER: J3-CL-60L82765-1D-UNV-W2A-W-4 (2700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.7	0.7
10°-20°	112.2	2.1
20°-30°	173.5	3.3
30°-40°	215.2	4.1
40°-50°	240.8	4.5
50°-60°	235.3	4.4
60°-70°	185.6	3.5
70°-80°	112.3	2.1
80°-90°	40.0	0.8
90°-100°	137.8	2.6
100°-110°	533.1	10.0
110°-120°	732.6	13.8
120°-130°	741.2	14.0
130°-140°	656.9	12.4
140°-150°	519.5	9.8
150°-160°	362.7	6.8
160°-170°	205.3	3.9
170°-180°	64.4	1.2
0°-30°	324.4	6.1
0°-40°	539.6	10.2
0°-60°	1015.6	19.1
0°-90°	1353.5	25.5
90°-120°	1403.5	26.4
90°-150°	3321.0	62.6
90°-180°	3953.0	74.5
0°-180°	5306.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	406	406	406	406	406	
5°	411	406	408	406	403	39
15°	398	395	398	398	398	113
25°	376	371	379	379	379	173
35°	338	338	344	346	346	212
45°	290	293	298	336	349	224
55°	231	234	274	290	290	206
65°	164	172	196	199	199	162
75°	91	107	107	110	110	97
85°	27	43	38	35	32	28
90°	5	16	13	3	3	5
95°	22	107	129	27	27	27
105°	118	381	578	666	720	126
115°	244	516	811	1004	1066	244
125°	368	596	889	1082	1136	329
135°	475	655	889	1064	1109	366
145°	556	672	862	988	1021	348
155°	612	655	811	900	916	282
165°	661	658	720	782	792	186
175°	677	669	666	666	661	65
180°	672	672	672	672	672	



TEST NUMBER: P275039

CATALOG NUMBER: J3-CL-60L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	405.6	405.6	405.6	405.6	405.6
2.5°	410.9	405.6	408.3	405.6	400.2
5°	410.9	405.6	408.3	405.6	402.9
7.5°	408.3	405.6	405.6	402.9	402.9
10°	408.3	402.9	405.6	402.9	400.2
12.5°	402.9	400.2	402.9	400.2	400.2
15°	397.5	394.8	397.5	397.5	397.5
17.5°	394.8	389.5	394.8	394.8	392.1
20°	386.8	384.1	389.5	389.5	389.5
22.5°	381.4	378.7	384.1	384.1	384.1
25°	376.0	370.7	378.7	378.7	378.7
27.5°	365.3	365.3	370.7	373.3	370.7
30°	357.2	354.5	362.6	365.3	362.6
32.5°	349.2	346.5	354.5	357.2	354.5
35°	338.4	338.4	343.8	346.5	346.5
37.5°	327.7	327.7	333.0	335.7	346.5
40°	316.9	316.9	322.3	338.4	349.2
42.5°	303.5	303.5	311.6	335.7	349.2
45°	290.1	292.8	298.1	335.7	349.2
47.5°	276.6	279.3	292.8	333.0	343.8
50°	260.5	265.9	287.4	325.0	333.0
52.5°	247.1	249.8	279.3	311.6	311.6
55°	231.0	233.7	274.0	290.1	290.1
57.5°	214.9	217.6	260.5	265.9	265.9
60°	198.8	201.4	244.4	244.4	244.4
62.5°	180.0	185.3	220.2	222.9	222.9
65°	163.8	171.9	196.1	198.8	198.8
67.5°	145.0	158.5	174.6	177.3	177.3
70°	128.9	145.0	150.4	153.1	153.1
72.5°	110.1	126.2	128.9	131.6	131.6
75°	91.3	107.4	107.4	110.1	110.1
77.5°	72.5	85.9	88.6	88.6	88.6
80°	56.4	64.5	69.8	67.1	67.1
82.5°	40.3	51.0	51.0	51.0	48.3
85°	26.9	43.0	37.6	34.9	32.2
87.5°	16.1	37.6	21.5	18.8	18.8
90°	5.4	16.1	13.4	2.7	2.7
92.5°	10.7	26.9	13.4	10.7	8.1
95°	21.5	107.4	128.9	26.9	26.9
97.5°	40.3	180.0	276.6	327.7	351.8
100°	61.8	268.6	370.7	453.9	483.5
102.5°	88.6	325.0	456.6	561.3	604.3
105°	118.2	381.4	577.5	666.1	719.8
107.5°	147.7	424.4	671.5	770.8	808.4
110°	182.6	459.3	730.6	902.5	913.2



TEST NUMBER: P275039

CATALOG NUMBER: J3-CL-60L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	214.9	486.1	762.8	966.9	1026.0
115°	244.4	515.7	811.1	1004.5	1066.3
117.5°	279.3	537.2	840.7	1026.0	1093.2
120°	311.6	556.0	862.2	1052.9	1101.2
122.5°	341.1	577.5	878.3	1074.4	1128.1
125°	368.0	596.3	889.0	1082.4	1136.1
127.5°	394.8	612.4	891.7	1085.1	1141.5
130°	424.4	628.5	897.1	1082.4	1138.8
132.5°	453.9	644.6	894.4	1074.4	1125.4
135°	475.4	655.4	889.0	1063.6	1109.3
137.5°	496.9	663.4	883.7	1047.5	1090.5
140°	515.7	668.8	875.6	1028.7	1069.0
142.5°	537.2	671.5	870.2	1009.9	1044.8
145°	556.0	671.5	862.2	988.4	1020.6
147.5°	574.8	668.8	851.4	966.9	993.8
150°	588.2	663.4	840.7	945.4	966.9
152.5°	599.0	658.0	827.3	921.3	942.7
155°	612.4	655.4	811.1	899.8	915.9
157.5°	623.1	655.4	792.3	875.6	891.7
160°	633.9	655.4	770.8	851.4	864.9
162.5°	647.3	655.4	741.3	816.5	829.9
165°	660.7	658.0	719.8	781.6	792.3
167.5°	668.8	658.0	698.3	738.6	749.4
170°	674.2	663.4	679.5	709.1	711.8
172.5°	676.8	668.8	666.1	679.5	679.5
175°	676.8	668.8	666.1	666.1	660.7
177.5°	676.8	671.5	671.5	668.8	660.7
180°	671.5	671.5	671.5	671.5	671.5

(END OF REPORT)