

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: P275040

Luminaire Tested: **J3-CL-60L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275040
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 (3000K)
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 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5457.2 lumens
Efficiency: N/A
Efficacy: 124.6 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

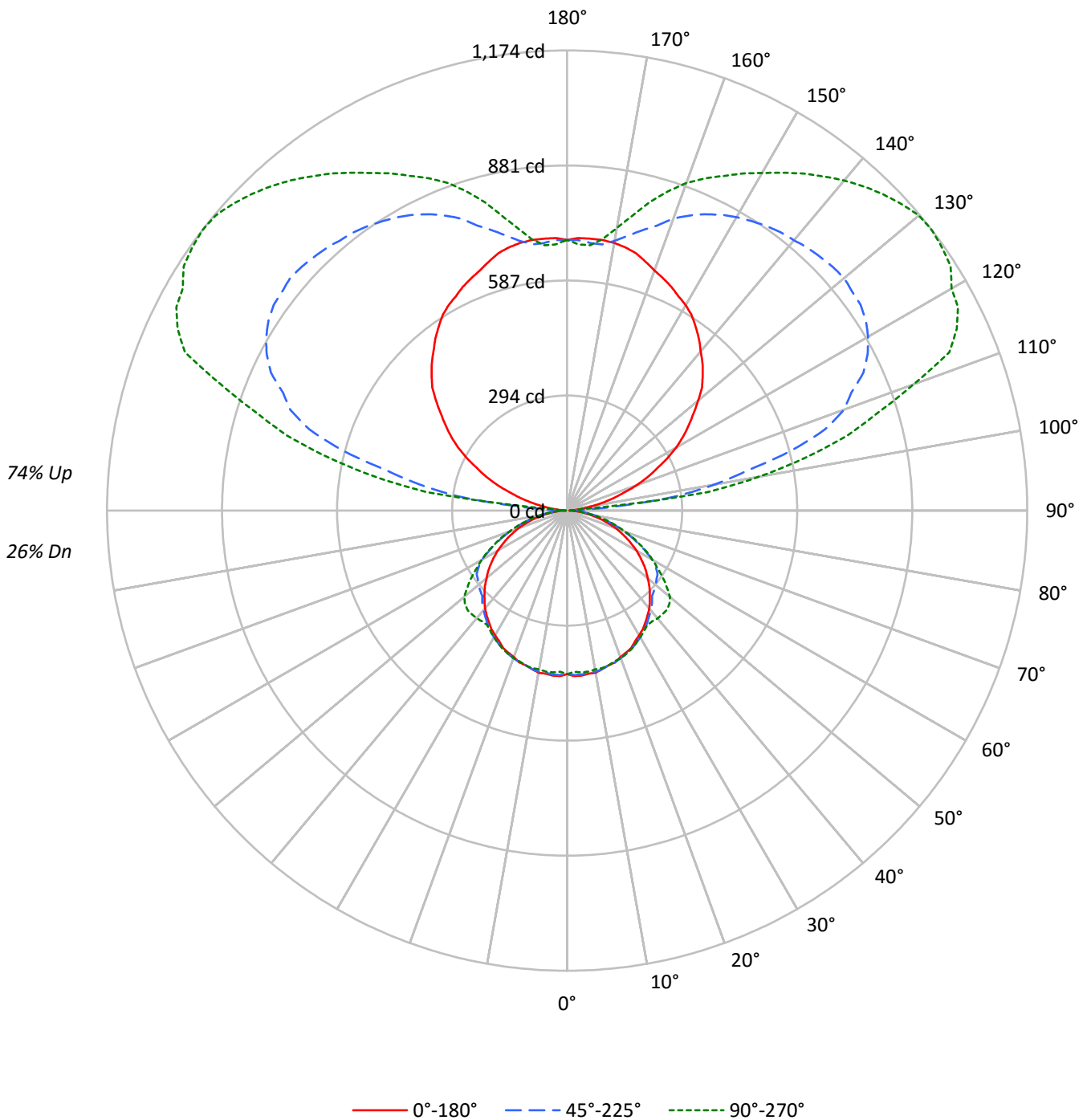
Input Watts (W): 43.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3367	3367	3367
5°	3425	3402	3357
10°	3441	3419	3373
15°	3417	3417	3417
20°	3417	3441	3441
25°	3445	3469	3469
30°	3424	3476	3476
35°	3430	3484	3511
40°	3434	3492	3784
45°	3406	3500	4100
50°	3365	3711	4302
55°	3343	3965	4198
60°	3300	4057	4057
65°	3219	3851	3904
70°	3130	3651	3715
75°	2929	3447	3531
80°	2696	3338	3208
85°	2556	3585	3066



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.8	0.7
10°-20°	115.4	2.1
20°-30°	178.4	3.3
30°-40°	221.3	4.1
40°-50°	247.6	4.5
50°-60°	241.9	4.4
60°-70°	190.9	3.5
70°-80°	115.5	2.1
80°-90°	41.1	0.8
90°-100°	141.8	2.6
100°-110°	548.2	10.0
110°-120°	753.3	13.8
120°-130°	762.1	14.0
130°-140°	675.5	12.4
140°-150°	534.2	9.8
150°-160°	373.0	6.8
160°-170°	211.1	3.9
170°-180°	66.2	1.2
0°-30°	333.6	6.1
0°-40°	554.8	10.2
0°-60°	1044.4	19.1
0°-90°	1391.9	25.5
90°-120°	1443.3	26.4
90°-150°	3415.1	62.6
90°-180°	4065.0	74.5
0°-180°	5457.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	417	417	417	417	417	
5°	423	417	420	417	414	40
15°	409	406	409	409	409	116
25°	387	381	389	389	389	177
35°	348	348	354	356	356	218
45°	298	301	307	345	359	230
55°	238	240	282	298	298	212
65°	168	177	202	204	204	166
75°	94	110	110	113	113	99
85°	28	44	39	36	33	29
90°	6	17	14	3	3	5
95°	22	110	133	28	28	27
105°	122	392	594	685	740	129
115°	251	530	834	1033	1096	251
125°	378	613	914	1113	1168	339
135°	489	674	914	1094	1141	377
145°	572	690	887	1016	1050	358
155°	630	674	834	925	942	290
165°	679	677	740	804	815	191
175°	696	688	685	685	679	66
180°	690	690	690	690	690	



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CATALOG NUMBER: J3-CL-60L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	417.1	417.1	417.1	417.1	417.1
2.5°	422.6	417.1	419.8	417.1	411.5
5°	422.6	417.1	419.8	417.1	414.3
7.5°	419.8	417.1	417.1	414.3	414.3
10°	419.8	414.3	417.1	414.3	411.5
12.5°	414.3	411.5	414.3	411.5	411.5
15°	408.8	406.0	408.8	408.8	408.8
17.5°	406.0	400.5	406.0	406.0	403.2
20°	397.7	395.0	400.5	400.5	400.5
22.5°	392.2	389.4	395.0	395.0	395.0
25°	386.7	381.1	389.4	389.4	389.4
27.5°	375.6	375.6	381.1	383.9	381.1
30°	367.3	364.6	372.9	375.6	372.9
32.5°	359.1	356.3	364.6	367.3	364.6
35°	348.0	348.0	353.5	356.3	356.3
37.5°	337.0	337.0	342.5	345.2	356.3
40°	325.9	325.9	331.4	348.0	359.1
42.5°	312.1	312.1	320.4	345.2	359.1
45°	298.3	301.1	306.6	345.2	359.1
47.5°	284.5	287.2	301.1	342.5	353.5
50°	267.9	273.4	295.5	334.2	342.5
52.5°	254.1	256.9	287.2	320.4	320.4
55°	237.5	240.3	281.7	298.3	298.3
57.5°	221.0	223.7	267.9	273.4	273.4
60°	204.4	207.1	251.3	251.3	251.3
62.5°	185.1	190.6	226.5	229.2	229.2
65°	168.5	176.8	201.6	204.4	204.4
67.5°	149.1	163.0	179.5	182.3	182.3
70°	132.6	149.1	154.7	157.4	157.4
72.5°	113.2	129.8	132.6	135.3	135.3
75°	93.9	110.5	110.5	113.2	113.2
77.5°	74.6	88.4	91.1	91.1	91.1
80°	58.0	66.3	71.8	69.0	69.0
82.5°	41.4	52.5	52.5	52.5	49.7
85°	27.6	44.2	38.7	35.9	33.1
87.5°	16.6	38.7	22.1	19.3	19.3
90°	5.5	16.6	13.8	2.8	2.8
92.5°	11.0	27.6	13.8	11.0	8.3
95°	22.1	110.5	132.6	27.6	27.6
97.5°	41.4	185.1	284.5	337.0	361.8
100°	63.5	276.2	381.1	466.8	497.2
102.5°	91.1	334.2	469.5	577.2	621.4
105°	121.5	392.2	593.8	685.0	740.2
107.5°	151.9	436.4	690.5	792.7	831.3
110°	187.8	472.3	751.3	928.0	939.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	221.0	499.9	784.4	994.3	1055.1
115°	251.3	530.3	834.1	1033.0	1096.5
117.5°	287.2	552.4	864.5	1055.1	1124.1
120°	320.4	571.7	886.6	1082.7	1132.4
122.5°	350.8	593.8	903.2	1104.8	1160.0
125°	378.4	613.2	914.2	1113.1	1168.3
127.5°	406.0	629.7	917.0	1115.8	1173.8
130°	436.4	646.3	922.5	1113.1	1171.1
132.5°	466.8	662.9	919.7	1104.8	1157.3
135°	488.9	673.9	914.2	1093.7	1140.7
137.5°	511.0	682.2	908.7	1077.2	1121.4
140°	530.3	687.7	900.4	1057.8	1099.3
142.5°	552.4	690.5	894.9	1038.5	1074.4
145°	571.7	690.5	886.6	1016.4	1049.5
147.5°	591.1	687.7	875.5	994.3	1021.9
150°	604.9	682.2	864.5	972.2	994.3
152.5°	615.9	676.7	850.7	947.3	969.4
155°	629.7	673.9	834.1	925.3	941.8
157.5°	640.8	673.9	814.8	900.4	917.0
160°	651.8	673.9	792.7	875.5	889.3
162.5°	665.6	673.9	762.3	839.6	853.4
165°	679.4	676.7	740.2	803.7	814.8
167.5°	687.7	676.7	718.1	759.5	770.6
170°	693.2	682.2	698.8	729.2	731.9
172.5°	696.0	687.7	685.0	698.8	698.8
175°	696.0	687.7	685.0	685.0	679.4
177.5°	696.0	690.5	690.5	687.7	679.4
180°	690.5	690.5	690.5	690.5	690.5

(END OF REPORT)