

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: P275233

Luminaire Tested: **J3-UL-60L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275233
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-60L82765-1D-UNV-W2A-W-4 (3500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5897.1 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.44
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

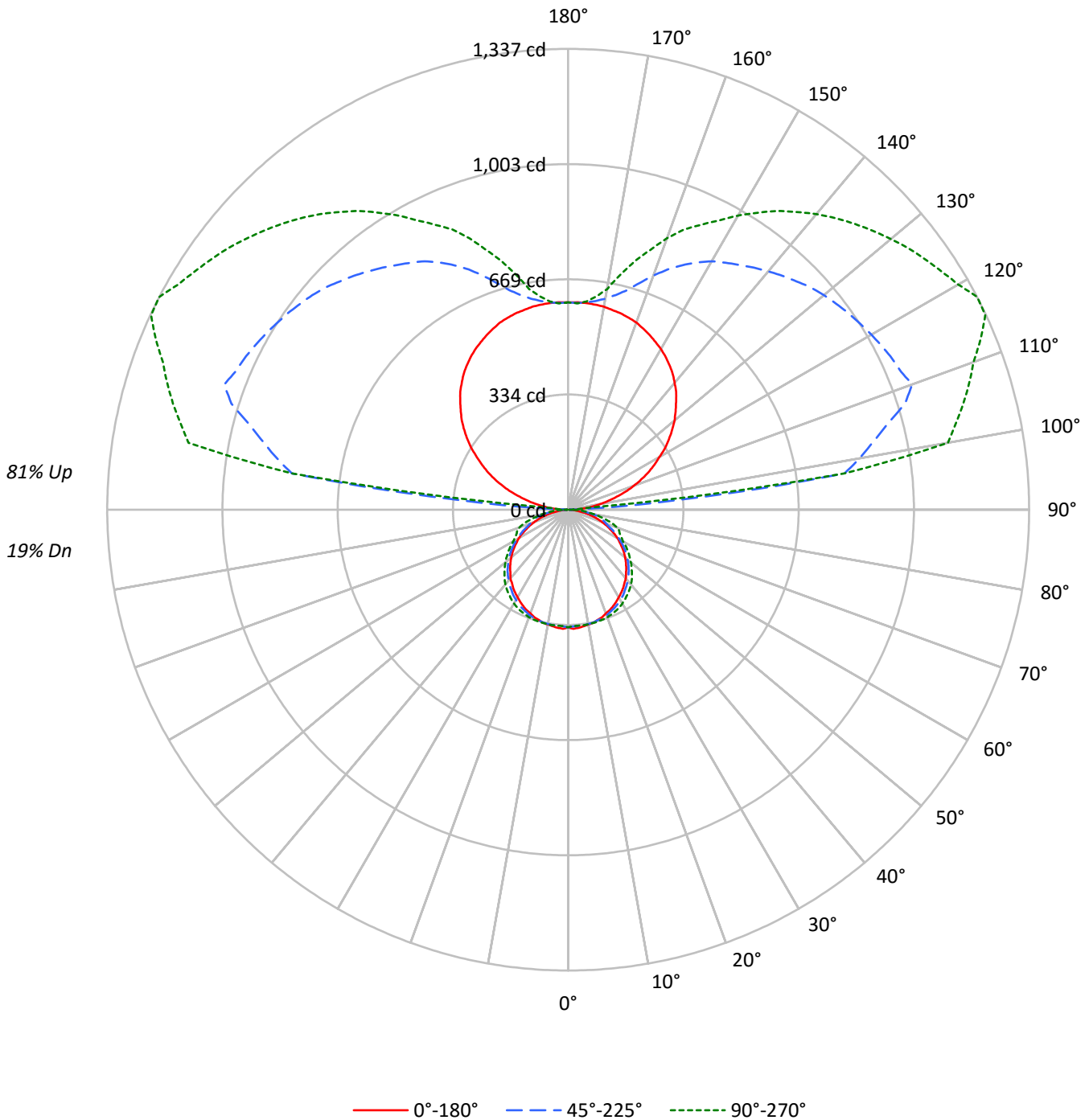
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	27	27	27	19				
1	91	86	82	79	80	76	73	70	57	55	53	40	39	37	24	23	23	15				
2	82	75	69	64	72	66	61	57	50	47	44	35	33	31	21	20	19	13				
3	75	66	59	53	66	58	52	47	44	40	37	31	28	26	18	17	16	10				
4	68	58	50	45	60	51	45	40	39	34	31	27	24	22	16	15	13	9				
5	62	51	44	38	55	45	39	34	34	30	26	24	21	19	14	13	12	8				
6	57	46	38	32	50	41	34	29	31	26	23	22	19	16	13	11	10	7				
7	53	41	33	28	46	36	30	25	28	23	20	20	16	14	12	10	9	6				
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5				
9	45	34	26	22	40	30	24	19	23	18	15	16	13	11	10	8	7	5				
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	7	6	4				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2755	2755	2755
5°	2785	2747	2737
10°	2769	2759	2769
15°	2764	2774	2803
20°	2750	2801	2851
25°	2747	2809	2893
30°	2732	2820	2929
35°	2738	2819	2958
40°	2741	2827	2989
45°	2714	2835	2983
50°	2705	2823	2985
55°	2684	2816	2981
60°	2661	2774	2964
65°	2564	2743	3148
70°	2471	2750	3555
75°	2277	3157	3596
80°	1971	3226	3501
85°	1528	3594	4029



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.4	0.5
10°-20°	94.3	1.6
20°-30°	146.0	2.5
30°-40°	180.2	3.1
40°-50°	192.0	3.3
50°-60°	179.1	3.0
60°-70°	146.0	2.5
70°-80°	100.9	1.7
80°-90°	39.4	0.7
90°-100°	352.4	6.0
100°-110°	890.1	15.1
110°-120°	921.1	15.6
120°-130°	820.2	13.9
130°-140°	683.4	11.6
140°-150°	520.8	8.8
150°-160°	350.5	5.9
160°-170°	190.0	3.2
170°-180°	58.3	1.0
0°-30°	272.7	4.6
0°-40°	452.9	7.7
0°-60°	824.0	14.0
0°-90°	1110.3	18.8
90°-120°	2163.6	36.7
90°-150°	4187.9	71.0
90°-180°	4787.0	81.2
0°-180°	5897.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	341	341	341	341	341	
5°	344	341	339	340	338	33
15°	331	332	332	335	335	94
25°	308	312	315	322	325	142
35°	278	280	286	297	300	174
45°	238	241	248	257	261	184
55°	191	194	200	206	212	170
65°	134	138	144	156	165	134
75°	73	78	101	114	115	77
85°	16	31	39	44	44	19
90°	2	4	4	2	2	6
95°	49	386	302	48	47	49
105°	146	614	958	1132	1186	155
115°	257	634	1037	1289	1335	253
125°	357	650	993	1204	1265	319
135°	442	668	937	1117	1173	342
145°	512	657	866	1006	1058	320
155°	559	624	783	882	912	258
165°	590	606	659	724	746	167
175°	601	603	604	610	606	57
180°	601	601	601	601	601	



TEST NUMBER: P275233

CATALOG NUMBER: J3-UL-60L82765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	341.3	341.3	341.3	341.3	341.3
2.5°	346.0	341.3	339.0	340.1	337.8
5°	343.7	341.3	339.0	340.1	337.8
7.5°	341.3	340.1	337.8	340.1	337.8
10°	337.8	337.8	336.6	339.0	337.8
12.5°	336.6	335.4	335.4	337.8	336.6
15°	330.7	331.9	331.9	335.4	335.4
17.5°	327.2	328.4	329.5	334.2	334.2
20°	320.1	323.7	326.0	331.9	331.9
22.5°	315.4	317.8	320.1	327.2	328.4
25°	308.4	311.9	315.4	322.5	324.8
27.5°	301.3	304.8	309.5	317.8	320.1
30°	293.1	297.8	302.5	310.7	314.2
32.5°	286.0	289.5	295.4	304.8	307.2
35°	277.8	280.1	286.0	296.6	300.1
37.5°	268.3	270.7	277.8	287.2	291.9
40°	260.1	262.5	268.3	277.8	283.6
42.5°	248.3	251.9	258.9	267.2	273.0
45°	237.7	241.3	248.3	256.6	261.3
47.5°	227.1	230.7	236.6	244.8	249.5
50°	215.4	218.9	224.8	233.0	237.7
52.5°	203.6	207.1	213.0	220.1	224.8
55°	190.7	194.2	200.1	206.0	211.8
57.5°	177.7	181.2	186.0	193.0	198.9
60°	164.8	167.1	171.8	180.1	183.6
62.5°	150.6	153.0	157.7	165.9	174.2
65°	134.2	137.7	143.6	156.5	164.8
67.5°	120.0	122.4	128.3	147.1	160.1
70°	104.7	108.3	116.5	143.6	150.6
72.5°	89.4	93.0	108.3	131.8	135.3
75°	73.0	77.7	101.2	114.2	115.3
77.5°	57.7	63.6	87.1	94.2	95.3
80°	42.4	53.0	69.4	74.1	75.3
82.5°	28.2	44.7	51.8	57.7	57.7
85°	16.5	30.6	38.8	43.5	43.5
87.5°	9.4	20.0	29.4	34.1	33.0
90°	2.4	3.5	3.5	2.4	2.4
92.5°	27.1	85.9	23.5	22.4	22.4
95°	49.4	386.0	302.5	48.3	47.1
97.5°	70.6	468.4	808.6	978.0	807.4
100°	94.2	566.1	858.0	1060.4	1118.1
102.5°	120.0	600.2	905.1	1089.8	1151.0
105°	145.9	614.4	958.0	1132.2	1186.3
107.5°	174.2	623.8	1023.9	1166.3	1219.3
110°	202.4	628.5	1061.6	1208.7	1251.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	229.5	632.0	1045.1	1257.0	1294.6
115°	256.6	634.4	1036.9	1288.7	1334.6
117.5°	281.3	637.9	1026.3	1259.3	1337.0
120°	306.0	641.4	1015.7	1239.3	1306.4
122.5°	333.1	646.1	1003.9	1222.8	1285.2
125°	356.6	649.7	993.3	1204.0	1265.2
127.5°	380.1	653.2	980.4	1184.0	1245.2
130°	402.5	661.4	968.6	1164.0	1221.7
132.5°	422.5	666.1	954.5	1141.6	1198.1
135°	442.5	668.5	936.8	1116.9	1173.4
137.5°	463.7	667.3	920.4	1093.4	1147.5
140°	480.2	666.1	902.7	1065.1	1119.3
142.5°	497.8	662.6	885.1	1036.9	1088.7
145°	512.0	656.7	866.2	1006.3	1058.1
147.5°	526.1	649.7	849.7	974.5	1021.6
150°	537.9	639.1	832.1	940.4	985.1
152.5°	548.4	630.8	808.6	909.8	946.3
155°	559.0	623.8	782.7	881.5	912.1
157.5°	568.5	619.1	754.4	847.4	880.3
160°	577.9	613.2	722.6	810.9	838.0
162.5°	583.8	609.7	689.7	767.4	789.7
165°	589.6	606.1	659.1	723.8	746.2
167.5°	593.2	603.8	637.9	677.9	697.9
170°	597.9	602.6	621.4	645.0	649.7
172.5°	600.2	602.6	610.8	622.6	623.8
175°	601.4	602.6	603.8	609.7	606.1
177.5°	602.6	603.8	600.2	603.8	599.1
180°	601.4	601.4	601.4	601.4	601.4

(END OF REPORT)