

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: P275228

Luminaire Tested: **J3-UL-50L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275228
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-50L92765-1D-UNV-W2A-W-4 (5000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN 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: 4629.8 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.37 / 1.44
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

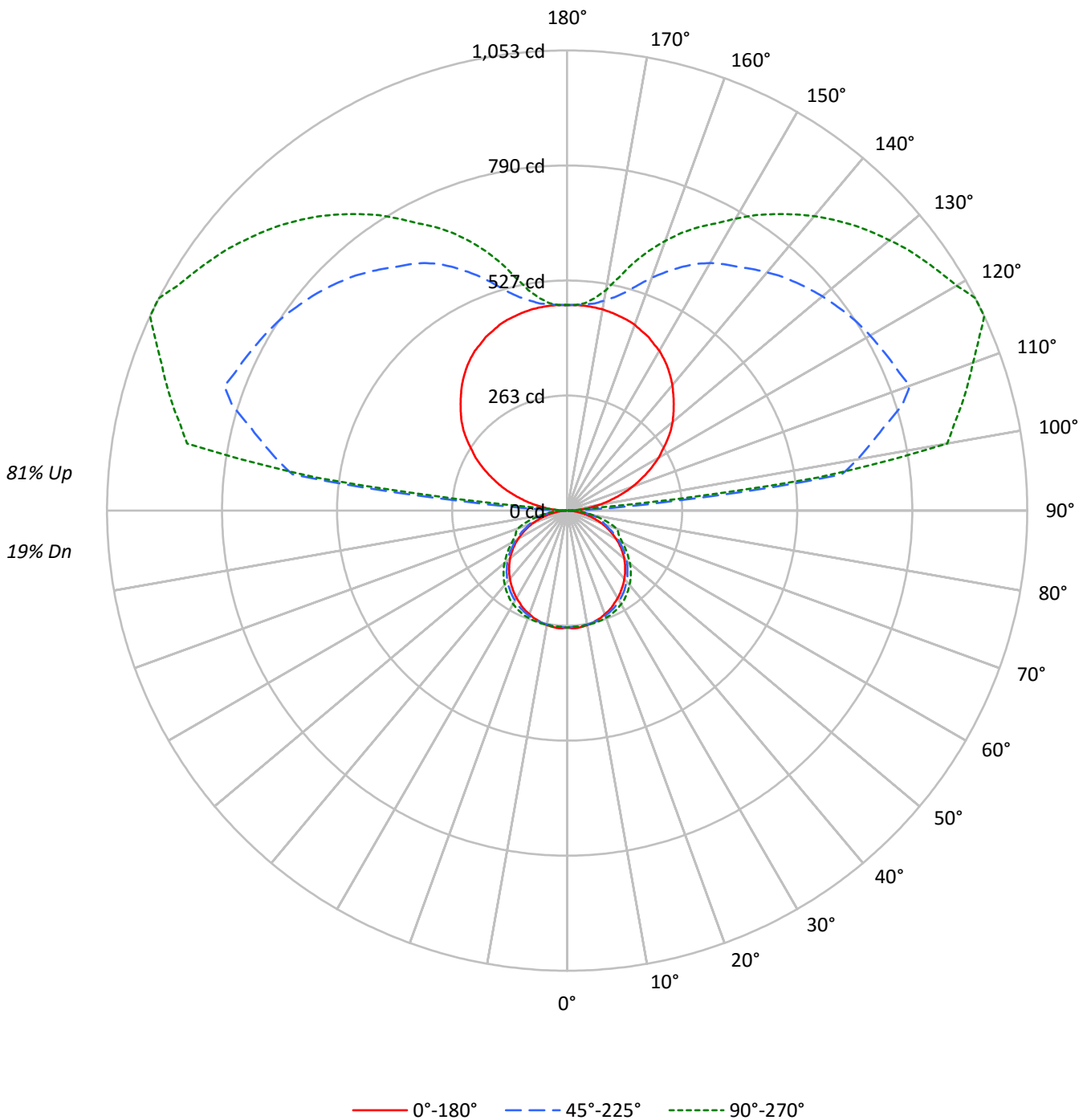
Input Watts (W): 36.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19				
1	91	86	83	79	80	76	73	70	57	55	53	40	39	38	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	20	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°	2163	2163	2163
5°	2186	2162	2157
10°	2182	2167	2177
15°	2171	2181	2206
20°	2168	2197	2242
25°	2165	2211	2273
30°	2157	2221	2302
35°	2148	2229	2326
40°	2145	2231	2341
45°	2145	2231	2351
50°	2141	2229	2352
55°	2122	2220	2350
60°	2088	2181	2351
65°	2027	2160	2481
70°	1943	2162	2821
75°	1790	2477	2838
80°	1562	2506	2775
85°	1232	2844	3168



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.5	0.6
10°-20°	74.1	1.6
20°-30°	114.9	2.5
30°-40°	142.1	3.1
40°-50°	151.5	3.3
50°-60°	141.2	3.0
60°-70°	115.0	2.5
70°-80°	79.1	1.7
80°-90°	31.1	0.7
90°-100°	273.1	5.9
100°-110°	699.1	15.1
110°-120°	723.6	15.6
120°-130°	644.6	13.9
130°-140°	536.8	11.6
140°-150°	408.7	8.8
150°-160°	274.9	5.9
160°-170°	148.9	3.2
170°-180°	45.6	1.0
0°-30°	214.4	4.6
0°-40°	356.5	7.7
0°-60°	649.1	14.0
0°-90°	874.4	18.9
90°-120°	1695.8	36.6
90°-150°	3285.9	71.0
90°-180°	3755.0	81.1
0°-180°	4629.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	268	268	268	268	268	
5°	270	268	267	267	266	26
15°	260	262	261	264	264	73
25°	243	245	248	253	255	112
35°	218	222	226	234	236	137
45°	188	191	195	202	206	145
55°	151	153	158	163	167	135
65°	106	108	113	124	130	105
75°	57	61	79	89	91	61
85°	13	24	31	34	34	15
90°	2	3	3	2	2	4
95°	39	304	224	38	38	38
105°	115	482	754	887	935	121
115°	200	499	816	1008	1053	198
125°	279	510	784	943	997	249
135°	345	524	739	877	924	266
145°	401	514	681	791	828	251
155°	439	488	614	692	716	202
165°	461	474	517	568	587	130
175°	470	471	474	476	477	45
180°	470	470	470	470	470	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	267.9	267.9	267.9	267.9	267.9
2.5°	269.7	269.1	266.8	267.3	266.2
5°	269.7	268.5	266.8	267.3	266.2
7.5°	267.9	267.3	265.6	266.8	266.2
10°	266.2	265.6	264.4	266.2	265.6
12.5°	263.9	263.9	263.3	265.0	265.0
15°	259.8	261.5	261.0	263.9	263.9
17.5°	256.9	258.1	258.6	262.1	262.7
20°	252.3	254.6	255.7	259.2	261.0
22.5°	248.2	250.5	252.3	256.9	258.6
25°	243.0	245.3	248.2	253.4	255.2
27.5°	236.6	240.7	243.6	249.9	251.7
30°	231.4	234.3	238.3	244.7	247.0
32.5°	225.0	228.5	232.5	239.5	242.4
35°	218.0	221.5	226.2	233.7	236.0
37.5°	211.1	214.0	219.2	226.7	229.6
40°	203.5	206.4	211.7	219.8	222.1
42.5°	196.0	198.9	204.1	211.7	214.6
45°	187.9	190.8	195.4	202.4	205.9
47.5°	179.2	182.1	186.7	193.7	197.2
50°	170.5	172.8	177.5	183.8	187.3
52.5°	160.6	163.0	167.6	173.4	176.9
55°	150.8	153.1	157.7	163.0	167.0
57.5°	140.3	142.7	146.1	151.9	156.6
60°	129.3	131.6	135.1	141.5	145.6
62.5°	117.7	120.0	124.1	131.1	137.4
65°	106.1	108.4	113.1	123.5	129.9
67.5°	94.5	96.8	100.9	116.0	126.4
70°	82.3	84.7	91.6	112.5	119.5
72.5°	69.6	73.1	84.7	103.8	106.7
75°	57.4	60.9	79.4	88.7	91.0
77.5°	44.7	49.9	69.0	73.1	74.2
80°	33.6	41.2	53.9	59.2	59.7
82.5°	22.6	35.4	41.8	45.2	45.2
85°	13.3	24.4	30.7	34.2	34.2
87.5°	7.5	16.2	22.6	26.7	26.1
90°	1.7	2.9	2.9	2.3	2.3
92.5°	20.9	56.8	18.6	17.4	17.4
95°	38.9	303.9	223.8	37.7	37.7
97.5°	53.9	369.4	633.8	767.2	577.0
100°	73.6	443.0	674.4	831.0	883.2
102.5°	92.8	470.3	712.7	854.2	906.4
105°	114.8	482.5	753.9	886.7	934.8
107.5°	136.3	489.4	804.3	915.1	961.5
110°	158.3	492.9	834.5	948.1	988.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	178.6	495.8	822.9	986.4	1018.9
115°	200.1	498.7	815.9	1008.5	1053.1
117.5°	220.9	500.5	807.8	985.8	1053.1
120°	241.8	503.4	800.9	970.8	1029.3
122.5°	259.2	506.8	792.7	957.4	1013.1
125°	278.9	509.7	783.5	942.9	997.4
127.5°	298.1	512.6	773.0	927.9	981.8
130°	314.9	519.0	762.6	912.8	962.6
132.5°	330.0	522.5	751.0	894.8	944.1
135°	345.0	523.7	738.8	877.4	924.4
137.5°	359.5	523.1	726.6	857.7	902.3
140°	374.6	521.3	711.5	837.4	879.7
142.5°	388.0	517.9	696.5	814.8	854.2
145°	400.7	513.8	680.8	791.0	828.1
147.5°	411.7	507.4	668.6	765.5	801.4
150°	422.2	500.5	654.1	739.4	771.3
152.5°	429.7	494.1	636.2	714.4	741.1
155°	439.0	488.3	614.1	692.4	716.2
157.5°	444.8	483.6	590.9	665.2	688.3
160°	452.3	480.2	567.1	635.6	657.0
162.5°	457.5	476.7	541.1	602.5	623.4
165°	461.0	473.8	517.3	567.7	586.9
167.5°	464.5	472.6	499.9	531.2	546.3
170°	467.4	471.5	487.7	503.9	512.1
172.5°	469.1	470.9	477.8	486.5	490.6
175°	470.3	470.9	473.8	475.5	476.7
177.5°	470.9	470.9	470.9	470.3	470.9
180°	470.3	470.3	470.3	470.3	470.3

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