

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: P275227

Luminaire Tested: **J3-UL-50L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275227
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 (4500K)
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 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4539.6 lumens
Efficiency: N/A
Efficacy: 125.4 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

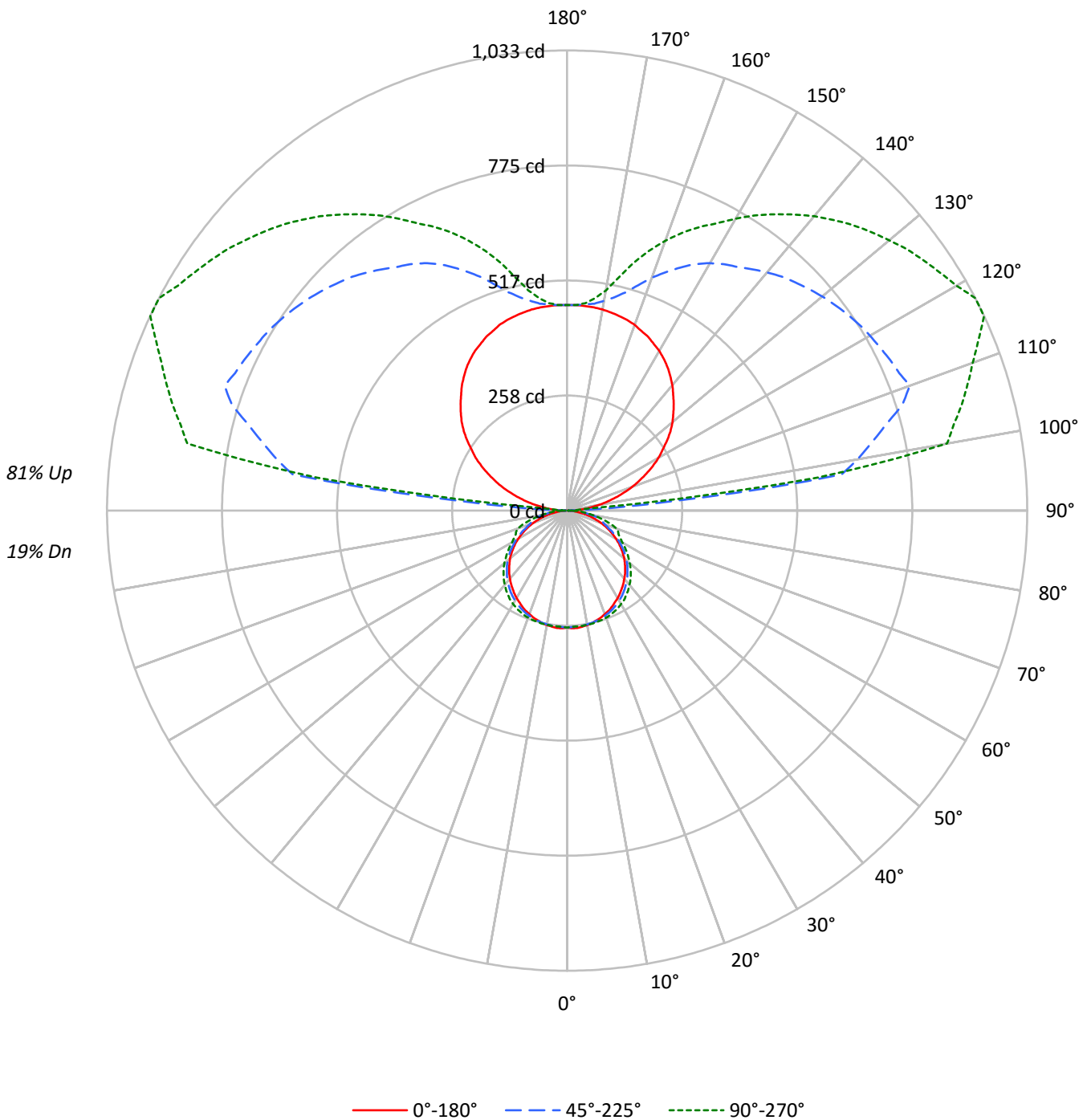
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2121	2121	2121
5°	2143	2120	2115
10°	2140	2126	2135
15°	2129	2139	2162
20°	2125	2155	2198
25°	2122	2168	2229
30°	2115	2179	2258
35°	2107	2186	2281
40°	2103	2187	2295
45°	2103	2187	2305
50°	2100	2185	2307
55°	2080	2177	2305
60°	2047	2139	2304
65°	1989	2118	2434
70°	1905	2120	2764
75°	1756	2430	2785
80°	1534	2459	2724
85°	1213	2788	3103



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.0	0.6
10°-20°	72.6	1.6
20°-30°	112.6	2.5
30°-40°	139.3	3.1
40°-50°	148.6	3.3
50°-60°	138.4	3.0
60°-70°	112.8	2.5
70°-80°	77.6	1.7
80°-90°	30.5	0.7
90°-100°	267.8	5.9
100°-110°	685.5	15.1
110°-120°	709.5	15.6
120°-130°	632.1	13.9
130°-140°	526.4	11.6
140°-150°	400.7	8.8
150°-160°	269.5	5.9
160°-170°	146.0	3.2
170°-180°	44.8	1.0
0°-30°	210.2	4.6
0°-40°	349.5	7.7
0°-60°	636.5	14.0
0°-90°	857.4	18.9
90°-120°	1662.8	36.6
90°-150°	3221.9	71.0
90°-180°	3682.0	81.1
0°-180°	4539.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	263	263	263	263	263	
5°	264	263	262	262	261	25
15°	255	256	256	259	259	72
25°	238	240	243	248	250	110
35°	214	217	222	229	231	134
45°	184	187	192	198	202	142
55°	148	150	155	160	164	132
65°	104	106	111	121	127	103
75°	56	60	78	87	89	59
85°	13	24	30	34	34	15
90°	2	3	3	2	2	4
95°	38	298	220	37	37	37
105°	113	473	739	869	917	119
115°	196	489	800	989	1033	194
125°	274	500	768	925	978	245
135°	338	514	724	860	906	261
145°	393	504	668	776	812	246
155°	430	479	602	679	702	198
165°	452	465	507	557	575	128
175°	461	462	465	466	467	44
180°	461	461	461	461	461	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	262.7	262.7	262.7	262.7	262.7
2.5°	264.4	263.8	261.6	262.1	261.0
5°	264.4	263.3	261.6	262.1	261.0
7.5°	262.7	262.1	260.4	261.6	261.0
10°	261.0	260.4	259.3	261.0	260.4
12.5°	258.7	258.7	258.1	259.9	259.9
15°	254.7	256.4	255.9	258.7	258.7
17.5°	251.9	253.0	253.6	257.0	257.6
20°	247.3	249.6	250.8	254.2	255.9
22.5°	243.4	245.6	247.3	251.9	253.6
25°	238.2	240.5	243.4	248.5	250.2
27.5°	232.0	236.0	238.8	245.1	246.8
30°	226.9	229.7	233.7	240.0	242.2
32.5°	220.6	224.0	228.0	234.8	237.7
35°	213.8	217.2	221.8	229.1	231.4
37.5°	207.0	209.8	214.9	222.3	225.2
40°	199.6	202.4	207.5	215.5	217.8
42.5°	192.2	195.0	200.2	207.5	210.4
45°	184.2	187.1	191.6	198.4	201.9
47.5°	175.7	178.5	183.1	189.9	193.3
50°	167.2	169.4	174.0	180.2	183.7
52.5°	157.5	159.8	164.3	170.0	173.4
55°	147.8	150.1	154.7	159.8	163.8
57.5°	137.6	139.9	143.3	149.0	153.5
60°	126.8	129.1	132.5	138.7	142.7
62.5°	115.4	117.7	121.7	128.5	134.8
65°	104.1	106.3	110.9	121.1	127.4
67.5°	92.7	95.0	98.9	113.7	124.0
70°	80.7	83.0	89.8	110.3	117.1
72.5°	68.2	71.6	83.0	101.8	104.6
75°	56.3	59.7	77.9	87.0	89.3
77.5°	43.8	48.9	67.7	71.6	72.8
80°	33.0	40.4	52.9	58.0	58.6
82.5°	22.2	34.7	40.9	44.4	44.4
85°	13.1	23.9	30.1	33.5	33.5
87.5°	7.4	15.9	22.2	26.2	25.6
90°	1.7	2.8	2.8	2.3	2.3
92.5°	20.5	55.7	18.2	17.1	17.1
95°	38.1	298.0	219.5	37.0	37.0
97.5°	52.9	362.2	621.5	752.3	565.8
100°	72.2	434.4	661.3	814.8	866.0
102.5°	91.0	461.1	698.8	837.6	888.7
105°	112.6	473.1	739.2	869.4	916.6
107.5°	133.6	479.9	788.7	897.3	942.8
110°	155.2	483.3	818.2	929.7	968.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	175.1	486.2	806.9	967.2	999.0
115°	196.2	489.0	800.0	988.8	1032.6
117.5°	216.6	490.7	792.1	966.6	1032.6
120°	237.1	493.6	785.2	951.9	1009.3
122.5°	254.2	497.0	777.3	938.8	993.4
125°	273.5	499.8	768.2	924.6	978.0
127.5°	292.3	502.7	758.0	909.8	962.7
130°	308.8	508.9	747.7	895.0	943.9
132.5°	323.5	512.3	736.3	877.4	925.7
135°	338.3	513.5	724.4	860.3	906.4
137.5°	352.5	512.9	712.5	841.0	884.8
140°	367.3	511.2	697.7	821.1	862.6
142.5°	380.4	507.8	682.9	798.9	837.6
145°	392.9	503.8	667.5	775.6	812.0
147.5°	403.7	497.5	655.6	750.6	785.8
150°	413.9	490.7	641.4	725.0	756.3
152.5°	421.3	484.5	623.8	700.5	726.7
155°	430.4	478.8	602.2	678.9	702.2
157.5°	436.1	474.2	579.4	652.2	674.9
160°	443.5	470.8	556.1	623.2	644.2
162.5°	448.6	467.4	530.5	590.8	611.3
165°	452.0	464.6	507.2	556.7	575.4
167.5°	455.5	463.4	490.1	520.8	535.6
170°	458.3	462.3	478.2	494.1	502.1
172.5°	460.0	461.7	468.5	477.1	481.0
175°	461.1	461.7	464.6	466.3	467.4
177.5°	461.7	461.7	461.7	461.1	461.7
180°	461.1	461.1	461.1	461.1	461.1

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