

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: P275223

Luminaire Tested: **J3-UL-50L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275223
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 (2700K)
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 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3928.3 lumens
Efficiency: N/A
Efficacy: 111.0 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

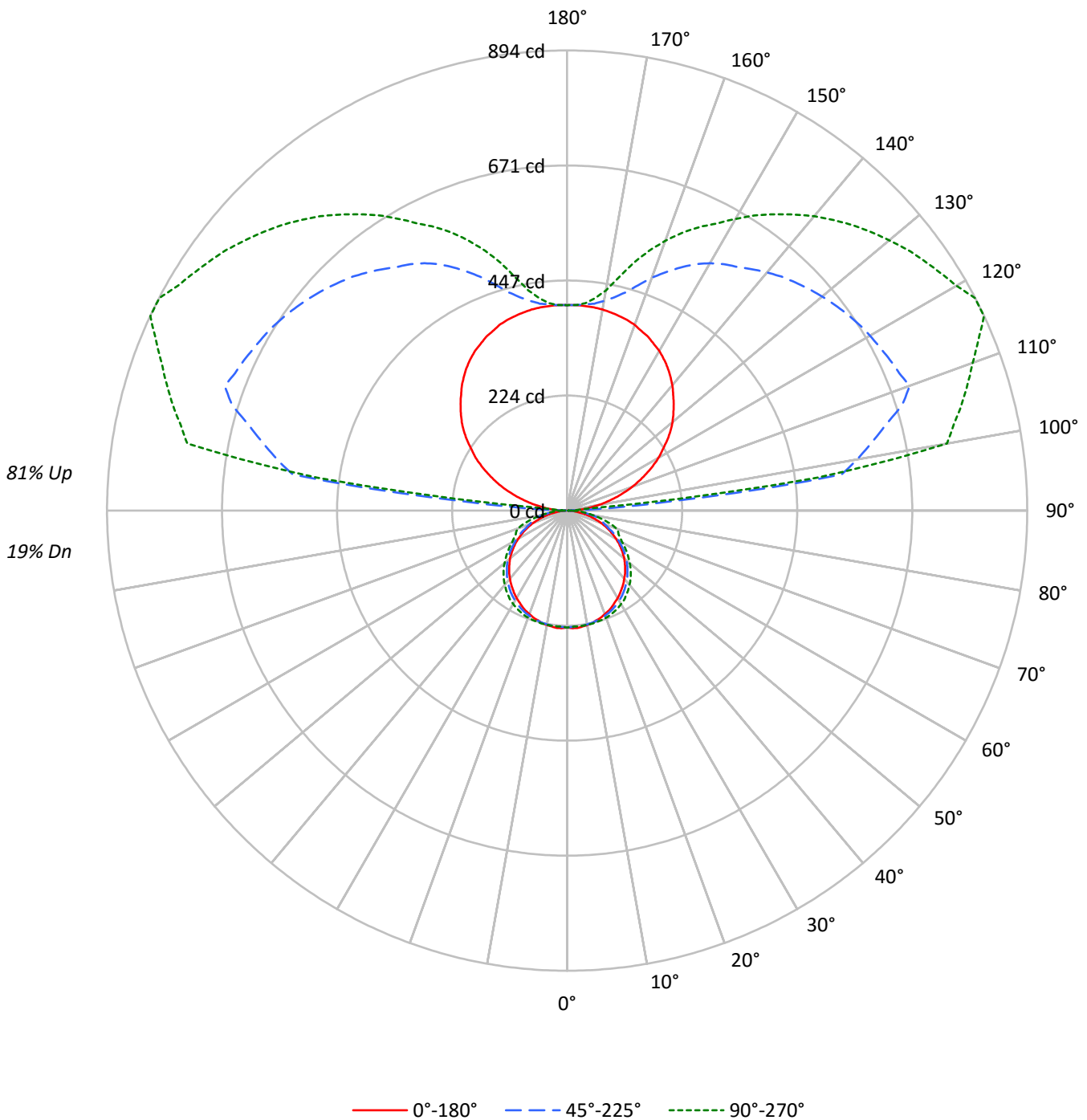
Input Watts (W): 35.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1835	1835	1835
5°	1854	1834	1830
10°	1851	1840	1848
15°	1842	1850	1871
20°	1838	1864	1902
25°	1837	1876	1928
30°	1830	1885	1954
35°	1823	1891	1974
40°	1820	1893	1987
45°	1820	1893	1995
50°	1817	1891	1996
55°	1800	1883	1994
60°	1771	1850	1994
65°	1719	1832	2105
70°	1650	1834	2393
75°	1519	2102	2411
80°	1325	2129	2357
85°	1047	2418	2686



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.6	0.6
10°-20°	62.8	1.6
20°-30°	97.5	2.5
30°-40°	120.5	3.1
40°-50°	128.6	3.3
50°-60°	119.8	3.0
60°-70°	97.6	2.5
70°-80°	67.2	1.7
80°-90°	26.4	0.7
90°-100°	231.7	5.9
100°-110°	593.2	15.1
110°-120°	613.9	15.6
120°-130°	546.9	13.9
130°-140°	455.5	11.6
140°-150°	346.7	8.8
150°-160°	233.2	5.9
160°-170°	126.4	3.2
170°-180°	38.7	1.0
0°-30°	181.9	4.6
0°-40°	302.5	7.7
0°-60°	550.8	14.0
0°-90°	741.9	18.9
90°-120°	1438.9	36.6
90°-150°	2788.0	71.0
90°-180°	3186.0	81.1
0°-180°	3928.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	227	227	227	227	227	
5°	229	228	226	227	226	22
15°	220	222	221	224	224	62
25°	206	208	211	215	216	95
35°	185	188	192	198	200	116
45°	159	162	166	172	175	123
55°	128	130	134	138	142	114
65°	90	92	96	105	110	89
75°	49	52	67	75	77	51
85°	11	21	26	29	29	13
90°	2	2	2	2	2	4
95°	33	258	190	32	32	32
105°	97	409	640	752	793	103
115°	170	423	692	856	894	168
125°	237	432	665	800	846	212
135°	293	444	627	744	784	226
145°	340	436	578	671	703	213
155°	372	414	521	588	608	172
165°	391	402	439	482	498	111
175°	399	400	402	404	404	38
180°	399	399	399	399	399	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	227.3	227.3	227.3	227.3	227.3
2.5°	228.8	228.3	226.3	226.8	225.8
5°	228.8	227.8	226.3	226.8	225.8
7.5°	227.3	226.8	225.4	226.3	225.8
10°	225.8	225.4	224.4	225.8	225.4
12.5°	223.9	223.9	223.4	224.9	224.9
15°	220.4	221.9	221.4	223.9	223.9
17.5°	218.0	219.0	219.5	222.4	222.9
20°	214.0	216.0	217.0	219.9	221.4
22.5°	210.6	212.6	214.0	218.0	219.5
25°	206.2	208.1	210.6	215.0	216.5
27.5°	200.8	204.2	206.7	212.1	213.5
30°	196.3	198.8	202.2	207.6	209.6
32.5°	190.9	193.9	197.3	203.2	205.7
35°	185.0	188.0	191.9	198.3	200.3
37.5°	179.1	181.6	186.0	192.4	194.8
40°	172.7	175.2	179.6	186.5	188.5
42.5°	166.3	168.8	173.2	179.6	182.1
45°	159.4	161.9	165.8	171.7	174.7
47.5°	152.0	154.5	158.4	164.3	167.3
50°	144.7	146.6	150.6	156.0	158.9
52.5°	136.3	138.3	142.2	147.1	150.1
55°	127.9	129.9	133.8	138.3	141.7
57.5°	119.1	121.0	124.0	128.9	132.9
60°	109.7	111.7	114.6	120.1	123.5
62.5°	99.9	101.9	105.3	111.2	116.6
65°	90.0	92.0	95.9	104.8	110.2
67.5°	80.2	82.2	85.6	98.4	107.3
70°	69.9	71.8	77.7	95.5	101.4
72.5°	59.0	62.0	71.8	88.1	90.5
75°	48.7	51.7	67.4	75.3	77.3
77.5°	37.9	42.3	58.6	62.0	63.0
80°	28.5	34.9	45.8	50.2	50.7
82.5°	19.2	30.0	35.4	38.4	38.4
85°	11.3	20.7	26.1	29.0	29.0
87.5°	6.4	13.8	19.2	22.6	22.1
90°	1.5	2.5	2.5	2.0	2.0
92.5°	17.7	48.2	15.7	14.8	14.8
95°	33.0	257.8	189.9	32.0	32.0
97.5°	45.8	313.4	537.8	651.0	489.6
100°	62.5	375.9	572.2	705.1	749.4
102.5°	78.7	399.0	604.7	724.8	769.1
105°	97.4	409.4	639.7	752.3	793.2
107.5°	115.6	415.3	682.5	776.4	815.8
110°	134.3	418.2	708.0	804.5	838.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	151.5	420.7	698.2	837.0	864.5
115°	169.8	423.2	692.3	855.7	893.5
117.5°	187.5	424.6	685.4	836.5	893.5
120°	205.2	427.1	679.5	823.7	873.4
122.5°	219.9	430.0	672.6	812.4	859.6
125°	236.7	432.5	664.7	800.1	846.3
127.5°	252.9	435.0	655.9	787.3	833.0
130°	267.2	440.4	647.0	774.5	816.8
132.5°	280.0	443.3	637.2	759.2	801.0
135°	292.8	444.3	626.9	744.5	784.3
137.5°	305.1	443.8	616.5	727.7	765.6
140°	317.9	442.3	603.7	710.5	746.4
142.5°	329.2	439.4	590.9	691.3	724.8
145°	340.0	435.9	577.7	671.1	702.6
147.5°	349.3	430.5	567.3	649.5	680.0
150°	358.2	424.6	555.0	627.4	654.4
152.5°	364.6	419.2	539.8	606.2	628.8
155°	372.5	414.3	521.1	587.5	607.7
157.5°	377.4	410.4	501.4	564.4	584.1
160°	383.8	407.4	481.2	539.3	557.5
162.5°	388.2	404.5	459.1	511.2	528.9
165°	391.2	402.0	438.9	481.7	497.9
167.5°	394.1	401.0	424.1	450.7	463.5
170°	396.6	400.0	413.8	427.6	434.5
172.5°	398.1	399.5	405.4	412.8	416.3
175°	399.0	399.5	402.0	403.5	404.5
177.5°	399.5	399.5	399.5	399.0	399.5
180°	399.0	399.0	399.0	399.0	399.0

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