

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: P275225

Luminaire Tested: **J3-UL-50L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275225
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 (3500K)
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 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4289.0 lumens
Efficiency: N/A
Efficacy: 120.5 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

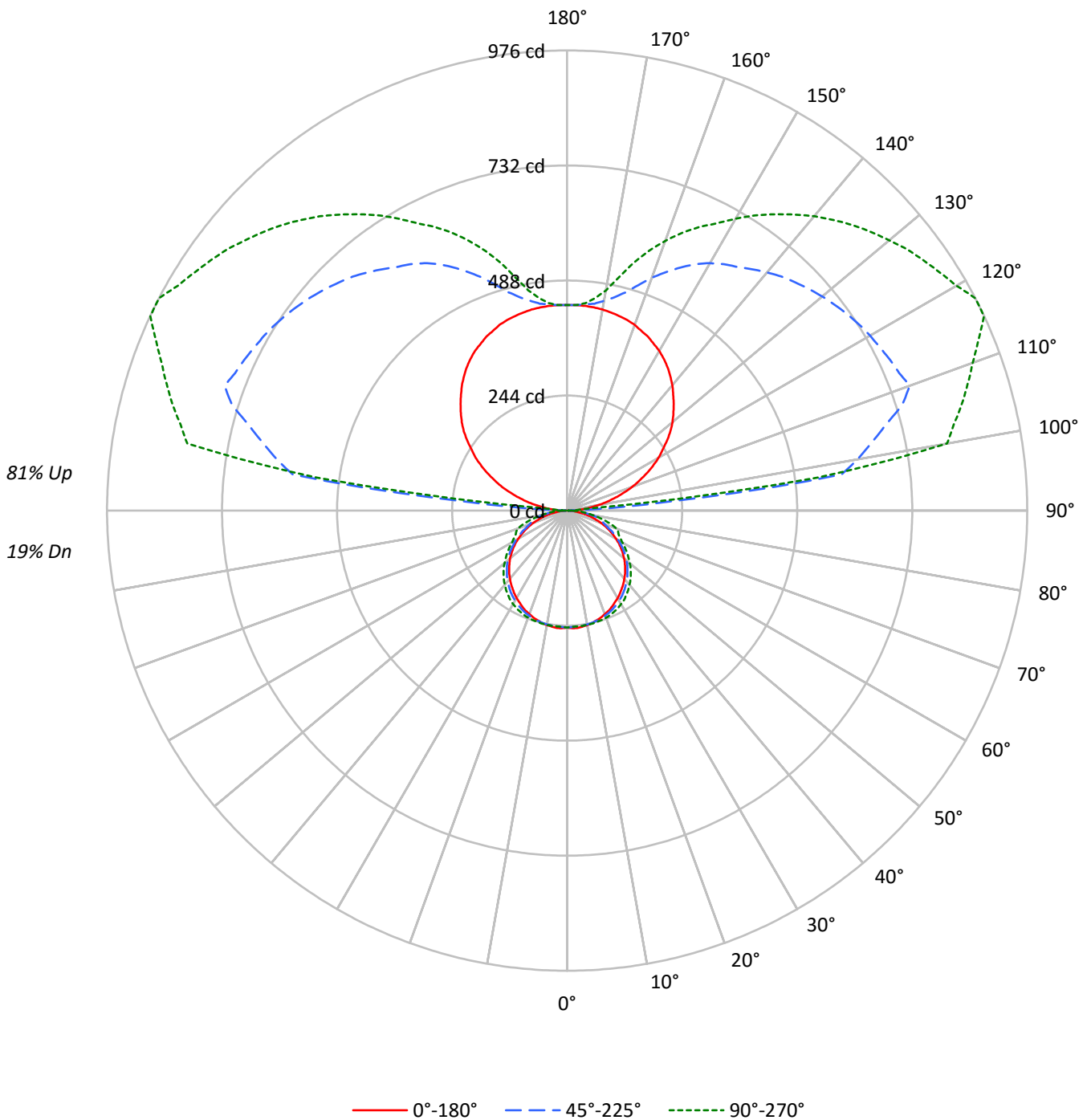
Input Watts (W): 35.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2004	2004	2004
5°	2024	2002	1998
10°	2021	2008	2017
15°	2012	2021	2043
20°	2008	2035	2077
25°	2005	2048	2106
30°	1999	2058	2134
35°	1991	2065	2155
40°	1988	2067	2169
45°	1988	2066	2177
50°	1983	2065	2179
55°	1966	2056	2177
60°	1934	2021	2176
65°	1878	2002	2298
70°	1801	2004	2613
75°	1659	2296	2629
80°	1450	2325	2571
85°	1149	2640	2936



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.6	0.6
10°-20°	68.6	1.6
20°-30°	106.4	2.5
30°-40°	131.6	3.1
40°-50°	140.4	3.3
50°-60°	130.8	3.0
60°-70°	106.5	2.5
70°-80°	73.3	1.7
80°-90°	28.8	0.7
90°-100°	253.0	5.9
100°-110°	647.7	15.1
110°-120°	670.3	15.6
120°-130°	597.1	13.9
130°-140°	497.3	11.6
140°-150°	378.6	8.8
150°-160°	254.7	5.9
160°-170°	138.0	3.2
170°-180°	42.3	1.0
0°-30°	198.6	4.6
0°-40°	330.2	7.7
0°-60°	601.4	14.0
0°-90°	810.1	18.9
90°-120°	1571.0	36.6
90°-150°	3044.0	71.0
90°-180°	3479.0	81.1
0°-180°	4289.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	248	248	248	248	248	
5°	250	249	247	248	247	24
15°	241	242	242	244	244	68
25°	225	227	230	235	236	104
35°	202	205	210	216	219	127
45°	174	177	181	188	191	134
55°	140	142	146	151	155	125
65°	98	100	105	114	120	97
75°	53	56	74	82	84	56
85°	12	23	28	32	32	14
90°	2	3	3	2	2	4
95°	36	282	207	35	35	35
105°	106	447	698	821	866	112
115°	185	462	756	934	976	183
125°	258	472	726	874	924	231
135°	320	485	684	813	856	247
145°	371	476	631	733	767	232
155°	407	452	569	642	664	187
165°	427	439	479	526	544	121
175°	436	436	439	440	442	42
180°	436	436	436	436	436	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	248.2	248.2	248.2	248.2	248.2
2.5°	249.8	249.3	247.1	247.7	246.6
5°	249.8	248.7	247.1	247.7	246.6
7.5°	248.2	247.7	246.1	247.1	246.6
10°	246.6	246.1	245.0	246.6	246.1
12.5°	244.4	244.4	243.9	245.5	245.5
15°	240.7	242.3	241.8	244.4	244.4
17.5°	238.0	239.1	239.6	242.8	243.4
20°	233.7	235.8	236.9	240.1	241.8
22.5°	229.9	232.1	233.7	238.0	239.6
25°	225.1	227.2	229.9	234.8	236.4
27.5°	219.2	223.0	225.6	231.5	233.2
30°	214.4	217.0	220.8	226.7	228.9
32.5°	208.4	211.7	215.4	221.9	224.6
35°	202.0	205.2	209.5	216.5	218.7
37.5°	195.6	198.2	203.1	210.1	212.7
40°	188.6	191.3	196.1	203.6	205.8
42.5°	181.6	184.3	189.1	196.1	198.8
45°	174.1	176.7	181.0	187.5	190.7
47.5°	166.0	168.7	173.0	179.4	182.7
50°	157.9	160.1	164.4	170.3	173.5
52.5°	148.8	151.0	155.3	160.6	163.9
55°	139.7	141.8	146.1	151.0	154.7
57.5°	130.0	132.2	135.4	140.8	145.1
60°	119.8	122.0	125.2	131.1	134.8
62.5°	109.1	111.2	115.0	121.4	127.3
65°	98.3	100.5	104.8	114.4	120.3
67.5°	87.6	89.7	93.5	107.4	117.1
70°	76.3	78.4	84.9	104.2	110.7
72.5°	64.5	67.7	78.4	96.2	98.9
75°	53.2	56.4	73.6	82.2	84.3
77.5°	41.4	46.2	63.9	67.7	68.8
80°	31.2	38.1	50.0	54.8	55.3
82.5°	21.0	32.8	38.7	41.9	41.9
85°	12.4	22.6	28.5	31.7	31.7
87.5°	7.0	15.0	21.0	24.7	24.2
90°	1.6	2.7	2.7	2.1	2.1
92.5°	19.3	52.6	17.2	16.1	16.1
95°	36.0	281.5	207.4	34.9	34.9
97.5°	50.0	342.2	587.2	710.8	534.5
100°	68.2	410.4	624.8	769.8	818.2
102.5°	86.0	435.7	660.3	791.3	839.7
105°	106.4	447.0	698.4	821.4	866.0
107.5°	126.2	453.4	745.1	847.7	890.7
110°	146.7	456.6	773.1	878.4	915.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	165.5	459.3	762.3	913.8	943.9
115°	185.3	462.0	755.9	934.2	975.6
117.5°	204.7	463.6	748.4	913.3	975.6
120°	224.0	466.3	741.9	899.3	953.6
122.5°	240.1	469.5	734.4	887.0	938.5
125°	258.4	472.2	725.8	873.5	924.0
127.5°	276.1	474.9	716.1	859.6	909.5
130°	291.7	480.8	706.5	845.6	891.8
132.5°	305.7	484.0	695.7	828.9	874.6
135°	319.7	485.1	684.4	812.8	856.3
137.5°	333.1	484.6	673.1	794.6	835.9
140°	347.1	483.0	659.2	775.8	815.0
142.5°	359.4	479.7	645.2	754.8	791.3
145°	371.2	476.0	630.7	732.8	767.2
147.5°	381.4	470.1	619.4	709.1	742.5
150°	391.1	463.6	606.0	685.0	714.5
152.5°	398.1	457.7	589.3	661.9	686.6
155°	406.7	452.3	568.9	641.5	663.5
157.5°	412.1	448.0	547.4	616.2	637.7
160°	419.0	444.8	525.4	588.8	608.7
162.5°	423.9	441.6	501.2	558.2	577.5
165°	427.1	438.9	479.2	525.9	543.7
167.5°	430.3	437.8	463.1	492.1	506.1
170°	433.0	436.8	451.8	466.9	474.4
172.5°	434.6	436.2	442.7	450.7	454.5
175°	435.7	436.2	438.9	440.5	441.6
177.5°	436.2	436.2	436.2	435.7	436.2
180°	435.7	435.7	435.7	435.7	435.7

(END OF REPORT)