

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: P253573

Luminaire Tested: **J3-UL-30L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253573
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-30L93050-1D-UNV-W2A-W-4 (3000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (336) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2344.7 lumens
Efficiency: N/A
Efficacy: 110.6 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

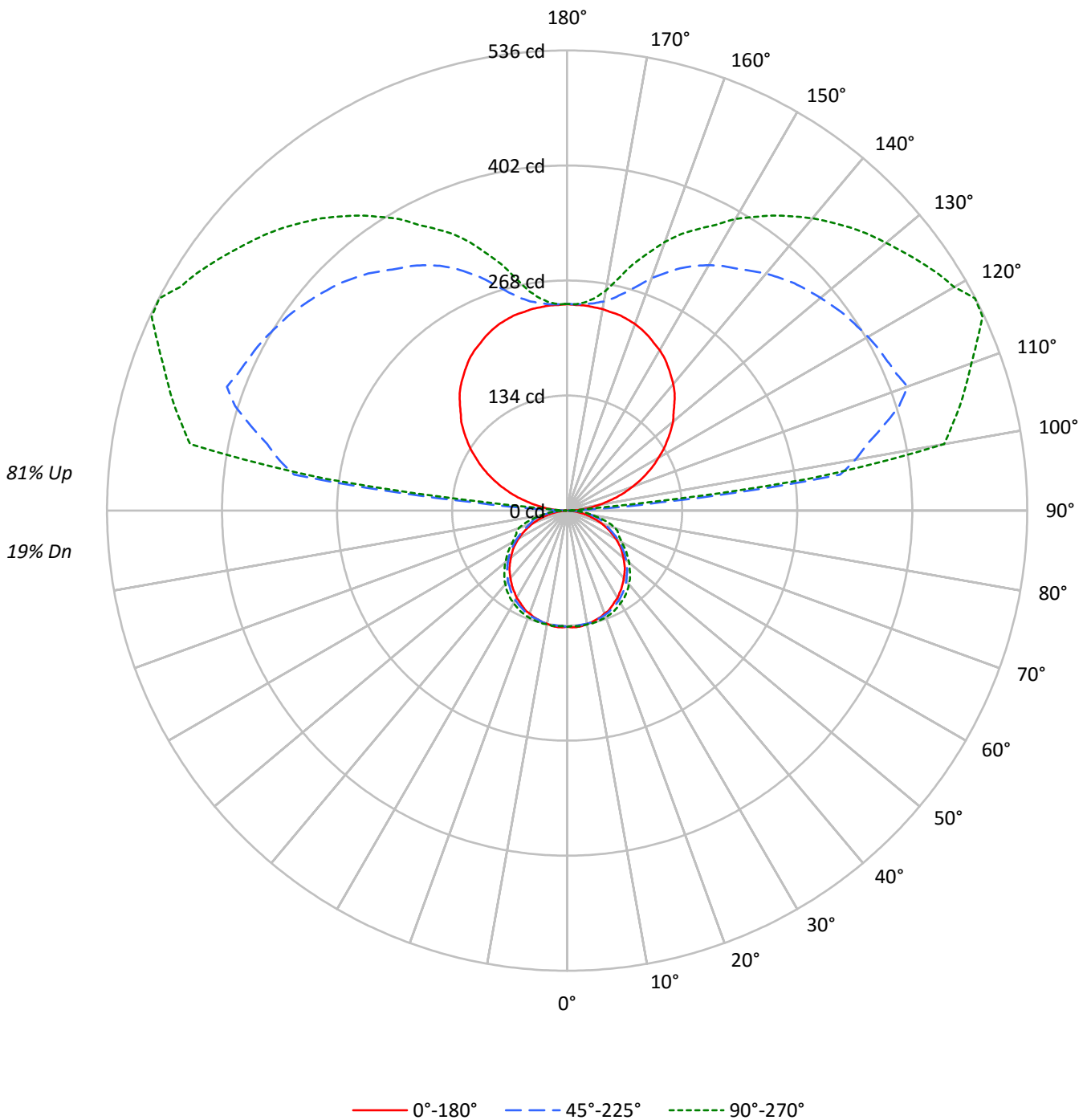
Input Watts (W): 21.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	27	27	27	19				
1	91	86	83	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°	1093	1093	1093
5°	1104	1091	1097
10°	1098	1098	1103
15°	1099	1099	1119
20°	1096	1110	1137
25°	1096	1116	1151
30°	1095	1124	1161
35°	1089	1127	1174
40°	1082	1132	1181
45°	1085	1128	1182
50°	1075	1124	1183
55°	1074	1118	1184
60°	1056	1106	1182
65°	1026	1085	1249
70°	975	1102	1414
75°	898	1263	1432
80°	795	1265	1376
85°	648	1445	1584



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.9	0.5
10°-20°	37.4	1.6
20°-30°	58.0	2.5
30°-40°	71.8	3.1
40°-50°	76.5	3.3
50°-60°	71.3	3.0
60°-70°	58.1	2.5
70°-80°	39.9	1.7
80°-90°	15.6	0.7
90°-100°	137.0	5.8
100°-110°	354.2	15.1
110°-120°	367.2	15.7
120°-130°	326.4	13.9
130°-140°	272.1	11.6
140°-150°	207.4	8.8
150°-160°	139.8	6.0
160°-170°	75.8	3.2
170°-180°	23.3	1.0
0°-30°	108.3	4.6
0°-40°	180.1	7.7
0°-60°	327.9	14.0
0°-90°	441.5	18.8
90°-120°	858.5	36.6
90°-150°	1664.4	71.0
90°-180°	1903.0	81.2
0°-180°	2344.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	135	135	135	135	135	
5°	136	135	135	135	135	13
15°	132	132	132	133	134	37
25°	123	124	125	128	129	57
35°	110	111	114	118	119	69
45°	95	96	99	103	104	73
55°	76	77	79	82	84	68
65°	54	55	57	62	65	53
75°	29	31	40	45	46	30
85°	7	12	16	17	17	8
90°	1	2	2	1	1	2
95°	20	153	108	19	19	19
105°	59	245	381	450	474	62
115°	103	253	412	514	534	101
125°	142	258	396	478	504	127
135°	177	266	374	444	466	136
145°	205	262	344	402	420	128
155°	224	250	311	352	362	103
165°	236	242	263	289	297	67
175°	240	240	241	243	244	23
180°	240	240	240	240	240	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	135.4	135.4	135.4	135.4	135.4
2.5°	136.2	136.2	134.6	134.6	134.6
5°	136.2	135.4	134.6	134.6	135.4
7.5°	135.4	135.4	133.9	134.6	135.4
10°	133.9	133.9	133.9	134.6	134.6
12.5°	133.1	133.1	133.1	133.9	134.6
15°	131.5	131.5	131.5	133.1	133.9
17.5°	130.0	130.0	130.8	132.3	133.1
20°	127.6	128.4	129.2	131.5	132.3
22.5°	126.1	126.1	127.6	130.0	130.8
25°	123.0	123.8	125.3	128.4	129.2
27.5°	119.9	120.6	123.0	126.1	126.9
30°	117.5	118.3	120.6	123.8	124.5
32.5°	113.6	115.2	117.5	121.4	122.2
35°	110.5	111.3	114.4	118.3	119.1
37.5°	106.6	108.2	110.5	114.4	116.0
40°	102.7	104.3	107.4	111.3	112.1
42.5°	98.8	100.4	102.7	106.6	108.2
45°	95.0	96.5	98.8	102.7	103.5
47.5°	90.3	91.8	94.2	98.1	98.8
50°	85.6	87.2	89.5	92.6	94.2
52.5°	80.9	82.5	84.8	88.0	88.7
55°	76.3	77.1	79.4	82.5	84.1
57.5°	70.8	72.4	73.9	77.1	78.6
60°	65.4	66.2	68.5	71.6	73.2
62.5°	59.2	60.7	63.0	66.2	69.3
65°	53.7	55.3	56.8	62.3	65.4
67.5°	47.5	49.0	51.4	58.4	63.8
70°	41.3	42.8	46.7	56.8	59.9
72.5°	35.0	36.6	42.8	52.1	53.7
75°	28.8	31.1	40.5	45.1	45.9
77.5°	22.6	24.9	34.2	36.6	37.4
80°	17.1	21.0	27.2	29.6	29.6
82.5°	11.7	17.9	21.0	22.6	23.3
85°	7.0	12.5	15.6	17.1	17.1
87.5°	3.9	7.8	10.9	13.2	12.5
90°	0.8	1.6	1.6	0.8	0.8
92.5°	10.9	31.9	9.3	8.6	8.6
95°	19.5	153.3	108.2	18.7	18.7
97.5°	28.0	187.6	320.7	377.5	284.1
100°	37.4	222.6	340.9	421.8	446.0
102.5°	47.5	238.9	358.0	433.5	459.2
105°	59.2	245.2	381.4	449.9	474.0
107.5°	70.0	249.1	405.5	464.7	487.2
110°	80.9	250.6	421.8	481.8	501.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	91.8	252.2	415.6	502.0	516.8
115°	102.7	253.0	411.7	513.7	533.9
117.5°	112.9	254.5	408.6	502.0	535.5
120°	123.0	256.1	404.7	492.7	520.7
122.5°	133.1	257.6	400.1	485.7	512.9
125°	142.4	258.4	396.2	477.9	503.6
127.5°	151.8	260.0	390.7	470.1	494.2
130°	161.1	263.1	385.3	461.5	484.9
132.5°	168.1	265.4	379.8	453.8	476.3
135°	176.7	266.2	374.4	444.4	466.2
137.5°	185.2	266.2	367.4	435.1	455.3
140°	192.2	265.4	360.4	424.2	444.4
142.5°	198.5	263.9	351.8	413.3	432.0
145°	204.7	261.5	344.0	401.6	419.5
147.5°	210.9	259.2	337.8	389.2	405.5
150°	215.6	256.1	330.0	375.9	392.3
152.5°	219.5	252.2	321.4	363.5	375.2
155°	224.2	249.8	311.3	351.8	361.9
157.5°	228.0	246.7	299.7	339.3	348.7
160°	231.2	245.2	288.0	323.0	333.1
162.5°	233.5	242.8	274.7	306.7	314.4
165°	235.8	242.1	263.1	288.8	297.3
167.5°	236.6	240.5	253.7	270.1	277.1
170°	238.2	240.5	247.5	256.8	260.0
172.5°	238.9	240.5	243.6	248.3	249.8
175°	239.7	240.5	241.3	242.8	243.6
177.5°	239.7	240.5	240.5	240.5	240.5
180°	240.5	240.5	240.5	240.5	240.5

(END OF REPORT)