

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: P253595

Luminaire Tested: **J3-UL-50L93050-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253595
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-50L93050-1D-UNV-W2A-W-4 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4679.0 lumens
Efficiency: N/A
Efficacy: 126.5 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

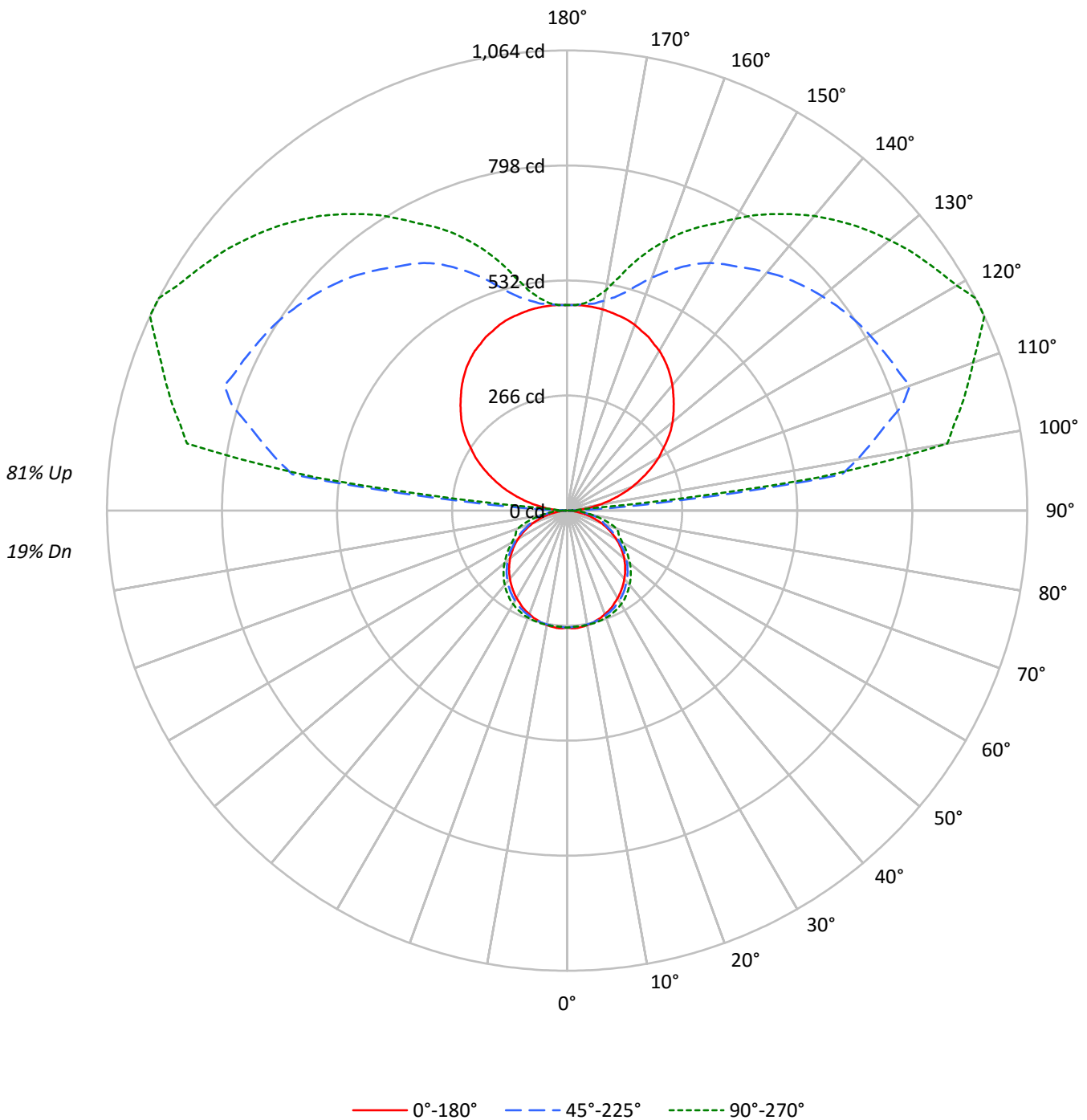
Input Watts (W): 37
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2186	2186	2186
5°	2208	2185	2180
10°	2205	2190	2200
15°	2195	2204	2229
20°	2190	2221	2265
25°	2188	2234	2297
30°	2179	2246	2328
35°	2172	2253	2350
40°	2168	2254	2366
45°	2168	2255	2376
50°	2164	2252	2377
55°	2145	2244	2376
60°	2110	2206	2375
65°	2050	2183	2508
70°	1964	2186	2849
75°	1809	2505	2870
80°	1581	2534	2808
85°	1250	2881	3205



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.7	0.6
10°-20°	74.8	1.6
20°-30°	116.1	2.5
30°-40°	143.6	3.1
40°-50°	153.1	3.3
50°-60°	142.7	3.0
60°-70°	116.2	2.5
70°-80°	80.0	1.7
80°-90°	31.5	0.7
90°-100°	276.0	5.9
100°-110°	706.6	15.1
110°-120°	731.2	15.6
120°-130°	651.4	13.9
130°-140°	542.5	11.6
140°-150°	413.0	8.8
150°-160°	277.8	5.9
160°-170°	150.5	3.2
170°-180°	46.1	1.0
0°-30°	216.7	4.6
0°-40°	360.2	7.7
0°-60°	656.0	14.0
0°-90°	883.7	18.9
90°-120°	1713.8	36.6
90°-150°	3320.8	71.0
90°-180°	3795.0	81.1
0°-180°	4679.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	271	271	271	271	271	
5°	272	271	270	270	269	26
15°	263	264	264	267	267	74
25°	246	248	251	256	258	113
35°	220	224	229	236	238	138
45°	190	193	198	204	208	146
55°	152	155	159	165	169	136
65°	107	110	114	125	131	106
75°	58	62	80	90	92	61
85°	14	25	31	35	35	16
90°	2	3	3	2	2	4
95°	39	307	226	38	38	39
105°	116	488	762	896	945	123
115°	202	504	825	1019	1064	200
125°	282	515	792	953	1008	252
135°	349	529	747	887	934	269
145°	405	519	688	799	837	253
155°	444	494	621	700	724	204
165°	466	479	523	574	593	132
175°	475	476	479	481	482	45
180°	475	475	475	475	475	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	270.8	270.8	270.8	270.8	270.8
2.5°	272.5	271.9	269.6	270.2	269.0
5°	272.5	271.3	269.6	270.2	269.0
7.5°	270.8	270.2	268.4	269.6	269.0
10°	269.0	268.4	267.2	269.0	268.4
12.5°	266.7	266.7	266.1	267.8	267.8
15°	262.6	264.3	263.7	266.7	266.7
17.5°	259.6	260.8	261.4	264.9	265.5
20°	254.9	257.3	258.5	262.0	263.7
22.5°	250.8	253.2	254.9	259.6	261.4
25°	245.6	247.9	250.8	256.1	257.9
27.5°	239.1	243.2	246.1	252.6	254.4
30°	233.8	236.8	240.9	247.3	249.7
32.5°	227.4	230.9	235.0	242.0	245.0
35°	220.4	223.9	228.6	236.2	238.5
37.5°	213.3	216.3	221.5	229.2	232.1
40°	205.7	208.6	213.9	222.1	224.5
42.5°	198.1	201.0	206.3	213.9	216.8
45°	189.9	192.8	197.5	204.5	208.1
47.5°	181.1	184.0	188.7	195.7	199.3
50°	172.3	174.6	179.3	185.8	189.3
52.5°	162.3	164.7	169.4	175.2	178.8
55°	152.4	154.7	159.4	164.7	168.8
57.5°	141.8	144.2	147.7	153.6	158.2
60°	130.7	133.0	136.6	143.0	147.1
62.5°	119.0	121.3	125.4	132.5	138.9
65°	107.3	109.6	114.3	124.8	131.3
67.5°	95.5	97.9	102.0	117.2	127.8
70°	83.2	85.6	92.6	113.7	120.7
72.5°	70.3	73.8	85.6	104.9	107.8
75°	58.0	61.5	80.3	89.7	92.0
77.5°	45.1	50.4	69.7	73.8	75.0
80°	34.0	41.6	54.5	59.8	60.4
82.5°	22.9	35.8	42.2	45.7	45.7
85°	13.5	24.6	31.1	34.6	34.6
87.5°	7.6	16.4	22.9	27.0	26.4
90°	1.8	2.9	2.9	2.3	2.3
92.5°	21.1	57.4	18.8	17.6	17.6
95°	39.3	307.1	226.2	38.1	38.1
97.5°	54.5	373.3	640.6	775.4	583.1
100°	74.4	447.8	681.6	839.8	892.6
102.5°	93.8	475.3	720.3	863.3	916.0
105°	116.0	487.6	761.9	896.1	944.7
107.5°	137.7	494.6	812.9	924.8	971.7
110°	160.0	498.2	843.4	958.2	998.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	180.5	501.1	831.6	996.9	1029.7
115°	202.2	504.0	824.6	1019.2	1064.3
117.5°	223.3	505.8	816.4	996.3	1064.3
120°	244.4	508.7	809.4	981.1	1040.3
122.5°	262.0	512.2	801.2	967.6	1023.9
125°	281.9	515.2	791.8	952.9	1008.0
127.5°	301.2	518.1	781.2	937.7	992.2
130°	318.2	524.5	770.7	922.5	972.9
132.5°	333.5	528.0	759.0	904.3	954.1
135°	348.7	529.2	746.7	886.7	934.2
137.5°	363.4	528.6	734.3	866.8	911.9
140°	378.6	526.9	719.1	846.3	889.1
142.5°	392.1	523.4	703.9	823.4	863.3
145°	405.0	519.3	688.0	799.4	836.9
147.5°	416.1	512.8	675.7	773.6	809.9
150°	426.7	505.8	661.1	747.2	779.5
152.5°	434.3	499.3	642.9	722.0	749.0
155°	443.7	493.5	620.6	699.8	723.8
157.5°	449.5	488.8	597.2	672.2	695.7
160°	457.1	485.3	573.2	642.3	664.0
162.5°	462.4	481.7	546.8	608.9	630.0
165°	465.9	478.8	522.8	573.8	593.1
167.5°	469.4	477.6	505.2	536.8	552.1
170°	472.4	476.5	492.9	509.3	517.5
172.5°	474.1	475.9	482.9	491.7	495.8
175°	475.3	475.9	478.8	480.6	481.7
177.5°	475.9	475.9	475.9	475.3	475.9
180°	475.3	475.3	475.3	475.3	475.3

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