

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: P253484

Luminaire Tested: **J3-CL-40L93050-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253484
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-CL-40L93050-1D-UNV-W2A-W-4 (4000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (336) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3530.2 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

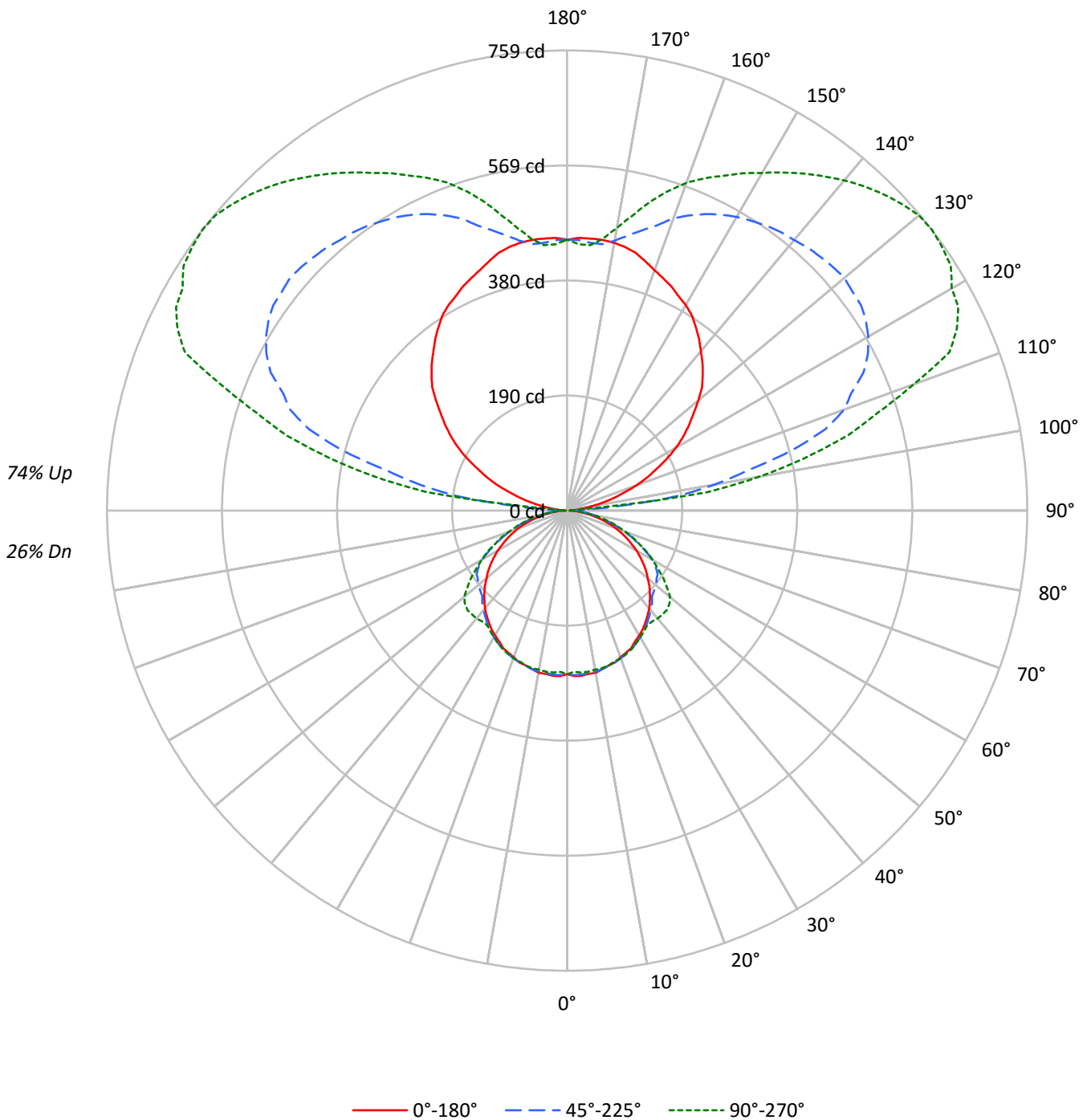
Input Watts (W): 28.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	92	88	84	80	82	78	75	72	61	58	56	44	43	42	29	28	28	21
2	84	76	70	65	74	68	63	59	53	49	46	38	36	34	25	24	23	17
3	76	67	60	54	67	60	54	49	46	42	38	34	31	29	22	21	19	14
4	69	59	51	45	61	53	46	41	41	36	32	30	27	24	20	18	16	12
5	63	52	44	38	56	47	40	35	36	31	28	27	23	21	18	16	14	10
6	58	46	39	33	52	42	35	30	32	28	24	24	21	18	16	14	12	9
7	54	42	34	29	48	37	31	26	29	24	21	22	18	16	14	12	11	8
8	50	38	30	25	44	34	27	23	26	22	18	20	16	14	13	11	9	7
9	46	34	27	22	41	31	24	20	24	19	16	18	15	12	12	10	8	6
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2178	2178	2178
5°	2216	2201	2172
10°	2226	2212	2182
15°	2210	2210	2210
20°	2210	2226	2226
25°	2228	2244	2244
30°	2215	2248	2248
35°	2218	2254	2272
40°	2222	2259	2448
45°	2203	2264	2652
50°	2177	2401	2782
55°	2163	2564	2716
60°	2134	2625	2625
65°	2082	2491	2525
70°	2025	2363	2403
75°	1893	2230	2286
80°	1743	2162	2078
85°	1658	2316	1982



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.7	0.7
10°-20°	74.7	2.1
20°-30°	115.4	3.3
30°-40°	143.1	4.1
40°-50°	160.2	4.5
50°-60°	156.5	4.4
60°-70°	123.5	3.5
70°-80°	74.7	2.1
80°-90°	26.6	0.8
90°-100°	91.7	2.6
100°-110°	354.6	10.0
110°-120°	487.3	13.8
120°-130°	493.0	14.0
130°-140°	436.9	12.4
140°-150°	345.6	9.8
150°-160°	241.3	6.8
160°-170°	136.5	3.9
170°-180°	42.8	1.2
0°-30°	215.8	6.1
0°-40°	358.9	10.2
0°-60°	675.6	19.1
0°-90°	900.4	25.5
90°-120°	933.6	26.4
90°-150°	2209.1	62.6
90°-180°	2630.0	74.5
0°-180°	3530.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	270	270	270	270	270	
5°	273	270	272	270	268	26
15°	264	263	264	264	264	75
25°	250	247	252	252	252	115
35°	225	225	229	230	230	141
45°	193	195	198	223	232	149
55°	154	155	182	193	193	137
65°	109	114	130	132	132	107
75°	61	72	72	73	73	64
85°	18	29	25	23	21	19
90°	4	11	9	2	2	3
95°	14	72	86	18	18	18
105°	79	254	384	443	479	84
115°	163	343	540	668	709	162
125°	245	397	591	720	756	219
135°	316	436	591	708	738	244
145°	370	447	574	658	679	231
155°	407	436	540	598	609	188
165°	440	438	479	520	527	124
175°	450	445	443	443	440	43
180°	447	447	447	447	447	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	269.8	269.8	269.8	269.8	269.8
2.5°	273.4	269.8	271.6	269.8	266.2
5°	273.4	269.8	271.6	269.8	268.0
7.5°	271.6	269.8	269.8	268.0	268.0
10°	271.6	268.0	269.8	268.0	266.2
12.5°	268.0	266.2	268.0	266.2	266.2
15°	264.4	262.6	264.4	264.4	264.4
17.5°	262.6	259.1	262.6	262.6	260.8
20°	257.3	255.5	259.1	259.1	259.1
22.5°	253.7	251.9	255.5	255.5	255.5
25°	250.1	246.6	251.9	251.9	251.9
27.5°	243.0	243.0	246.6	248.3	246.6
30°	237.6	235.8	241.2	243.0	241.2
32.5°	232.3	230.5	235.8	237.6	235.8
35°	225.1	225.1	228.7	230.5	230.5
37.5°	218.0	218.0	221.5	223.3	230.5
40°	210.8	210.8	214.4	225.1	232.3
42.5°	201.9	201.9	207.2	223.3	232.3
45°	193.0	194.7	198.3	223.3	232.3
47.5°	184.0	185.8	194.7	221.5	228.7
50°	173.3	176.9	191.2	216.2	221.5
52.5°	164.4	166.2	185.8	207.2	207.2
55°	153.7	155.4	182.2	193.0	193.0
57.5°	142.9	144.7	173.3	176.9	176.9
60°	132.2	134.0	162.6	162.6	162.6
62.5°	119.7	123.3	146.5	148.3	148.3
65°	109.0	114.3	130.4	132.2	132.2
67.5°	96.5	105.4	116.1	117.9	117.9
70°	85.8	96.5	100.1	101.8	101.8
72.5°	73.3	84.0	85.8	87.5	87.5
75°	60.7	71.5	71.5	73.3	73.3
77.5°	48.2	57.2	59.0	59.0	59.0
80°	37.5	42.9	46.5	44.7	44.7
82.5°	26.8	33.9	33.9	33.9	32.2
85°	17.9	28.6	25.0	23.2	21.4
87.5°	10.7	25.0	14.3	12.5	12.5
90°	3.6	10.7	8.9	1.8	1.8
92.5°	7.1	17.9	8.9	7.1	5.4
95°	14.3	71.5	85.8	17.9	17.9
97.5°	26.8	119.7	184.0	218.0	234.0
100°	41.1	178.7	246.6	301.9	321.6
102.5°	59.0	216.2	303.7	373.4	402.0
105°	78.6	253.7	384.1	443.1	478.8
107.5°	98.3	282.3	446.7	512.8	537.8
110°	121.5	305.5	486.0	600.3	607.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	142.9	323.4	507.4	643.2	682.5
115°	162.6	343.0	539.6	668.2	709.3
117.5°	185.8	357.3	559.2	682.5	727.2
120°	207.2	369.8	573.5	700.4	732.5
122.5°	226.9	384.1	584.2	714.7	750.4
125°	244.8	396.6	591.4	720.0	755.7
127.5°	262.6	407.4	593.2	721.8	759.3
130°	282.3	418.1	596.7	720.0	757.5
132.5°	301.9	428.8	594.9	714.7	748.6
135°	316.2	435.9	591.4	707.5	737.9
137.5°	330.5	441.3	587.8	696.8	725.4
140°	343.0	444.9	582.4	684.3	711.1
142.5°	357.3	446.7	578.9	671.8	695.0
145°	369.8	446.7	573.5	657.5	678.9
147.5°	382.3	444.9	566.4	643.2	661.1
150°	391.3	441.3	559.2	628.9	643.2
152.5°	398.4	437.7	550.3	612.8	627.1
155°	407.4	435.9	539.6	598.5	609.2
157.5°	414.5	435.9	527.1	582.4	593.2
160°	421.6	435.9	512.8	566.4	575.3
162.5°	430.6	435.9	493.1	543.1	552.1
165°	439.5	437.7	478.8	519.9	527.1
167.5°	444.9	437.7	464.5	491.3	498.5
170°	448.4	441.3	452.0	471.7	473.5
172.5°	450.2	444.9	443.1	452.0	452.0
175°	450.2	444.9	443.1	443.1	439.5
177.5°	450.2	446.7	446.7	444.9	439.5
180°	446.7	446.7	446.7	446.7	446.7

(END OF REPORT)