

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: P253480

Luminaire Tested: **J3-CL-60L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253480
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-60L93050-1D-UNV-W2A-W-4 (3500K)
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 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4912.3 lumens
Efficiency: N/A
Efficacy: 109.4 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

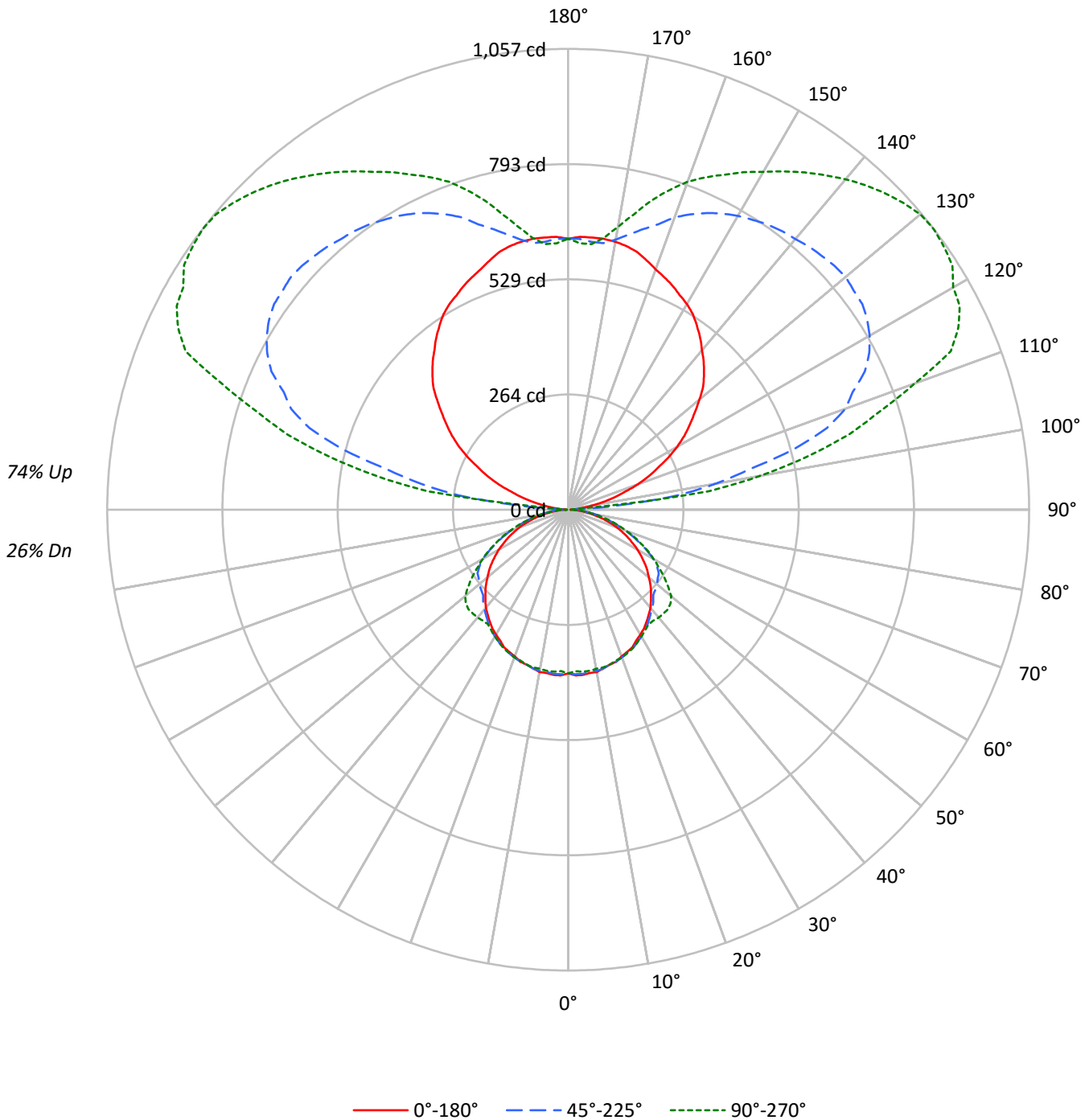
Input Watts (W): 44.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3031	3031	3031
5°	3083	3062	3022
10°	3098	3077	3036
15°	3076	3076	3076
20°	3076	3097	3097
25°	3101	3123	3123
30°	3083	3128	3128
35°	3088	3136	3161
40°	3092	3144	3406
45°	3065	3151	3690
50°	3029	3341	3872
55°	3009	3569	3779
60°	2971	3652	3652
65°	2898	3467	3515
70°	2816	3286	3345
75°	2636	3100	3178
80°	2427	3003	2892
85°	2306	3223	2760



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.8	0.7
10°-20°	103.9	2.1
20°-30°	160.6	3.3
30°-40°	199.2	4.1
40°-50°	222.9	4.5
50°-60°	217.8	4.4
60°-70°	171.8	3.5
70°-80°	104.0	2.1
80°-90°	37.0	0.8
90°-100°	127.6	2.6
100°-110°	493.4	10.0
110°-120°	678.1	13.8
120°-130°	686.0	14.0
130°-140°	608.0	12.4
140°-150°	480.9	9.8
150°-160°	335.8	6.8
160°-170°	190.0	3.9
170°-180°	59.6	1.2
0°-30°	300.3	6.1
0°-40°	499.5	10.2
0°-60°	940.1	19.1
0°-90°	1252.9	25.5
90°-120°	1299.1	26.4
90°-150°	3074.0	62.6
90°-180°	3659.0	74.5
0°-180°	4912.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	375	375	375	375	375	
5°	380	375	378	375	373	36
15°	368	366	368	368	368	104
25°	348	343	351	351	351	160
35°	313	313	318	321	321	196
45°	268	271	276	311	323	207
55°	214	216	254	268	268	191
65°	152	159	182	184	184	150
75°	84	99	99	102	102	89
85°	25	40	35	32	30	26
90°	5	15	12	2	2	5
95°	20	99	119	25	25	25
105°	109	353	534	617	666	116
115°	226	477	751	930	987	226
125°	341	552	823	1002	1052	305
135°	440	607	823	984	1027	339
145°	515	622	798	915	945	322
155°	567	607	751	833	848	261
165°	612	609	666	724	733	172
175°	626	619	617	617	612	60
180°	622	622	622	622	622	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	375.4	375.4	375.4	375.4	375.4
2.5°	380.4	375.4	377.9	375.4	370.4
5°	380.4	375.4	377.9	375.4	372.9
7.5°	377.9	375.4	375.4	372.9	372.9
10°	377.9	372.9	375.4	372.9	370.4
12.5°	372.9	370.4	372.9	370.4	370.4
15°	368.0	365.5	368.0	368.0	368.0
17.5°	365.5	360.5	365.5	365.5	363.0
20°	358.0	355.5	360.5	360.5	360.5
22.5°	353.0	350.6	355.5	355.5	355.5
25°	348.1	343.1	350.6	350.6	350.6
27.5°	338.1	338.1	343.1	345.6	343.1
30°	330.7	328.2	335.6	338.1	335.6
32.5°	323.2	320.7	328.2	330.7	328.2
35°	313.3	313.3	318.2	320.7	320.7
37.5°	303.3	303.3	308.3	310.8	320.7
40°	293.4	293.4	298.3	313.3	323.2
42.5°	280.9	280.9	288.4	310.8	323.2
45°	268.5	271.0	276.0	310.8	323.2
47.5°	256.1	258.6	271.0	308.3	318.2
50°	241.2	246.1	266.0	300.8	308.3
52.5°	228.7	231.2	258.6	288.4	288.4
55°	213.8	216.3	253.6	268.5	268.5
57.5°	198.9	201.4	241.2	246.1	246.1
60°	184.0	186.5	226.2	226.2	226.2
62.5°	166.6	171.5	203.9	206.4	206.4
65°	151.7	159.1	181.5	184.0	184.0
67.5°	134.3	146.7	161.6	164.1	164.1
70°	119.3	134.3	139.2	141.7	141.7
72.5°	101.9	116.9	119.3	121.8	121.8
75°	84.5	99.4	99.4	101.9	101.9
77.5°	67.1	79.6	82.0	82.0	82.0
80°	52.2	59.7	64.6	62.2	62.2
82.5°	37.3	47.2	47.2	47.2	44.8
85°	24.9	39.8	34.8	32.3	29.8
87.5°	14.9	34.8	19.9	17.4	17.4
90°	5.0	14.9	12.4	2.5	2.5
92.5°	9.9	24.9	12.4	9.9	7.5
95°	19.9	99.4	119.3	24.9	24.9
97.5°	37.3	166.6	256.1	303.3	325.7
100°	57.2	248.6	343.1	420.2	447.5
102.5°	82.0	300.8	422.6	519.6	559.4
105°	109.4	353.0	534.5	616.6	666.3
107.5°	136.7	392.8	621.5	713.5	748.3
110°	169.1	425.1	676.2	835.4	845.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	198.9	450.0	706.1	895.0	949.7
115°	226.2	477.3	750.8	929.8	987.0
117.5°	258.6	497.2	778.2	949.7	1011.9
120°	288.4	514.6	798.1	974.6	1019.3
122.5°	315.7	534.5	813.0	994.5	1044.2
125°	340.6	551.9	822.9	1001.9	1051.7
127.5°	365.5	566.8	825.4	1004.4	1056.6
130°	392.8	581.8	830.4	1001.9	1054.1
132.5°	420.2	596.7	827.9	994.5	1041.7
135°	440.1	606.6	822.9	984.5	1026.8
137.5°	459.9	614.1	818.0	969.6	1009.4
140°	477.3	619.1	810.5	952.2	989.5
142.5°	497.2	621.5	805.5	934.8	967.1
145°	514.6	621.5	798.1	914.9	944.7
147.5°	532.0	619.1	788.1	895.0	919.9
150°	544.5	614.1	778.2	875.1	895.0
152.5°	554.4	609.1	765.7	852.8	872.6
155°	566.8	606.6	750.8	832.9	847.8
157.5°	576.8	606.6	733.4	810.5	825.4
160°	586.7	606.6	713.5	788.1	800.5
162.5°	599.2	606.6	686.2	755.8	768.2
165°	611.6	609.1	666.3	723.5	733.4
167.5°	619.1	609.1	646.4	683.7	693.6
170°	624.0	614.1	629.0	656.3	658.8
172.5°	626.5	619.1	616.6	629.0	629.0
175°	626.5	619.1	616.6	616.6	611.6
177.5°	626.5	621.5	621.5	619.1	611.6
180°	621.5	621.5	621.5	621.5	621.5

(END OF REPORT)