

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: P253552

Luminaire Tested: **J3-FL-60L93050-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253552
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-FL-60L93050-1D-UNV-W2A-W-4 (4500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (336) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5403.2 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

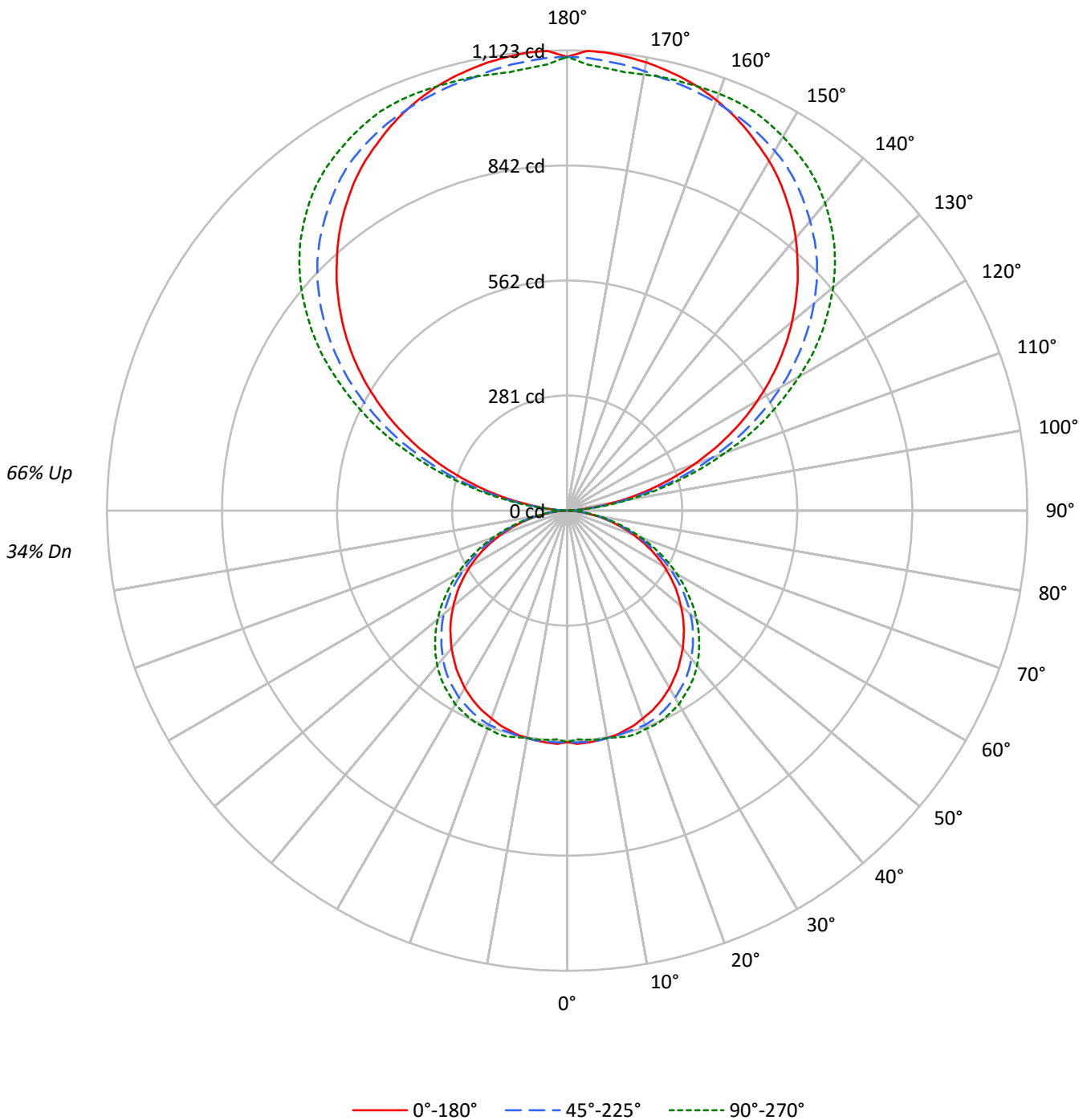
Input Watts (W): 46
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	94	90	86	82	85	81	78	75	65	62	60	50	48	47	36	35	34	28
2	85	78	72	67	77	71	65	61	56	53	50	43	41	39	31	30	29	23
3	78	68	61	55	70	62	56	51	50	45	41	38	35	33	28	26	24	19
4	71	60	52	47	64	55	48	43	44	39	35	34	30	28	25	22	21	16
5	65	53	45	40	58	48	42	36	39	34	30	30	27	24	22	20	18	14
6	60	48	40	34	53	43	36	31	35	30	26	27	23	21	20	17	15	12
7	55	43	35	30	49	39	32	27	32	26	23	25	21	18	18	16	14	11
8	51	39	31	26	46	35	29	24	29	24	20	22	19	16	16	14	12	10
9	47	35	28	23	43	32	26	21	26	21	18	20	17	14	15	13	11	9
10	44	32	25	20	40	29	23	19	24	19	16	19	15	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4561	4561	4561
5°	4608	4589	4549
10°	4621	4621	4621
15°	4630	4671	4774
20°	4635	4782	4865
25°	4656	4850	4990
30°	4657	4916	5088
35°	4648	4958	5151
40°	4626	4970	5200
45°	4596	4956	5205
50°	4553	4935	5178
55°	4504	4866	5102
60°	4422	4739	4992
65°	4285	4560	4819
70°	4036	4296	4520
75°	3706	3933	4124
80°	3217	3440	3561
85°	2575	2677	2816



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.9	1.0
10°-20°	158.5	2.9
20°-30°	249.7	4.6
30°-40°	312.0	5.8
40°-50°	332.5	6.2
50°-60°	306.6	5.7
60°-70°	235.5	4.4
70°-80°	133.4	2.5
80°-90°	35.2	0.7
90°-100°	56.6	1.0
100°-110°	266.6	4.9
110°-120°	483.2	8.9
120°-130°	620.6	11.5
130°-140°	660.2	12.2
140°-150°	607.5	11.2
150°-160°	481.1	8.9
160°-170°	305.4	5.7
170°-180°	104.8	1.9
0°-30°	462.1	8.6
0°-40°	774.0	14.3
0°-60°	1413.2	26.2
0°-90°	1817.3	33.6
90°-120°	806.4	14.9
90°-150°	2694.7	49.9
90°-180°	3586.0	66.4
0°-180°	5403.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	565	565	565	565	565	
5°	569	564	566	565	561	54
15°	554	552	559	569	571	157
25°	523	524	544	556	560	241
35°	472	480	503	515	523	295
45°	403	413	434	447	456	310
55°	320	330	346	357	362	286
65°	224	229	239	247	252	221
75°	119	121	126	131	132	126
85°	28	29	29	30	30	31
90°	1	1	1	0	0	4
95°	38	39	42	45	47	49
105°	223	233	255	270	278	236
115°	436	455	493	524	538	430
125°	630	650	700	738	759	563
135°	796	808	862	900	922	613
145°	931	928	975	1005	1023	583
155°	1029	1015	1042	1063	1076	475
165°	1093	1076	1076	1079	1083	309
175°	1122	1108	1101	1093	1084	107
180°	1107	1107	1107	1107	1107	



TEST NUMBER: P253552

CATALOG NUMBER: J3-FL-60L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	565.0	565.0	565.0	565.0	565.0
2.5°	569.9	565.0	566.3	566.3	558.9
5°	568.6	563.7	566.3	565.0	561.3
7.5°	566.3	562.6	566.3	566.3	563.7
10°	563.7	560.2	563.7	565.0	563.7
12.5°	560.2	556.6	562.6	565.0	566.3
15°	554.0	551.6	558.9	568.6	571.2
17.5°	548.1	546.8	557.8	568.6	569.9
20°	539.5	539.5	556.6	565.0	566.3
22.5°	532.4	532.4	551.6	560.2	565.0
25°	522.7	523.8	544.5	555.5	560.2
27.5°	511.7	515.4	535.9	548.1	552.9
30°	499.6	505.7	527.4	539.5	545.8
32.5°	485.2	493.4	515.4	527.4	533.5
35°	471.6	480.2	503.1	515.4	522.7
37.5°	454.8	465.6	488.6	500.7	509.3
40°	439.0	450.0	471.6	485.2	493.4
42.5°	420.7	432.8	453.5	466.8	475.3
45°	402.6	413.4	434.1	447.4	455.9
47.5°	383.2	394.2	414.9	427.0	435.2
50°	362.5	374.6	392.9	405.0	412.3
52.5°	341.8	352.8	369.8	382.1	389.2
55°	320.0	329.7	345.7	356.7	362.5
57.5°	296.9	306.6	320.0	331.0	337.0
60°	273.9	281.2	293.5	304.3	309.2
62.5°	249.7	256.0	266.7	275.4	281.2
65°	224.3	229.2	238.7	247.3	252.3
67.5°	197.7	202.5	210.9	218.2	221.9
70°	171.0	175.7	182.0	187.8	191.5
72.5°	145.3	147.9	154.0	158.9	161.3
75°	118.8	121.2	126.1	130.9	132.2
77.5°	94.7	95.7	99.6	102.0	103.1
80°	69.2	71.6	74.0	75.0	76.6
82.5°	47.2	48.5	49.6	50.9	52.0
85°	27.8	28.9	28.9	30.4	30.4
87.5°	12.1	13.4	13.4	13.4	13.4
90°	1.3	1.3	1.3	0.0	0.0
92.5°	12.1	12.1	13.4	14.4	15.7
95°	37.5	38.8	42.5	44.9	47.2
97.5°	75.0	77.6	84.7	91.0	93.4
100°	121.2	126.1	137.1	145.3	149.2
102.5°	171.0	178.1	194.1	206.1	212.2
105°	223.2	232.9	254.7	270.4	277.7
107.5°	276.4	288.7	316.6	334.7	344.4
110°	329.7	345.7	375.9	400.0	407.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	383.2	400.0	436.4	463.2	476.6
115°	436.4	454.8	493.4	523.8	538.4
117.5°	487.5	506.7	549.2	583.3	596.4
120°	535.9	556.6	602.7	637.8	653.6
122.5°	584.4	604.0	652.3	689.8	709.4
125°	630.5	649.9	699.7	738.3	759.0
127.5°	674.3	692.2	744.6	784.5	803.9
130°	716.6	733.6	786.9	825.9	847.7
132.5°	756.7	772.4	825.9	863.4	886.5
135°	795.5	807.6	862.1	899.6	921.6
137.5°	831.7	840.3	893.8	931.3	952.0
140°	868.1	870.7	922.7	957.8	979.6
142.5°	900.9	899.6	949.4	983.3	1004.0
145°	931.3	927.7	974.9	1005.1	1023.4
147.5°	960.2	952.0	996.7	1022.3	1039.1
150°	985.7	974.9	1013.7	1039.1	1053.6
152.5°	1007.4	995.4	1028.1	1051.2	1065.7
155°	1029.4	1015.0	1041.5	1063.3	1075.6
157.5°	1048.8	1030.5	1051.2	1070.6	1080.5
160°	1065.7	1047.8	1060.9	1075.6	1082.9
162.5°	1080.5	1062.2	1068.3	1076.7	1082.9
165°	1092.6	1075.6	1075.6	1079.0	1082.9
167.5°	1102.1	1087.7	1080.5	1081.6	1082.9
170°	1110.7	1096.1	1088.7	1081.6	1080.5
172.5°	1116.8	1102.1	1096.1	1086.4	1079.0
175°	1121.5	1108.4	1100.8	1092.6	1084.0
177.5°	1122.8	1111.8	1105.8	1097.4	1090.0
180°	1107.1	1107.1	1107.1	1107.1	1107.1

(END OF REPORT)