

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: P253558

Luminaire Tested: **J3-FL-60L93050-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253558
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 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5402.2 lumens
Efficiency: N/A
Efficacy: 117.4 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

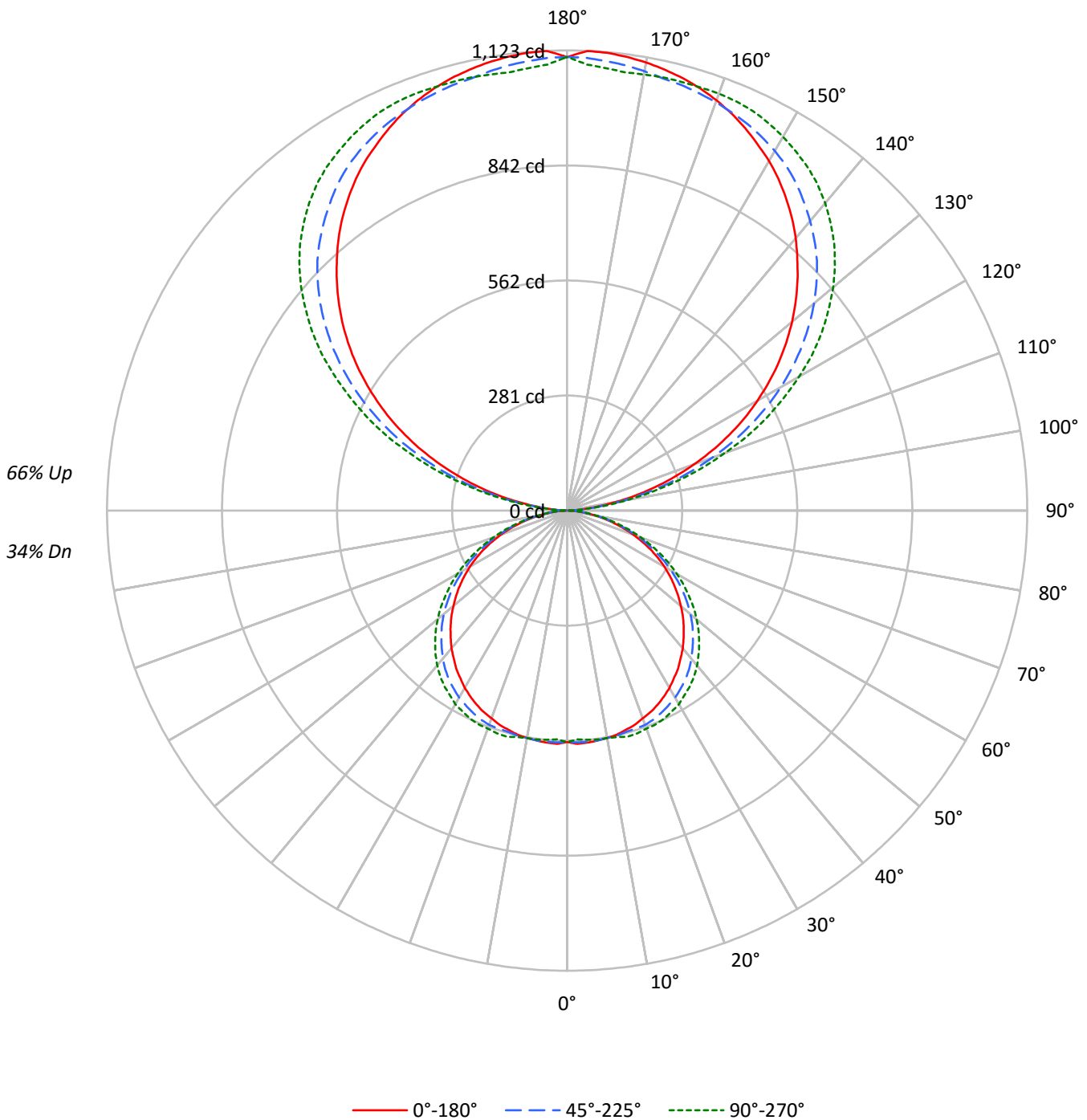
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	4560	4560	4560
5°	4607	4588	4548
10°	4620	4620	4620
15°	4629	4670	4773
20°	4634	4781	4864
25°	4655	4849	4989
30°	4656	4915	5087
35°	4647	4957	5150
40°	4626	4969	5199
45°	4595	4955	5204
50°	4551	4933	5177
55°	4503	4864	5101
60°	4421	4737	4992
65°	4283	4560	4818
70°	4036	4296	4518
75°	3706	3933	4124
80°	3217	3436	3557
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°	249.6	4.6
30°-40°	311.9	5.8
40°-50°	332.5	6.2
50°-60°	306.6	5.7
60°-70°	235.4	4.4
70°-80°	133.4	2.5
80°-90°	35.2	0.7
90°-100°	56.6	1.0
100°-110°	266.5	4.9
110°-120°	483.1	8.9
120°-130°	620.5	11.5
130°-140°	660.1	12.2
140°-150°	607.4	11.2
150°-160°	481.0	8.9
160°-170°	305.3	5.7
170°-180°	104.7	1.9
0°-30°	462.0	8.6
0°-40°	773.9	14.3
0°-60°	1412.9	26.2
0°-90°	1816.9	33.6
90°-120°	806.2	14.9
90°-150°	2694.3	49.9
90°-180°	3585.0	66.4
0°-180°	5402.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	565	565	565	565	565	
5°	568	564	566	565	561	54
15°	554	552	559	568	571	157
25°	523	524	544	555	560	241
35°	472	480	503	515	523	295
45°	402	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°	795	807	862	900	922	613
145°	931	928	975	1005	1023	583
155°	1029	1015	1041	1063	1075	475
165°	1092	1075	1075	1079	1083	309
175°	1121	1108	1101	1092	1084	107
180°	1107	1107	1107	1107	1107	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	564.9	564.9	564.9	564.9	564.9
2.5°	569.8	564.9	566.2	566.2	558.8
5°	568.5	563.6	566.2	564.9	561.2
7.5°	566.2	562.5	566.2	566.2	563.6
10°	563.6	560.1	563.6	564.9	563.6
12.5°	560.1	556.5	562.5	564.9	566.2
15°	553.9	551.5	558.8	568.5	571.1
17.5°	548.0	546.7	557.7	568.5	569.8
20°	539.4	539.4	556.5	564.9	566.2
22.5°	532.3	532.3	551.5	560.1	564.9
25°	522.6	523.7	544.4	555.4	560.1
27.5°	511.6	515.3	535.8	548.0	552.8
30°	499.5	505.6	527.3	539.4	545.7
32.5°	485.1	493.3	515.3	527.3	533.4
35°	471.5	480.1	503.0	515.3	522.6
37.5°	454.7	465.5	488.5	500.6	509.2
40°	439.0	449.9	471.5	485.1	493.3
42.5°	420.6	432.7	453.4	466.8	475.2
45°	402.5	413.3	434.0	447.4	455.8
47.5°	383.1	394.1	414.8	426.9	435.1
50°	362.4	374.5	392.8	404.9	412.2
52.5°	341.7	352.7	369.7	382.0	389.1
55°	319.9	329.6	345.6	356.6	362.4
57.5°	296.9	306.6	319.9	330.9	337.0
60°	273.8	281.1	293.4	304.2	309.2
62.5°	249.7	255.9	266.7	275.3	281.1
65°	224.2	229.2	238.7	247.3	252.2
67.5°	197.7	202.4	210.9	218.2	221.8
70°	171.0	175.7	182.0	187.8	191.4
72.5°	145.3	147.9	153.9	158.9	161.3
75°	118.8	121.2	126.1	130.9	132.2
77.5°	94.6	95.7	99.6	102.0	103.1
80°	69.2	71.6	73.9	75.0	76.5
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	44.8	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	194.0	206.1	212.1
105°	223.1	232.8	254.6	270.4	277.7
107.5°	276.4	288.7	316.5	334.6	344.3
110°	329.6	345.6	375.8	399.9	407.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	383.1	399.9	436.4	463.1	476.5
115°	436.4	454.7	493.3	523.7	538.3
117.5°	487.5	506.6	549.1	583.2	596.3
120°	535.8	556.5	602.6	637.7	653.5
122.5°	584.3	603.9	652.2	689.7	709.3
125°	630.4	649.8	699.6	738.2	758.9
127.5°	674.2	692.1	744.5	784.3	803.7
130°	716.4	733.5	786.7	825.7	847.5
132.5°	756.5	772.3	825.7	863.2	886.3
135°	795.3	807.4	862.0	899.5	921.5
137.5°	831.6	840.2	893.6	931.2	951.9
140°	868.0	870.6	922.5	957.7	979.4
142.5°	900.8	899.5	949.3	983.1	1003.8
145°	931.2	927.5	974.7	1004.9	1023.2
147.5°	960.0	951.9	996.5	1022.1	1039.0
150°	985.5	974.7	1013.5	1039.0	1053.4
152.5°	1007.3	995.2	1028.0	1051.0	1065.5
155°	1029.3	1014.8	1041.3	1063.1	1075.4
157.5°	1048.7	1030.3	1051.0	1070.4	1080.3
160°	1065.5	1047.6	1060.7	1075.4	1082.7
162.5°	1080.3	1062.0	1068.1	1076.5	1082.7
165°	1092.4	1075.4	1075.4	1078.8	1082.7
167.5°	1101.9	1087.5	1080.3	1081.4	1082.7
170°	1110.5	1095.9	1088.5	1081.4	1080.3
172.5°	1116.6	1101.9	1095.9	1086.2	1078.8
175°	1121.3	1108.2	1100.6	1092.4	1083.8
177.5°	1122.6	1111.6	1105.6	1097.2	1089.8
180°	1106.9	1106.9	1106.9	1106.9	1106.9

(END OF REPORT)