

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: P253546

Luminaire Tested: **J3-FL-60L93050-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253546
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 (4000K)
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 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5313.6 lumens
Efficiency: N/A
Efficacy: 117.6 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

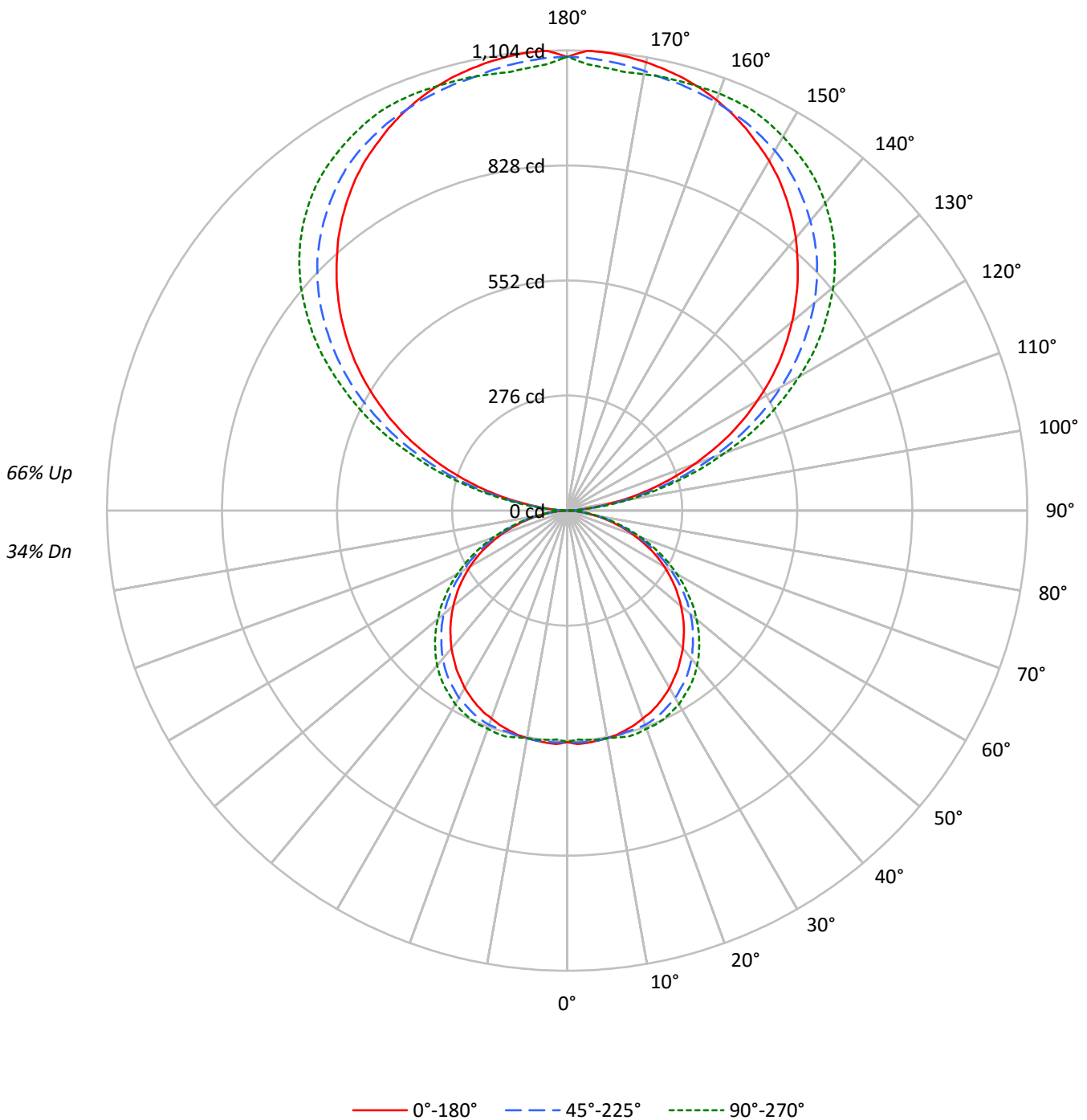
Input Watts (W): 45.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	4485	4485	4485
5°	4532	4513	4473
10°	4544	4544	4544
15°	4553	4594	4695
20°	4558	4702	4784
25°	4578	4770	4907
30°	4580	4835	5003
35°	4571	4875	5066
40°	4551	4888	5113
45°	4520	4874	5118
50°	4477	4853	5093
55°	4429	4784	5018
60°	4348	4660	4910
65°	4212	4485	4739
70°	3970	4225	4445
75°	3643	3871	4055
80°	3166	3380	3501
85°	2538	2631	2770



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.0	1.0
10°-20°	155.9	2.9
20°-30°	245.5	4.6
30°-40°	306.8	5.8
40°-50°	327.0	6.2
50°-60°	301.5	5.7
60°-70°	231.6	4.4
70°-80°	131.2	2.5
80°-90°	34.6	0.7
90°-100°	55.7	1.0
100°-110°	262.2	4.9
110°-120°	475.1	8.9
120°-130°	610.3	11.5
130°-140°	649.3	12.2
140°-150°	597.4	11.2
150°-160°	473.1	8.9
160°-170°	300.3	5.7
170°-180°	103.0	1.9
0°-30°	454.4	8.6
0°-40°	761.2	14.3
0°-60°	1389.8	26.2
0°-90°	1787.1	33.6
90°-120°	793.0	14.9
90°-150°	2650.1	49.9
90°-180°	3527.0	66.4
0°-180°	5313.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	556	556	556	556	556	
5°	559	554	557	556	552	53
15°	545	542	550	559	562	154
25°	514	515	536	546	551	237
35°	464	472	495	507	514	290
45°	396	406	427	440	448	305
55°	315	324	340	351	356	281
65°	220	225	235	243	248	218
75°	117	119	124	129	130	124
85°	27	28	28	30	30	31
90°	1	1	1	0	0	4
95°	37	38	42	44	46	48
105°	220	229	250	266	273	232
115°	429	447	485	515	530	423
125°	620	639	688	726	746	553
135°	782	794	848	885	906	603
145°	916	912	959	988	1006	573
155°	1012	998	1024	1046	1058	467
165°	1074	1058	1058	1061	1065	303
175°	1103	1090	1083	1074	1066	105
180°	1089	1089	1089	1089	1089	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	555.6	555.6	555.6	555.6	555.6
2.5°	560.5	555.6	556.9	556.9	549.7
5°	559.2	554.3	556.9	555.6	552.0
7.5°	556.9	553.3	556.9	556.9	554.3
10°	554.3	550.9	554.3	555.6	554.3
12.5°	550.9	547.3	553.3	555.6	556.9
15°	544.8	542.5	549.7	559.2	561.8
17.5°	539.1	537.8	548.6	559.2	560.5
20°	530.6	530.6	547.3	555.6	556.9
22.5°	523.6	523.6	542.5	550.9	555.6
25°	514.0	515.1	535.5	546.3	550.9
27.5°	503.2	506.8	527.0	539.1	543.7
30°	491.3	497.3	518.7	530.6	536.7
32.5°	477.1	485.2	506.8	518.7	524.6
35°	463.8	472.3	494.7	506.8	514.0
37.5°	447.2	457.8	480.5	492.4	500.9
40°	431.8	442.6	463.8	477.1	485.2
42.5°	413.7	425.6	446.0	459.1	467.4
45°	395.9	406.5	426.9	440.0	448.3
47.5°	376.8	387.6	408.0	419.9	427.9
50°	356.5	368.4	386.4	398.3	405.5
52.5°	336.1	346.9	363.7	375.8	382.8
55°	314.7	324.2	339.9	350.7	356.5
57.5°	292.0	301.6	314.7	325.5	331.5
60°	269.3	276.5	288.6	299.2	304.1
62.5°	245.6	251.7	262.3	270.8	276.5
65°	220.5	225.4	234.8	243.2	248.1
67.5°	194.5	199.1	207.4	214.6	218.2
70°	168.2	172.8	179.0	184.7	188.3
72.5°	142.9	145.5	151.4	156.3	158.6
75°	116.8	119.2	124.1	128.7	130.0
77.5°	93.1	94.2	98.0	100.3	101.4
80°	68.1	70.4	72.7	73.8	75.3
82.5°	46.4	47.7	48.8	50.0	51.1
85°	27.4	28.4	28.4	29.9	29.9
87.5°	11.9	13.1	13.1	13.1	13.1
90°	1.3	1.3	1.3	0.0	0.0
92.5°	11.9	11.9	13.1	14.2	15.5
95°	36.9	38.2	41.8	44.1	46.4
97.5°	73.8	76.3	83.3	89.5	91.8
100°	119.2	124.1	134.9	142.9	146.7
102.5°	168.2	175.2	190.9	202.7	208.7
105°	219.5	229.0	250.4	265.9	273.1
107.5°	271.9	284.0	311.3	329.1	338.7
110°	324.2	339.9	369.6	393.4	400.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	376.8	393.4	429.2	455.5	468.7
115°	429.2	447.2	485.2	515.1	529.5
117.5°	479.5	498.3	540.1	573.6	586.6
120°	527.0	547.3	592.7	627.3	642.8
122.5°	574.7	594.0	641.5	678.4	697.7
125°	620.1	639.2	688.1	726.1	746.5
127.5°	663.1	680.7	732.2	771.5	790.6
130°	704.7	721.4	773.8	812.2	833.6
132.5°	744.1	759.6	812.2	849.1	871.8
135°	782.3	794.2	847.8	884.7	906.4
137.5°	817.9	826.4	879.0	915.9	936.3
140°	853.8	856.3	907.4	942.0	963.4
142.5°	886.0	884.7	933.7	967.0	987.4
145°	915.9	912.3	958.7	988.4	1006.4
147.5°	944.3	936.3	980.1	1005.4	1021.9
150°	969.3	958.7	996.9	1021.9	1036.1
152.5°	990.8	978.9	1011.1	1033.8	1048.0
155°	1012.4	998.2	1024.3	1045.7	1057.8
157.5°	1031.5	1013.4	1033.8	1052.9	1062.6
160°	1048.0	1030.4	1043.3	1057.8	1065.0
162.5°	1062.6	1044.6	1050.6	1058.8	1065.0
165°	1074.5	1057.8	1057.8	1061.2	1065.0
167.5°	1083.8	1069.6	1062.6	1063.7	1065.0
170°	1092.3	1077.9	1070.7	1063.7	1062.6
172.5°	1098.3	1083.8	1077.9	1068.4	1061.2
175°	1102.9	1090.0	1082.6	1074.5	1066.0
177.5°	1104.2	1093.4	1087.5	1079.2	1072.0
180°	1088.7	1088.7	1088.7	1088.7	1088.7

(END OF REPORT)