

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: P253547

Luminaire Tested: **J3-FL-80L93050-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253547
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-80L93050-1D-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: 7028.3 lumens
Efficiency: N/A
Efficacy: 110.0 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

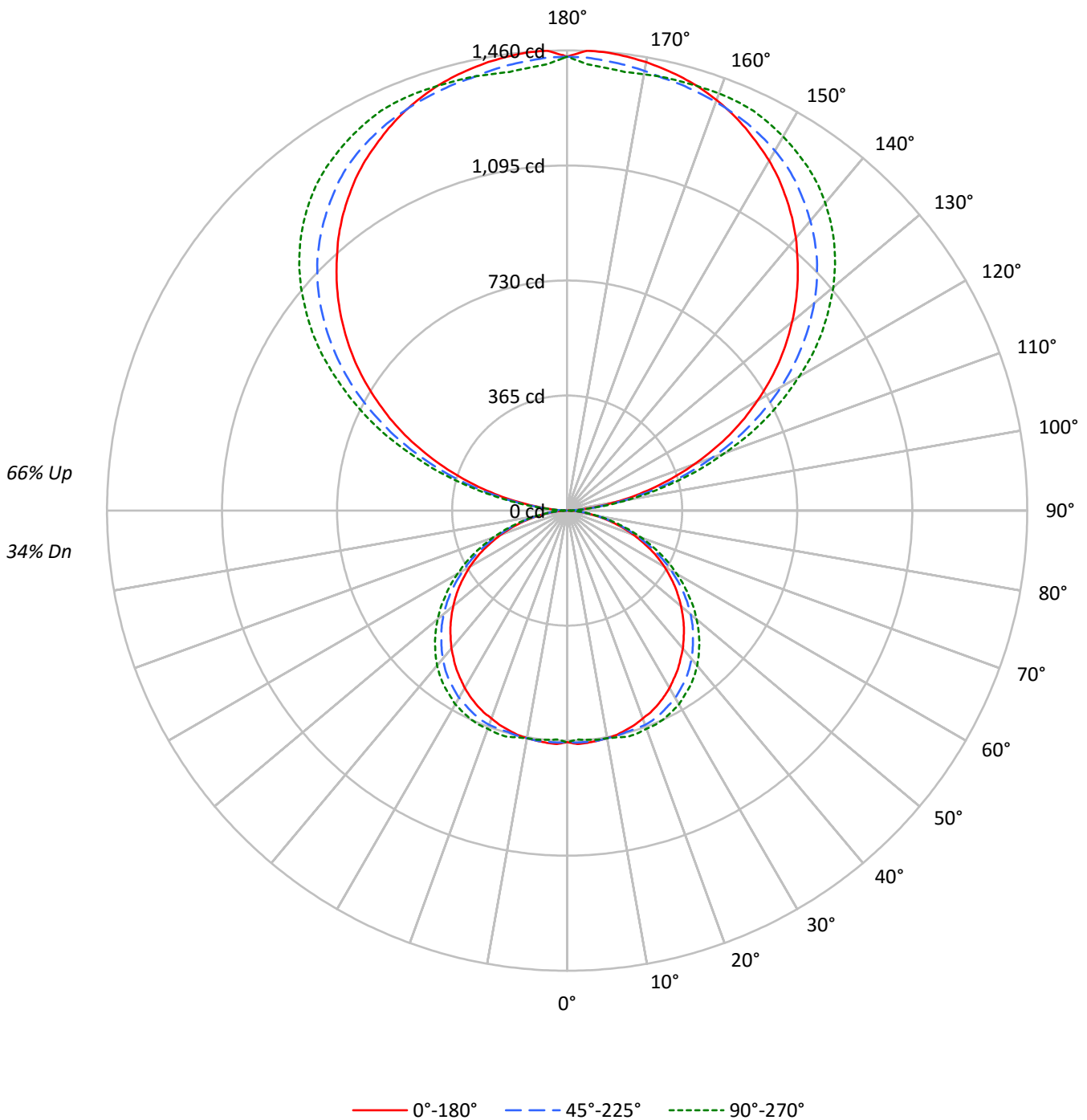
Input Watts (W): 63.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5933	5933	5933
5°	5994	5969	5917
10°	6010	6010	6010
15°	6023	6076	6210
20°	6029	6219	6328
25°	6056	6308	6491
30°	6058	6396	6618
35°	6045	6449	6701
40°	6019	6464	6764
45°	5979	6446	6770
50°	5922	6419	6736
55°	5858	6328	6636
60°	5751	6163	6494
65°	5572	5931	6269
70°	5249	5587	5880
75°	4822	5119	5362
80°	4184	4472	4630
85°	3353	3483	3659



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	1.0
10°-20°	206.2	2.9
20°-30°	324.8	4.6
30°-40°	405.8	5.8
40°-50°	432.5	6.2
50°-60°	398.8	5.7
60°-70°	306.3	4.4
70°-80°	173.5	2.5
80°-90°	45.7	0.7
90°-100°	73.7	1.0
100°-110°	346.7	4.9
110°-120°	628.5	8.9
120°-130°	807.3	11.5
130°-140°	858.8	12.2
140°-150°	790.2	11.2
150°-160°	625.7	8.9
160°-170°	397.3	5.7
170°-180°	136.3	1.9
0°-30°	601.1	8.6
0°-40°	1006.8	14.3
0°-60°	1838.2	26.2
0°-90°	2363.8	33.6
90°-120°	1048.9	14.9
90°-150°	3505.2	49.9
90°-180°	4664.0	66.4
0°-180°	7028.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	735	735	735	735	735	
5°	740	733	737	735	730	70
15°	721	718	727	740	743	204
25°	680	681	708	722	729	313
35°	613	625	654	670	680	383
45°	524	538	565	582	593	404
55°	416	429	450	464	472	372
65°	292	298	310	322	328	288
75°	155	158	164	170	172	164
85°	36	38	38	40	40	41
90°	2	2	2	0	0	5
95°	49	50	55	58	61	63
105°	290	303	331	352	361	307
115°	568	592	642	681	700	560
125°	820	845	910	960	987	732
135°	1035	1050	1121	1170	1199	798
145°	1211	1207	1268	1307	1331	758
155°	1339	1320	1355	1383	1399	617
165°	1421	1399	1399	1404	1409	401
175°	1459	1442	1432	1421	1410	139
180°	1440	1440	1440	1440	1440	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	734.9	734.9	734.9	734.9	734.9
2.5°	741.3	734.9	736.6	736.6	727.0
5°	739.7	733.2	736.6	734.9	730.1
7.5°	736.6	731.8	736.6	736.6	733.2
10°	733.2	728.7	733.2	734.9	733.2
12.5°	728.7	723.9	731.8	734.9	736.6
15°	720.6	717.5	727.0	739.7	743.0
17.5°	713.0	711.3	725.6	739.7	741.3
20°	701.8	701.8	723.9	734.9	736.6
22.5°	692.5	692.5	717.5	728.7	734.9
25°	679.9	681.3	708.2	722.5	728.7
27.5°	665.6	670.4	697.0	713.0	719.2
30°	649.9	657.8	686.1	701.8	709.9
32.5°	631.1	641.8	670.4	686.1	693.9
35°	613.4	624.7	654.4	670.4	679.9
37.5°	591.6	605.6	635.6	651.3	662.5
40°	571.1	585.4	613.4	631.1	641.8
42.5°	547.2	562.9	589.9	607.3	618.2
45°	523.7	537.7	564.6	582.0	593.0
47.5°	498.4	512.7	539.7	555.4	566.0
50°	471.5	487.2	511.1	526.8	536.3
52.5°	444.6	458.9	481.0	497.0	506.3
55°	416.2	428.9	449.6	463.9	471.5
57.5°	386.2	398.9	416.2	430.6	438.4
60°	356.2	365.8	381.7	395.8	402.2
62.5°	324.8	332.9	347.0	358.2	365.8
65°	291.7	298.2	310.5	321.7	328.2
67.5°	257.2	263.4	274.3	283.9	288.6
70°	222.4	228.6	236.7	244.3	249.1
72.5°	189.1	192.4	200.3	206.7	209.8
75°	154.6	157.6	164.1	170.3	171.9
77.5°	123.1	124.5	129.6	132.7	134.1
80°	90.0	93.1	96.2	97.6	99.6
82.5°	61.4	63.1	64.5	66.2	67.6
85°	36.2	37.6	37.6	39.5	39.5
87.5°	15.7	17.4	17.4	17.4	17.4
90°	1.7	1.7	1.7	0.0	0.0
92.5°	15.7	15.7	17.4	18.8	20.5
95°	48.8	50.5	55.3	58.3	61.4
97.5°	97.6	101.0	110.2	118.4	121.5
100°	157.6	164.1	178.4	189.1	194.1
102.5°	222.4	231.7	252.4	268.1	276.0
105°	290.3	302.9	331.3	351.7	361.3
107.5°	359.6	375.6	411.8	435.3	447.9
110°	428.9	449.6	488.9	520.3	529.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	498.4	520.3	567.7	602.5	619.9
115°	567.7	591.6	641.8	681.3	700.4
117.5°	634.2	659.2	714.4	758.7	775.8
120°	697.0	723.9	784.0	829.7	850.2
122.5°	760.1	785.7	848.5	897.3	922.8
125°	820.2	845.4	910.2	960.4	987.3
127.5°	877.1	900.4	968.5	1020.4	1045.7
130°	932.1	954.2	1023.5	1074.3	1102.6
132.5°	984.2	1004.7	1074.3	1123.1	1153.1
135°	1034.7	1050.4	1121.4	1170.2	1198.8
137.5°	1081.9	1093.1	1162.6	1211.4	1238.4
140°	1129.3	1132.6	1200.2	1245.9	1274.3
142.5°	1171.9	1170.2	1235.0	1279.0	1306.0
145°	1211.4	1206.7	1268.1	1307.4	1331.2
147.5°	1249.0	1238.4	1296.4	1329.8	1351.7
150°	1282.1	1268.1	1318.6	1351.7	1370.5
152.5°	1310.5	1294.7	1337.4	1367.4	1386.2
155°	1339.1	1320.3	1354.8	1383.1	1399.1
157.5°	1364.3	1340.5	1367.4	1392.6	1405.5
160°	1386.2	1362.9	1380.0	1399.1	1408.6
162.5°	1405.5	1381.7	1389.6	1400.5	1408.6
165°	1421.2	1399.1	1399.1	1403.6	1408.6
167.5°	1433.6	1414.8	1405.5	1406.9	1408.6
170°	1444.8	1425.7	1416.2	1406.9	1405.5
172.5°	1452.7	1433.6	1425.7	1413.1	1403.6
175°	1458.8	1441.7	1431.9	1421.2	1410.0
177.5°	1460.5	1446.2	1438.4	1427.4	1417.9
180°	1440.0	1440.0	1440.0	1440.0	1440.0

(END OF REPORT)