

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: P275258

Luminaire Tested: **J3-UL-80L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275258
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-80L92765-1D-UNV-W2A-W-4 (4000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7049.6 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.43
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

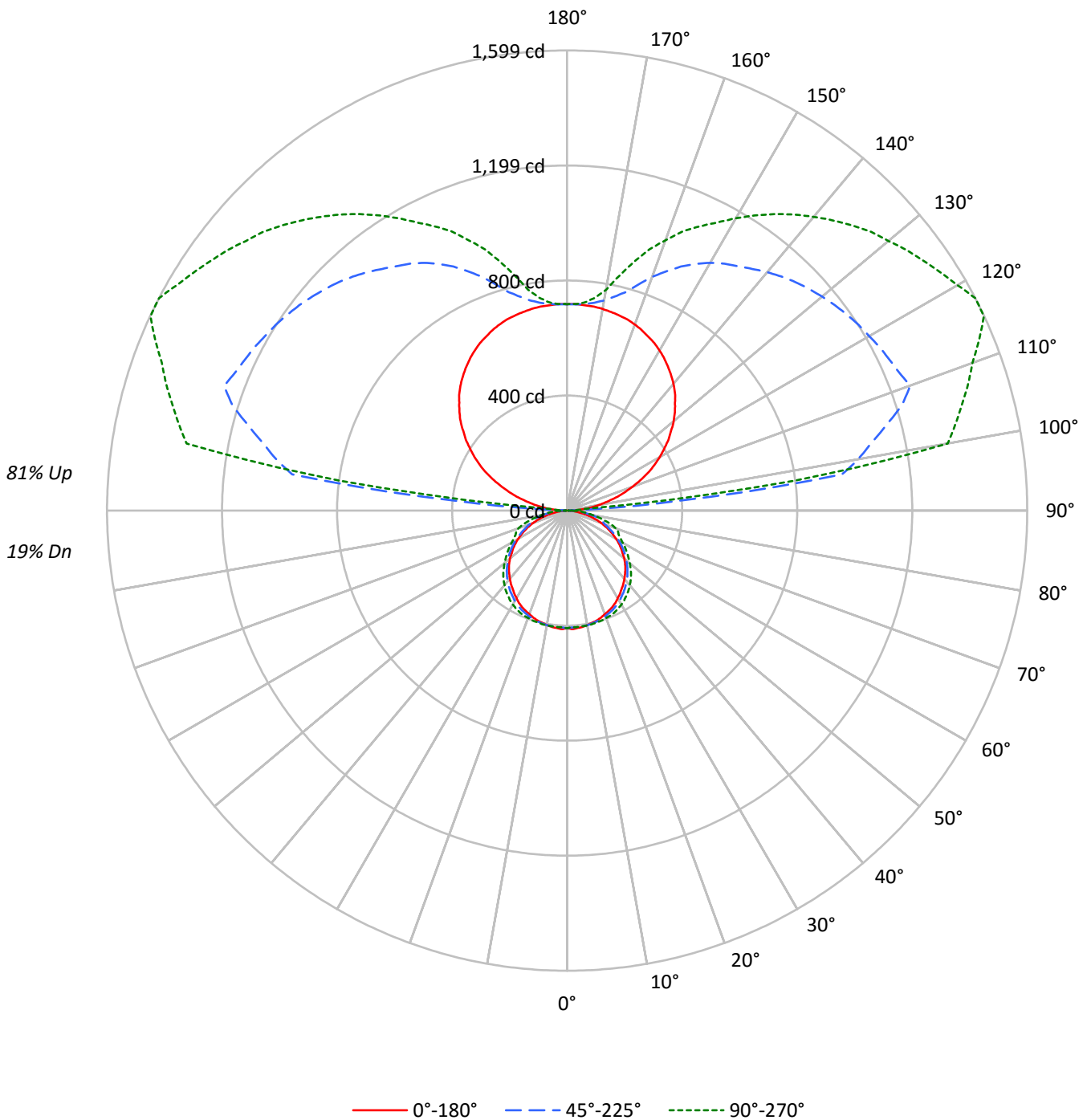
Input Watts (W): 63
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19				
1	91	86	83	79	80	76	73	70	57	55	53	40	39	38	24	23	23	15				
2	82	75	69	64	72	66	61	57	50	47	44	35	33	31	21	20	19	13				
3	75	66	59	53	66	58	52	47	44	40	37	31	28	26	18	17	16	10				
4	68	58	50	45	60	51	45	40	39	34	31	27	24	22	16	15	13	9				
5	62	51	44	38	55	45	39	34	34	30	26	24	21	19	14	13	12	8				
6	57	46	38	32	50	41	34	29	31	26	23	22	19	16	13	11	10	7				
7	53	41	33	28	46	36	30	25	28	23	20	20	16	14	12	10	9	6				
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5				
9	45	34	26	22	40	30	24	20	23	18	15	16	13	11	10	8	7	5				
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	7	6	4				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3300	3300	3300
5°	3322	3293	3293
10°	3313	3313	3322
15°	3309	3329	3358
20°	3291	3351	3412
25°	3298	3371	3475
30°	3277	3386	3516
35°	3257	3384	3545
40°	3262	3385	3569
45°	3266	3387	3587
50°	3257	3373	3564
55°	3222	3354	3567
60°	3168	3320	3583
65°	3100	3280	3771
70°	2950	3309	4246
75°	2732	3790	4261
80°	2334	3854	4235
85°	1843	4326	4872



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.8	0.6
10°-20°	112.9	1.6
20°-30°	174.9	2.5
30°-40°	215.8	3.1
40°-50°	230.0	3.3
50°-60°	214.4	3.0
60°-70°	175.1	2.5
70°-80°	120.7	1.7
80°-90°	47.7	0.7
90°-100°	415.4	5.9
100°-110°	1064.8	15.1
110°-120°	1102.5	15.6
120°-130°	981.6	13.9
130°-140°	817.3	11.6
140°-150°	622.3	8.8
150°-160°	418.7	5.9
160°-170°	227.0	3.2
170°-180°	69.6	1.0
0°-30°	326.6	4.6
0°-40°	542.4	7.7
0°-60°	986.8	14.0
0°-90°	1330.3	18.9
90°-120°	2582.7	36.6
90°-150°	5003.9	71.0
90°-180°	5719.0	81.1
0°-180°	7049.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	409	409	409	409	409	
5°	410	409	406	406	406	39
15°	396	397	398	403	402	112
25°	370	373	378	387	390	170
35°	330	335	343	354	360	207
45°	286	288	297	307	314	221
55°	229	232	238	246	253	204
65°	162	166	172	188	197	160
75°	88	93	122	136	137	92
85°	20	37	47	54	53	23
90°	2	4	5	4	4	6
95°	58	462	388	57	56	58
105°	175	735	1148	1356	1420	185
115°	310	762	1237	1540	1598	305
125°	430	779	1187	1441	1512	383
135°	530	800	1122	1336	1402	410
145°	611	782	1036	1206	1258	382
155°	667	745	936	1056	1090	308
165°	702	725	786	864	894	198
175°	716	719	721	725	726	68
180°	717	717	717	717	717	



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CATALOG NUMBER: J3-UL-80L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	408.8	408.8	408.8	408.8	408.8
2.5°	412.3	409.9	406.4	406.4	405.3
5°	409.9	408.8	406.4	406.4	406.4
7.5°	407.6	407.6	405.3	406.4	405.3
10°	404.1	405.3	404.1	406.4	405.3
12.5°	399.4	401.8	401.8	405.3	404.1
15°	395.9	397.1	398.3	402.9	401.8
17.5°	390.1	392.4	394.8	400.6	400.6
20°	383.1	386.6	390.1	397.1	397.1
22.5°	377.2	380.7	384.2	392.4	394.8
25°	370.2	372.6	378.4	386.6	390.1
27.5°	362.1	364.4	371.4	379.6	384.2
30°	351.5	356.2	363.2	372.6	377.2
32.5°	342.2	346.9	352.7	364.4	369.1
35°	330.5	335.2	343.4	353.9	359.7
37.5°	321.2	325.9	332.9	343.4	350.4
40°	309.5	313.0	321.2	331.7	338.7
42.5°	297.8	302.5	309.5	321.2	327.0
45°	286.1	288.5	296.7	307.2	314.2
47.5°	273.3	275.6	282.6	294.3	299.0
50°	259.3	262.8	268.6	279.1	283.8
52.5°	242.9	247.6	254.6	262.8	268.6
55°	228.9	232.4	238.3	246.4	253.4
57.5°	213.7	217.2	223.1	231.3	238.3
60°	196.2	199.7	205.6	216.1	221.9
62.5°	178.7	183.4	188.0	198.5	209.1
65°	162.3	165.8	171.7	188.0	197.4
67.5°	143.7	148.3	154.2	177.5	191.5
70°	125.0	129.6	140.2	171.7	179.9
72.5°	107.4	111.0	128.5	158.8	161.2
75°	87.6	93.4	121.5	135.5	136.6
77.5°	67.7	75.9	103.9	113.3	114.5
80°	50.2	63.1	82.9	89.9	91.1
82.5°	35.0	53.7	64.2	70.1	70.1
85°	19.9	37.4	46.7	53.7	52.6
87.5°	11.7	24.5	35.0	40.9	39.7
90°	2.3	3.5	4.7	3.5	3.5
92.5°	30.4	98.1	26.9	26.9	25.7
95°	58.4	462.5	387.8	57.2	56.1
97.5°	84.1	561.8	963.5	1150.4	800.0
100°	113.3	668.1	1026.6	1267.2	1343.1
102.5°	141.3	713.6	1082.7	1305.7	1381.7
105°	175.2	734.6	1148.1	1356.0	1420.2
107.5°	207.9	745.1	1220.5	1399.2	1461.1
110°	240.6	752.1	1268.4	1448.2	1498.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	274.5	756.8	1249.7	1506.6	1549.8
115°	309.5	761.5	1236.8	1540.5	1597.7
117.5°	341.0	765.0	1226.3	1507.8	1598.9
120°	371.4	769.7	1212.3	1484.4	1566.2
122.5°	399.4	775.5	1200.6	1463.4	1539.3
125°	429.8	779.0	1186.6	1441.2	1512.5
127.5°	455.5	783.7	1172.6	1414.4	1486.8
130°	483.5	791.9	1156.3	1391.0	1457.6
132.5°	508.0	797.7	1139.9	1365.3	1433.1
135°	530.2	800.0	1122.4	1336.1	1401.5
137.5°	554.8	798.9	1102.5	1306.9	1367.6
140°	574.6	794.2	1081.5	1275.4	1332.6
142.5°	593.3	790.7	1058.1	1242.7	1296.4
145°	610.8	782.5	1036.0	1206.5	1257.9
147.5°	627.2	774.3	1017.3	1169.1	1215.8
150°	642.4	762.7	993.9	1125.9	1172.6
152.5°	656.4	753.3	965.9	1088.5	1128.2
155°	666.9	745.1	935.5	1055.8	1089.7
157.5°	678.6	739.3	899.3	1013.8	1050.0
160°	687.9	733.5	864.3	965.9	999.7
162.5°	696.1	728.8	823.4	919.2	951.9
165°	701.9	725.3	786.0	864.3	893.5
167.5°	706.6	721.8	761.5	807.0	835.1
170°	711.3	720.6	741.6	768.5	779.0
172.5°	714.8	720.6	728.8	741.6	746.3
175°	715.9	719.4	720.6	725.3	726.5
177.5°	718.3	720.6	717.1	718.3	718.3
180°	717.1	717.1	717.1	717.1	717.1

(END OF REPORT)