

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: P275252

Luminaire Tested: **J3-UL-80L82765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275252
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-80L82765-1D-UNV-W2A-W-4 (5000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8223.2 lumens
Efficiency: N/A
Efficacy: 129.1 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

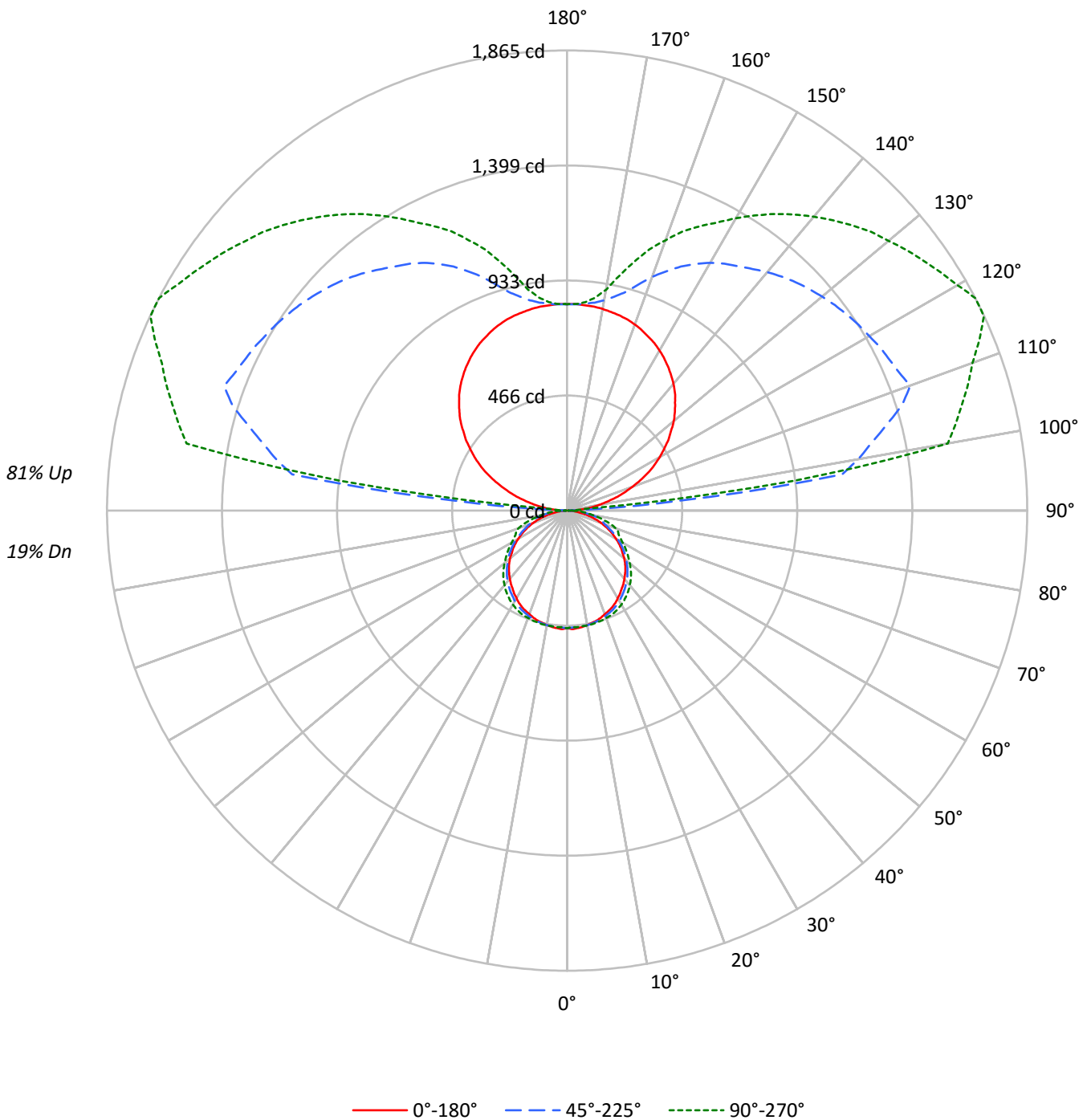
Input Watts (W): 63.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3849	3849	3849
5°	3875	3842	3842
10°	3864	3864	3875
15°	3860	3883	3917
20°	3839	3909	3979
25°	3847	3932	4053
30°	3823	3950	4102
35°	3799	3947	4135
40°	3804	3949	4164
45°	3811	3950	4184
50°	3798	3935	4158
55°	3758	3911	4160
60°	3696	3872	4179
65°	3618	3826	4397
70°	3441	3859	4952
75°	3188	4420	4972
80°	2724	4496	4942
85°	2149	5048	5678



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.3	0.6
10°-20°	131.7	1.6
20°-30°	204.1	2.5
30°-40°	251.7	3.1
40°-50°	268.3	3.3
50°-60°	250.1	3.0
60°-70°	204.3	2.5
70°-80°	140.8	1.7
80°-90°	55.7	0.7
90°-100°	484.6	5.9
100°-110°	1242.0	15.1
110°-120°	1286.0	15.6
120°-130°	1145.0	13.9
130°-140°	953.4	11.6
140°-150°	725.9	8.8
150°-160°	488.4	5.9
160°-170°	264.8	3.2
170°-180°	81.2	1.0
0°-30°	381.0	4.6
0°-40°	632.7	7.7
0°-60°	1151.0	14.0
0°-90°	1551.8	18.9
90°-120°	3012.7	36.6
90°-150°	5837.0	71.0
90°-180°	6671.0	81.1
0°-180°	8223.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	477	477	477	477	477	
5°	478	477	474	474	474	45
15°	462	463	465	470	469	130
25°	432	435	441	451	455	199
35°	386	391	400	413	420	242
45°	334	336	346	358	366	257
55°	267	271	278	288	296	238
65°	189	194	200	219	230	186
75°	102	109	142	158	159	108
85°	23	44	54	63	61	27
90°	3	4	5	4	4	7
95°	68	540	452	67	65	68
105°	204	857	1339	1582	1657	216
115°	361	888	1443	1797	1864	355
125°	501	909	1384	1681	1764	447
135°	618	933	1309	1558	1635	478
145°	712	913	1208	1407	1467	446
155°	778	869	1091	1232	1271	359
165°	819	846	917	1008	1042	231
175°	835	839	841	846	847	80
180°	836	836	836	836	836	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	476.8	476.8	476.8	476.8	476.8
2.5°	480.9	478.2	474.1	474.1	472.7
5°	478.2	476.8	474.1	474.1	474.1
7.5°	475.5	475.5	472.7	474.1	472.7
10°	471.4	472.7	471.4	474.1	472.7
12.5°	465.9	468.7	468.7	472.7	471.4
15°	461.8	463.2	464.6	470.0	468.7
17.5°	455.0	457.8	460.5	467.3	467.3
20°	446.9	450.9	455.0	463.2	463.2
22.5°	440.0	444.1	448.2	457.8	460.5
25°	431.9	434.6	441.4	450.9	455.0
27.5°	422.3	425.1	433.2	442.8	448.2
30°	410.1	415.5	423.7	434.6	440.0
32.5°	399.2	404.6	411.4	425.1	430.5
35°	385.5	391.0	400.5	412.8	419.6
37.5°	374.7	380.1	388.3	400.5	408.7
40°	361.0	365.1	374.7	386.9	395.1
42.5°	347.4	352.9	361.0	374.7	381.5
45°	333.8	336.5	346.0	358.3	366.5
47.5°	318.8	321.5	329.7	343.3	348.8
50°	302.4	306.5	313.3	325.6	331.1
52.5°	283.4	288.8	297.0	306.5	313.3
55°	267.0	271.1	277.9	287.5	295.6
57.5°	249.3	253.4	260.2	269.7	277.9
60°	228.9	233.0	239.8	252.0	258.8
62.5°	208.4	213.9	219.3	231.6	243.9
65°	189.4	193.5	200.3	219.3	230.2
67.5°	167.6	173.0	179.8	207.1	223.4
70°	145.8	151.2	163.5	200.3	209.8
72.5°	125.3	129.4	149.9	185.3	188.0
75°	102.2	109.0	141.7	158.0	159.4
77.5°	79.0	88.6	121.3	132.1	133.5
80°	58.6	73.6	96.7	104.9	106.3
82.5°	40.9	62.7	74.9	81.7	81.7
85°	23.2	43.6	54.5	62.7	61.3
87.5°	13.6	28.6	40.9	47.7	46.3
90°	2.7	4.1	5.4	4.1	4.1
92.5°	35.4	114.4	31.3	31.3	30.0
95°	68.1	539.5	452.3	66.8	65.4
97.5°	98.1	655.3	1124.0	1341.9	933.2
100°	132.1	779.3	1197.5	1478.2	1566.7
102.5°	164.8	832.4	1262.9	1523.1	1611.7
105°	204.4	856.9	1339.2	1581.7	1656.6
107.5°	242.5	869.2	1423.7	1632.1	1704.3
110°	280.6	877.4	1479.5	1689.3	1747.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	320.2	882.8	1457.7	1757.5	1807.9
115°	361.0	888.3	1442.7	1797.0	1863.7
117.5°	397.8	892.3	1430.5	1758.8	1865.1
120°	433.2	897.8	1414.1	1731.6	1826.9
122.5°	465.9	904.6	1400.5	1707.0	1795.6
125°	501.4	908.7	1384.2	1681.2	1764.3
127.5°	531.3	914.1	1367.8	1649.8	1734.3
130°	564.0	923.7	1348.7	1622.6	1700.2
132.5°	592.6	930.5	1329.7	1592.6	1671.6
135°	618.5	933.2	1309.2	1558.5	1634.8
137.5°	647.1	931.9	1286.1	1524.5	1595.3
140°	670.3	926.4	1261.6	1487.7	1554.5
142.5°	692.1	922.3	1234.3	1449.6	1512.2
145°	712.5	912.8	1208.4	1407.3	1467.3
147.5°	731.6	903.2	1186.6	1363.7	1418.2
150°	749.3	889.6	1159.4	1313.3	1367.8
152.5°	765.6	878.7	1126.7	1269.7	1316.0
155°	777.9	869.2	1091.3	1231.6	1271.1
157.5°	791.5	862.4	1049.0	1182.5	1224.8
160°	802.4	855.6	1008.2	1126.7	1166.2
162.5°	812.0	850.1	960.5	1072.2	1110.3
165°	818.8	846.0	916.9	1008.2	1042.2
167.5°	824.2	841.9	888.3	941.4	974.1
170°	829.7	840.6	865.1	896.4	908.7
172.5°	833.8	840.6	850.1	865.1	870.6
175°	835.1	839.2	840.6	846.0	847.4
177.5°	837.9	840.6	836.5	837.9	837.9
180°	836.5	836.5	836.5	836.5	836.5

(END OF REPORT)