

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: P275250

Luminaire Tested: **J3-UL-80L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275250
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 (4000K)
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 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7967.7 lumens
Efficiency: N/A
Efficacy: 126.5 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

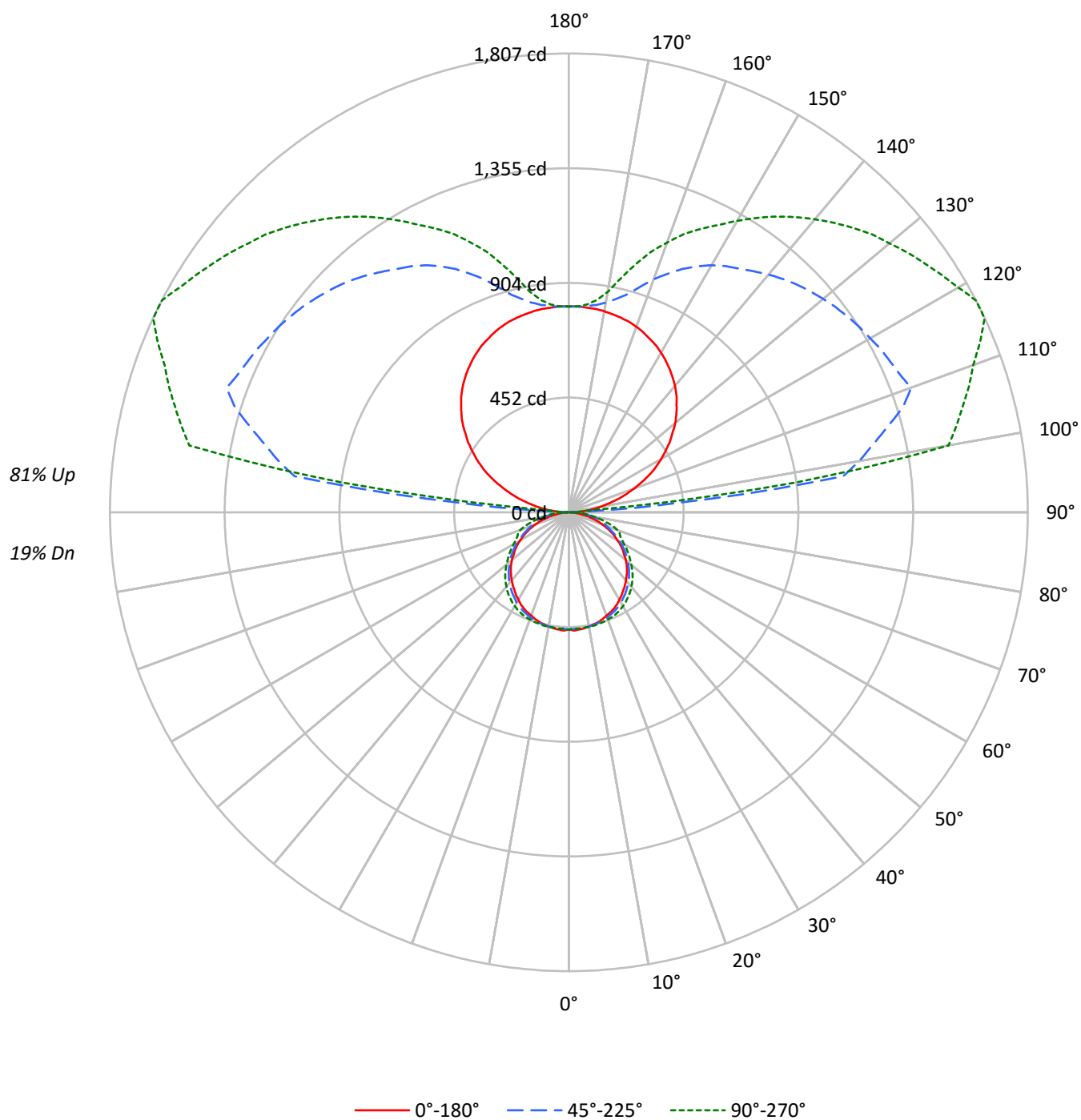
Input Watts (W): 63
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3730	3730	3730
5°	3754	3723	3723
10°	3744	3744	3755
15°	3740	3762	3795
20°	3720	3788	3856
25°	3728	3810	3927
30°	3704	3827	3975
35°	3682	3825	4007
40°	3686	3825	4034
45°	3692	3828	4054
50°	3680	3813	4029
55°	3641	3790	4031
60°	3581	3751	4049
65°	3505	3706	4262
70°	3333	3739	4799
75°	3088	4283	4816
80°	2641	4356	4788
85°	2075	4891	5502



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.9	0.6
10°-20°	127.6	1.6
20°-30°	197.7	2.5
30°-40°	243.9	3.1
40°-50°	259.9	3.3
50°-60°	242.3	3.0
60°-70°	197.9	2.5
70°-80°	136.4	1.7
80°-90°	54.0	0.7
90°-100°	469.5	5.9
100°-110°	1203.4	15.1
110°-120°	1246.1	15.6
120°-130°	1109.5	13.9
130°-140°	923.8	11.6
140°-150°	703.3	8.8
150°-160°	473.3	5.9
160°-170°	256.6	3.2
170°-180°	78.7	1.0
0°-30°	369.2	4.6
0°-40°	613.1	7.7
0°-60°	1115.3	14.0
0°-90°	1503.6	18.9
90°-120°	2919.1	36.6
90°-150°	5655.6	71.0
90°-180°	6464.0	81.1
0°-180°	7967.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	462	462	462	462	462	
5°	463	462	459	459	459	44
15°	448	449	450	455	454	126
25°	418	421	428	437	441	193
35°	374	379	388	400	407	235
45°	323	326	335	347	355	249
55°	259	263	269	278	286	231
65°	184	187	194	212	223	180
75°	99	106	137	153	154	104
85°	22	42	53	61	59	26
90°	3	4	5	4	4	7
95°	66	523	438	65	63	66
105°	198	830	1298	1533	1605	209
115°	350	861	1398	1741	1806	344
125°	486	880	1341	1629	1710	433
135°	599	904	1269	1510	1584	463
145°	690	884	1171	1364	1422	432
155°	754	842	1057	1193	1232	348
165°	793	820	888	977	1010	224
175°	809	813	814	820	821	77
180°	810	810	810	810	810	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	462.0	462.0	462.0	462.0	462.0
2.5°	466.0	463.3	459.4	459.4	458.1
5°	463.3	462.0	459.4	459.4	459.4
7.5°	460.7	460.7	458.1	459.4	458.1
10°	456.7	458.1	456.7	459.4	458.1
12.5°	451.5	454.1	454.1	458.1	456.7
15°	447.5	448.8	450.1	455.4	454.1
17.5°	440.9	443.5	446.2	452.8	452.8
20°	433.0	436.9	440.9	448.8	448.8
22.5°	426.4	430.3	434.3	443.5	446.2
25°	418.5	421.1	427.7	436.9	440.9
27.5°	409.2	411.9	419.8	429.0	434.3
30°	397.3	402.6	410.5	421.1	426.4
32.5°	386.8	392.1	398.7	411.9	417.1
35°	373.6	378.9	388.1	400.0	406.6
37.5°	363.0	368.3	376.2	388.1	396.0
40°	349.8	353.8	363.0	374.9	382.8
42.5°	336.6	341.9	349.8	363.0	369.6
45°	323.4	326.0	335.3	347.2	355.1
47.5°	308.9	311.5	319.4	332.6	337.9
50°	293.0	297.0	303.6	315.5	320.8
52.5°	274.6	279.8	287.8	297.0	303.6
55°	258.7	262.7	269.3	278.5	286.4
57.5°	241.6	245.5	252.1	261.4	269.3
60°	221.8	225.7	232.3	244.2	250.8
62.5°	202.0	207.2	212.5	224.4	236.3
65°	183.5	187.4	194.0	212.5	223.1
67.5°	162.4	167.6	174.2	200.6	216.5
70°	141.2	146.5	158.4	194.0	203.3
72.5°	121.4	125.4	145.2	179.5	182.2
75°	99.0	105.6	137.3	153.1	154.4
77.5°	76.6	85.8	117.5	128.0	129.4
80°	56.8	71.3	93.7	101.6	103.0
82.5°	39.6	60.7	72.6	79.2	79.2
85°	22.4	42.2	52.8	60.7	59.4
87.5°	13.2	27.7	39.6	46.2	44.9
90°	2.6	4.0	5.3	4.0	4.0
92.5°	34.3	110.9	30.4	30.4	29.0
95°	66.0	522.7	438.3	64.7	63.4
97.5°	95.0	634.9	1089.0	1300.2	904.2
100°	128.0	755.1	1160.3	1432.2	1518.0
102.5°	159.7	806.5	1223.7	1475.8	1561.6
105°	198.0	830.3	1297.6	1532.6	1605.2
107.5°	235.0	842.2	1379.4	1581.4	1651.4
110°	271.9	850.1	1433.6	1636.8	1693.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	310.2	855.4	1412.4	1702.9	1751.7
115°	349.8	860.7	1397.9	1741.1	1805.8
117.5°	385.5	864.6	1386.0	1704.2	1807.1
120°	419.8	869.9	1370.2	1677.8	1770.2
122.5°	451.5	876.5	1357.0	1654.0	1739.8
125°	485.8	880.5	1341.2	1628.9	1709.5
127.5°	514.8	885.7	1325.3	1598.6	1680.4
130°	546.5	895.0	1306.8	1572.2	1647.4
132.5°	574.2	901.6	1288.4	1543.1	1619.7
135°	599.3	904.2	1268.6	1510.1	1584.0
137.5°	627.0	902.9	1246.1	1477.1	1545.8
140°	649.5	897.6	1222.4	1441.5	1506.2
142.5°	670.6	893.7	1196.0	1404.5	1465.2
145°	690.4	884.4	1170.9	1363.6	1421.7
147.5°	708.9	875.2	1149.8	1321.4	1374.2
150°	726.0	862.0	1123.4	1272.5	1325.3
152.5°	741.9	851.4	1091.7	1230.3	1275.2
155°	753.7	842.2	1057.4	1193.3	1231.6
157.5°	766.9	835.6	1016.4	1145.8	1186.7
160°	777.5	829.0	976.8	1091.7	1130.0
162.5°	786.7	823.7	930.6	1038.9	1075.8
165°	793.3	819.7	888.4	976.8	1009.8
167.5°	798.6	815.8	860.7	912.1	943.8
170°	803.9	814.5	838.2	868.6	880.5
172.5°	807.9	814.5	823.7	838.2	843.5
175°	809.2	813.1	814.5	819.7	821.1
177.5°	811.8	814.5	810.5	811.8	811.8
180°	810.5	810.5	810.5	810.5	810.5

(END OF REPORT)