

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: P275249

Luminaire Tested: **J3-UL-80L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275249
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 (3500K)
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 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7800.1 lumens
Efficiency: N/A
Efficacy: 124.6 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

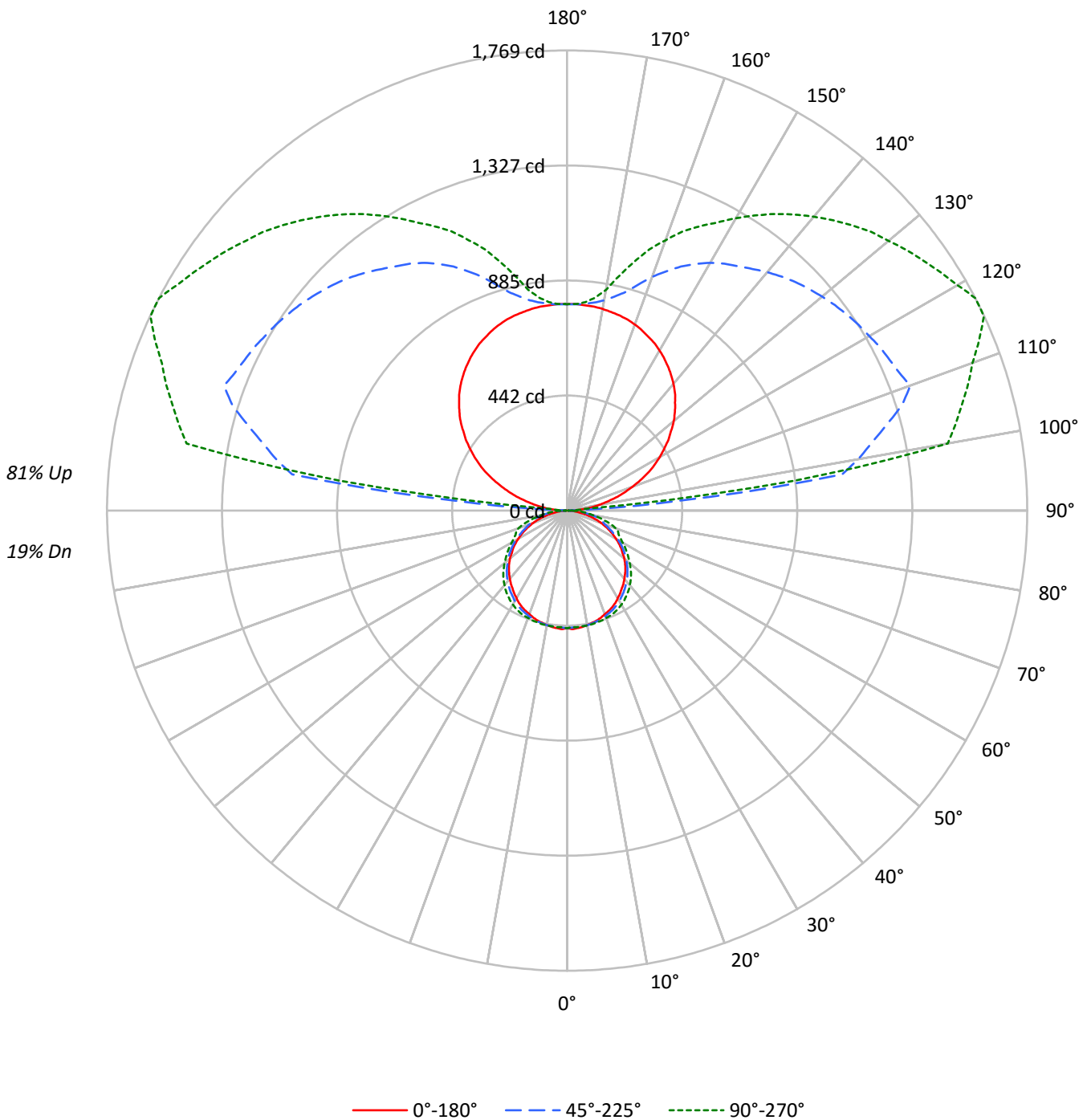
Input Watts (W): 62.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3651	3651	3651
5°	3676	3644	3644
10°	3665	3665	3676
15°	3662	3683	3715
20°	3642	3708	3775
25°	3649	3730	3844
30°	3626	3746	3891
35°	3604	3744	3922
40°	3608	3745	3950
45°	3615	3747	3969
50°	3603	3733	3944
55°	3565	3710	3947
60°	3505	3672	3964
65°	3431	3629	4172
70°	3264	3661	4697
75°	3022	4192	4716
80°	2585	4268	4686
85°	2038	4789	5391



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.0	0.6
10°-20°	124.9	1.6
20°-30°	193.6	2.5
30°-40°	238.7	3.1
40°-50°	254.5	3.3
50°-60°	237.2	3.0
60°-70°	193.8	2.5
70°-80°	133.5	1.7
80°-90°	52.8	0.7
90°-100°	459.6	5.9
100°-110°	1178.1	15.1
110°-120°	1219.9	15.6
120°-130°	1086.1	13.9
130°-140°	904.3	11.6
140°-150°	688.5	8.8
150°-160°	463.3	5.9
160°-170°	251.2	3.2
170°-180°	77.0	1.0
0°-30°	361.4	4.6
0°-40°	600.1	7.7
0°-60°	1091.8	14.0
0°-90°	1472.0	18.9
90°-120°	2857.6	36.6
90°-150°	5536.6	71.0
90°-180°	6328.0	81.1
0°-180°	7800.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	452	452	452	452	452	
5°	454	452	450	450	450	43
15°	438	439	441	446	444	123
25°	410	412	419	428	432	189
35°	366	371	380	392	398	230
45°	317	319	328	340	348	244
55°	253	257	264	273	280	226
65°	180	184	190	208	218	177
75°	97	103	134	150	151	102
85°	22	41	52	59	58	26
90°	3	4	5	4	4	7
95°	65	512	429	63	62	64
105°	194	813	1270	1500	1571	205
115°	342	843	1368	1704	1768	337
125°	476	862	1313	1595	1674	424
135°	587	885	1242	1478	1551	454
145°	676	866	1146	1335	1392	423
155°	738	824	1035	1168	1206	341
165°	777	802	870	956	989	220
175°	792	796	797	802	804	75
180°	794	794	794	794	794	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	452.3	452.3	452.3	452.3	452.3
2.5°	456.2	453.6	449.7	449.7	448.4
5°	453.6	452.3	449.7	449.7	449.7
7.5°	451.0	451.0	448.4	449.7	448.4
10°	447.1	448.4	447.1	449.7	448.4
12.5°	442.0	444.5	444.5	448.4	447.1
15°	438.1	439.4	440.7	445.8	444.5
17.5°	431.6	434.2	436.8	443.2	443.2
20°	423.9	427.7	431.6	439.4	439.4
22.5°	417.4	421.3	425.2	434.2	436.8
25°	409.6	412.2	418.7	427.7	431.6
27.5°	400.6	403.2	410.9	420.0	425.2
30°	389.0	394.1	401.9	412.2	417.4
32.5°	378.6	383.8	390.3	403.2	408.4
35°	365.7	370.9	379.9	391.6	398.0
37.5°	355.4	360.5	368.3	379.9	387.7
40°	342.4	346.3	355.4	367.0	374.8
42.5°	329.5	334.7	342.4	355.4	361.8
45°	316.6	319.2	328.2	339.9	347.6
47.5°	302.4	305.0	312.7	325.7	330.8
50°	286.9	290.8	297.2	308.9	314.0
52.5°	268.8	274.0	281.7	290.8	297.2
55°	253.3	257.2	263.6	272.7	280.4
57.5°	236.5	240.4	246.8	255.9	263.6
60°	217.1	221.0	227.4	239.1	245.5
62.5°	197.7	202.9	208.1	219.7	231.3
65°	179.6	183.5	190.0	208.1	218.4
67.5°	158.9	164.1	170.6	196.4	211.9
70°	138.3	143.4	155.1	190.0	199.0
72.5°	118.9	122.8	142.1	175.7	178.3
75°	96.9	103.4	134.4	149.9	151.2
77.5°	75.0	84.0	115.0	125.3	126.6
80°	55.6	69.8	91.8	99.5	100.8
82.5°	38.8	59.4	71.1	77.5	77.5
85°	22.0	41.4	51.7	59.4	58.2
87.5°	12.9	27.1	38.8	45.2	43.9
90°	2.6	3.9	5.2	3.9	3.9
92.5°	33.6	108.6	29.7	29.7	28.4
95°	64.6	511.7	429.0	63.3	62.0
97.5°	93.0	621.6	1066.1	1272.9	885.2
100°	125.3	739.2	1135.9	1402.1	1486.1
102.5°	156.4	789.6	1197.9	1444.8	1528.7
105°	193.8	812.8	1270.3	1500.3	1571.4
107.5°	230.0	824.5	1350.4	1548.1	1616.6
110°	266.2	832.2	1403.4	1602.4	1658.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	303.7	837.4	1382.7	1667.0	1714.8
115°	342.4	842.6	1368.5	1704.5	1767.8
117.5°	377.3	846.4	1356.9	1668.3	1769.1
120°	410.9	851.6	1341.4	1642.5	1732.9
122.5°	442.0	858.1	1328.4	1619.2	1703.2
125°	475.6	861.9	1312.9	1594.7	1673.5
127.5°	504.0	867.1	1297.4	1564.9	1645.1
130°	535.0	876.2	1279.3	1539.1	1612.7
132.5°	562.1	882.6	1261.2	1510.7	1585.6
135°	586.7	885.2	1241.9	1478.4	1550.7
137.5°	613.8	883.9	1219.9	1446.0	1513.2
140°	635.8	878.7	1196.6	1411.2	1474.5
142.5°	656.5	874.9	1170.8	1375.0	1434.4
145°	675.9	865.8	1146.2	1334.9	1391.8
147.5°	693.9	856.8	1125.6	1293.6	1345.2
150°	710.7	843.8	1099.7	1245.7	1297.4
152.5°	726.3	833.5	1068.7	1204.4	1248.3
155°	737.9	824.5	1035.1	1168.2	1205.7
157.5°	750.8	818.0	995.0	1121.7	1161.7
160°	761.1	811.5	956.3	1068.7	1106.2
162.5°	770.2	806.4	911.0	1017.0	1053.2
165°	776.7	802.5	869.7	956.3	988.6
167.5°	781.8	798.6	842.6	893.0	924.0
170°	787.0	797.3	820.6	850.3	861.9
172.5°	790.9	797.3	806.4	820.6	825.8
175°	792.2	796.0	797.3	802.5	803.8
177.5°	794.7	797.3	793.5	794.7	794.7
180°	793.5	793.5	793.5	793.5	793.5

(END OF REPORT)