

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: P275259

Luminaire Tested: **J3-UL-80L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275259
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 (4500K)
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 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7233.2 lumens
Efficiency: N/A
Efficacy: 113.9 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

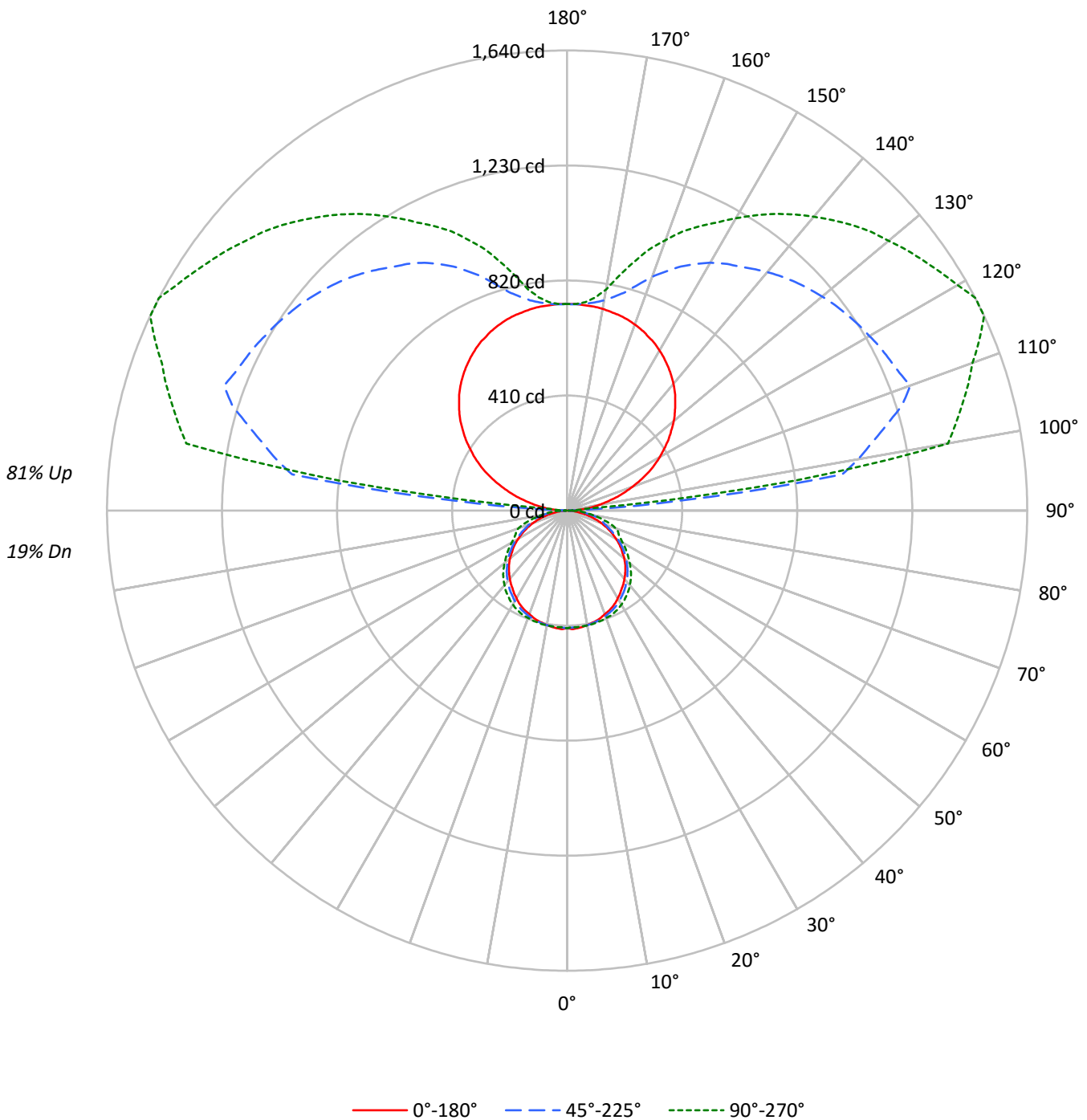
Input Watts (W): 63.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3386	3386	3386
5°	3408	3379	3379
10°	3399	3399	3409
15°	3395	3415	3445
20°	3377	3438	3500
25°	3384	3459	3565
30°	3362	3474	3608
35°	3342	3472	3638
40°	3347	3472	3662
45°	3352	3475	3681
50°	3341	3461	3657
55°	3306	3441	3659
60°	3250	3405	3676
65°	3182	3366	3868
70°	3026	3394	4355
75°	2804	3886	4373
80°	2394	3956	4347
85°	1890	4437	4993



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.8	0.6
10°-20°	115.8	1.6
20°-30°	179.5	2.5
30°-40°	221.4	3.1
40°-50°	236.0	3.3
50°-60°	220.0	3.0
60°-70°	179.7	2.5
70°-80°	123.8	1.7
80°-90°	49.0	0.7
90°-100°	426.3	5.9
100°-110°	1092.5	15.1
110°-120°	1131.2	15.6
120°-130°	1007.2	13.9
130°-140°	838.6	11.6
140°-150°	638.5	8.8
150°-160°	429.6	5.9
160°-170°	232.9	3.2
170°-180°	71.4	1.0
0°-30°	335.1	4.6
0°-40°	556.5	7.7
0°-60°	1012.5	14.0
0°-90°	1365.0	18.9
90°-120°	2650.0	36.6
90°-150°	5134.3	71.0
90°-180°	5868.0	81.1
0°-180°	7233.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	419	419	419	419	419	
5°	421	419	417	417	417	40
15°	406	407	409	413	412	115
25°	380	382	388	397	400	175
35°	339	344	352	363	369	213
45°	294	296	304	315	322	226
55°	235	238	244	253	260	210
65°	167	170	176	193	202	164
75°	90	96	125	139	140	95
85°	20	38	48	55	54	24
90°	2	4	5	4	4	7
95°	60	474	398	59	58	60
105°	180	754	1178	1391	1457	190
115°	318	781	1269	1581	1639	313
125°	441	799	1218	1479	1552	393
135°	544	821	1152	1371	1438	421
145°	627	803	1063	1238	1291	392
155°	684	764	960	1083	1118	316
165°	720	744	806	887	917	204
175°	735	738	739	744	745	70
180°	736	736	736	736	736	



TEST NUMBER: P275259

CATALOG NUMBER: J3-UL-80L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	419.4	419.4	419.4	419.4	419.4
2.5°	423.0	420.6	417.0	417.0	415.8
5°	420.6	419.4	417.0	417.0	417.0
7.5°	418.2	418.2	415.8	417.0	415.8
10°	414.6	415.8	414.6	417.0	415.8
12.5°	409.8	412.2	412.2	415.8	414.6
15°	406.2	407.4	408.6	413.4	412.2
17.5°	400.2	402.6	405.0	411.0	411.0
20°	393.1	396.7	400.2	407.4	407.4
22.5°	387.1	390.7	394.3	402.6	405.0
25°	379.9	382.3	388.3	396.7	400.2
27.5°	371.5	373.9	381.1	389.5	394.3
30°	360.7	365.5	372.7	382.3	387.1
32.5°	351.1	355.9	361.9	373.9	378.7
35°	339.1	343.9	352.3	363.1	369.1
37.5°	329.5	334.3	341.5	352.3	359.5
40°	317.6	321.2	329.5	340.3	347.5
42.5°	305.6	310.4	317.6	329.5	335.5
45°	293.6	296.0	304.4	315.2	322.4
47.5°	280.4	282.8	290.0	302.0	306.8
50°	266.0	269.6	275.6	286.4	291.2
52.5°	249.3	254.1	261.2	269.6	275.6
55°	234.9	238.5	244.5	252.9	260.0
57.5°	219.3	222.9	228.9	237.3	244.5
60°	201.3	204.9	210.9	221.7	227.7
62.5°	183.3	188.1	192.9	203.7	214.5
65°	166.6	170.2	176.2	192.9	202.5
67.5°	147.4	152.2	158.2	182.1	196.5
70°	128.2	133.0	143.8	176.2	184.5
72.5°	110.2	113.8	131.8	163.0	165.4
75°	89.9	95.9	124.6	139.0	140.2
77.5°	69.5	77.9	106.7	116.2	117.4
80°	51.5	64.7	85.1	92.3	93.5
82.5°	36.0	55.1	65.9	71.9	71.9
85°	20.4	38.3	47.9	55.1	53.9
87.5°	12.0	25.2	36.0	41.9	40.7
90°	2.4	3.6	4.8	3.6	3.6
92.5°	31.2	100.7	27.6	27.6	26.4
95°	59.9	474.5	397.9	58.7	57.5
97.5°	86.3	576.4	988.6	1180.4	820.9
100°	116.2	685.5	1053.4	1300.2	1378.1
102.5°	145.0	732.2	1110.9	1339.8	1417.7
105°	179.8	753.8	1178.0	1391.3	1457.2
107.5°	213.3	764.5	1252.3	1435.6	1499.1
110°	246.9	771.7	1301.4	1486.0	1537.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	281.6	776.5	1282.2	1545.9	1590.2
115°	317.6	781.3	1269.1	1580.6	1639.3
117.5°	349.9	784.9	1258.3	1547.1	1640.5
120°	381.1	789.7	1243.9	1523.1	1607.0
122.5°	409.8	795.7	1231.9	1501.5	1579.4
125°	441.0	799.3	1217.5	1478.8	1551.9
127.5°	467.4	804.1	1203.1	1451.2	1525.5
130°	496.1	812.5	1186.4	1427.2	1495.5
132.5°	521.3	818.5	1169.6	1400.9	1470.4
135°	544.1	820.9	1151.6	1370.9	1438.0
137.5°	569.2	819.7	1131.2	1341.0	1403.3
140°	589.6	814.9	1109.7	1308.6	1367.3
142.5°	608.8	811.3	1085.7	1275.0	1330.2
145°	626.7	802.9	1062.9	1237.9	1290.6
147.5°	643.5	794.5	1043.8	1199.6	1247.5
150°	659.1	782.5	1019.8	1155.2	1203.1
152.5°	673.5	772.9	991.0	1116.9	1157.6
155°	684.3	764.5	959.9	1083.3	1118.1
157.5°	696.2	758.6	922.7	1040.2	1077.3
160°	705.8	752.6	886.8	991.0	1025.8
162.5°	714.2	747.8	844.8	943.1	976.7
165°	720.2	744.2	806.5	886.8	916.7
167.5°	725.0	740.6	781.3	828.1	856.8
170°	729.8	739.4	761.0	788.5	799.3
172.5°	733.4	739.4	747.8	761.0	765.7
175°	734.6	738.2	739.4	744.2	745.4
177.5°	737.0	739.4	735.8	737.0	737.0
180°	735.8	735.8	735.8	735.8	735.8

(END OF REPORT)