

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: P275056

Luminaire Tested: **J3-CL-80L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275056
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-CL-80L82765-1D-UNV-W2A-W-4 (3000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7218.2 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

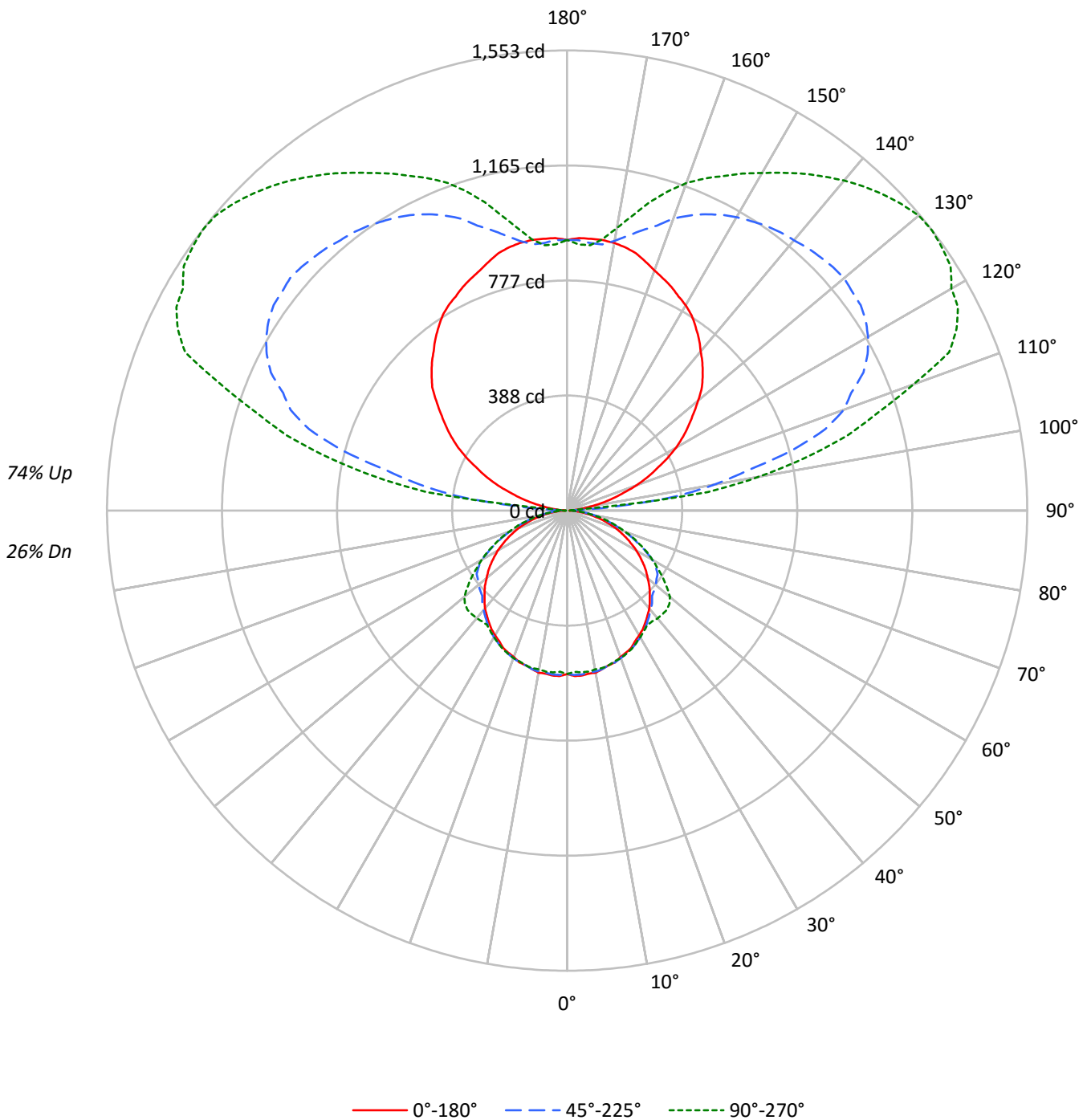
Input Watts (W): 61.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26				
1	92	88	84	80	82	78	75	72	61	58	56	44	43	42	29	28	28	21				
2	84	76	70	65	74	68	63	59	53	49	46	38	36	34	25	24	23	17				
3	76	67	60	54	67	60	54	49	46	42	38	34	31	29	22	21	19	14				
4	69	59	51	45	61	53	46	41	41	36	32	30	27	24	20	18	16	12				
5	63	52	44	38	56	47	40	35	36	31	28	27	23	21	18	16	14	10				
6	58	46	39	33	52	42	35	30	32	28	24	24	21	18	16	14	12	9				
7	54	42	34	29	48	37	31	26	29	24	21	22	18	16	14	12	11	8				
8	50	38	30	25	44	34	27	23	26	22	18	20	16	14	13	11	9	7				
9	46	34	27	22	41	31	24	20	24	19	16	18	15	12	12	10	8	6				
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	8	6				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4453	4453	4453
5°	4529	4500	4441
10°	4552	4522	4462
15°	4519	4519	4519
20°	4520	4551	4551
25°	4555	4588	4588
30°	4529	4598	4598
35°	4536	4608	4645
40°	4543	4620	5005
45°	4504	4630	5422
50°	4451	4909	5689
55°	4422	5244	5552
60°	4364	5367	5367
65°	4256	5095	5163
70°	4140	4829	4914
75°	3874	4557	4672
80°	3566	4417	4245
85°	3381	4733	4057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.6	0.7
10°-20°	152.7	2.1
20°-30°	235.9	3.3
30°-40°	292.7	4.1
40°-50°	327.5	4.5
50°-60°	320.0	4.4
60°-70°	252.5	3.5
70°-80°	152.8	2.1
80°-90°	54.4	0.8
90°-100°	187.5	2.6
100°-110°	725.1	10.0
110°-120°	996.4	13.8
120°-130°	1008.1	14.0
130°-140°	893.4	12.4
140°-150°	706.6	9.8
150°-160°	493.4	6.8
160°-170°	279.2	3.9
170°-180°	87.5	1.2
0°-30°	441.2	6.1
0°-40°	733.9	10.2
0°-60°	1381.4	19.1
0°-90°	1841.0	25.5
90°-120°	1909.0	26.4
90°-150°	4517.0	62.6
90°-180°	5377.0	74.5
0°-180°	7218.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	552	552	552	552	552	
5°	559	552	555	552	548	53
15°	541	537	541	541	541	153
25°	511	504	515	515	515	235
35°	460	460	468	471	471	288
45°	394	398	406	457	475	304
55°	314	318	373	394	394	281
65°	223	234	267	270	270	220
75°	124	146	146	150	150	131
85°	36	58	51	48	44	38
90°	7	22	18	4	4	7
95°	29	146	175	36	36	36
105°	161	519	785	906	979	171
115°	332	701	1103	1366	1450	332
125°	500	811	1209	1472	1545	448
135°	647	891	1209	1447	1509	498
145°	756	913	1173	1344	1388	473
155°	833	891	1103	1224	1246	384
165°	899	895	979	1063	1078	253
175°	921	910	906	906	899	88
180°	913	913	913	913	913	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	551.6	551.6	551.6	551.6	551.6
2.5°	558.9	551.6	555.3	551.6	544.3
5°	558.9	551.6	555.3	551.6	548.0
7.5°	555.3	551.6	551.6	548.0	548.0
10°	555.3	548.0	551.6	548.0	544.3
12.5°	548.0	544.3	548.0	544.3	544.3
15°	540.7	537.0	540.7	540.7	540.7
17.5°	537.0	529.7	537.0	537.0	533.4
20°	526.1	522.4	529.7	529.7	529.7
22.5°	518.8	515.1	522.4	522.4	522.4
25°	511.4	504.1	515.1	515.1	515.1
27.5°	496.8	496.8	504.1	507.8	504.1
30°	485.9	482.2	493.2	496.8	493.2
32.5°	474.9	471.3	482.2	485.9	482.2
35°	460.3	460.3	467.6	471.3	471.3
37.5°	445.7	445.7	453.0	456.6	471.3
40°	431.1	431.1	438.4	460.3	474.9
42.5°	412.8	412.8	423.8	456.6	474.9
45°	394.5	398.2	405.5	456.6	474.9
47.5°	376.3	379.9	398.2	453.0	467.6
50°	354.4	361.7	390.9	442.0	453.0
52.5°	336.1	339.7	379.9	423.8	423.8
55°	314.2	317.8	372.6	394.5	394.5
57.5°	292.3	295.9	354.4	361.7	361.7
60°	270.3	274.0	332.4	332.4	332.4
62.5°	244.8	252.1	299.6	303.2	303.2
65°	222.8	233.8	266.7	270.3	270.3
67.5°	197.3	215.5	237.5	241.1	241.1
70°	175.4	197.3	204.6	208.2	208.2
72.5°	149.8	171.7	175.4	179.0	179.0
75°	124.2	146.1	146.1	149.8	149.8
77.5°	98.6	116.9	120.6	120.6	120.6
80°	76.7	87.7	95.0	91.3	91.3
82.5°	54.8	69.4	69.4	69.4	65.8
85°	36.5	58.5	51.1	47.5	43.8
87.5°	21.9	51.1	29.2	25.6	25.6
90°	7.3	21.9	18.3	3.7	3.7
92.5°	14.6	36.5	18.3	14.6	11.0
95°	29.2	146.1	175.4	36.5	36.5
97.5°	54.8	244.8	376.3	445.7	478.6
100°	84.0	365.3	504.1	617.4	657.6
102.5°	120.6	442.0	621.0	763.5	822.0
105°	160.7	518.8	785.4	906.0	979.1
107.5°	200.9	577.2	913.3	1048.5	1099.6
110°	248.4	624.7	993.7	1227.5	1242.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	292.3	661.2	1037.5	1315.1	1395.5
115°	332.4	701.4	1103.3	1366.3	1450.3
117.5°	379.9	730.6	1143.4	1395.5	1486.8
120°	423.8	756.2	1172.7	1432.0	1497.8
122.5°	464.0	785.4	1194.6	1461.3	1534.3
125°	500.5	811.0	1209.2	1472.2	1545.3
127.5°	537.0	832.9	1212.9	1475.9	1552.6
130°	577.2	854.8	1220.2	1472.2	1549.0
132.5°	617.4	876.8	1216.5	1461.3	1530.7
135°	646.6	891.4	1209.2	1446.7	1508.8
137.5°	675.8	902.3	1201.9	1424.7	1483.2
140°	701.4	909.6	1190.9	1399.2	1454.0
142.5°	730.6	913.3	1183.6	1373.6	1421.1
145°	756.2	913.3	1172.7	1344.4	1388.2
147.5°	781.8	909.6	1158.1	1315.1	1351.7
150°	800.0	902.3	1143.4	1285.9	1315.1
152.5°	814.7	895.0	1125.2	1253.0	1282.3
155°	832.9	891.4	1103.3	1223.8	1245.7
157.5°	847.5	891.4	1077.7	1190.9	1212.9
160°	862.2	891.4	1048.5	1158.1	1176.3
162.5°	880.4	891.4	1008.3	1110.6	1128.8
165°	898.7	895.0	979.1	1063.1	1077.7
167.5°	909.6	895.0	949.8	1004.6	1019.2
170°	917.0	902.3	924.3	964.4	968.1
172.5°	920.6	909.6	906.0	924.3	924.3
175°	920.6	909.6	906.0	906.0	898.7
177.5°	920.6	913.3	913.3	909.6	898.7
180°	913.3	913.3	913.3	913.3	913.3

(END OF REPORT)