

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: P275070

Luminaire Tested: **J3-CL-80L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275070
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-80L92765-1D-UNV-W2A-W-4 (6500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7256.4 lumens
Efficiency: N/A
Efficacy: 111.3 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

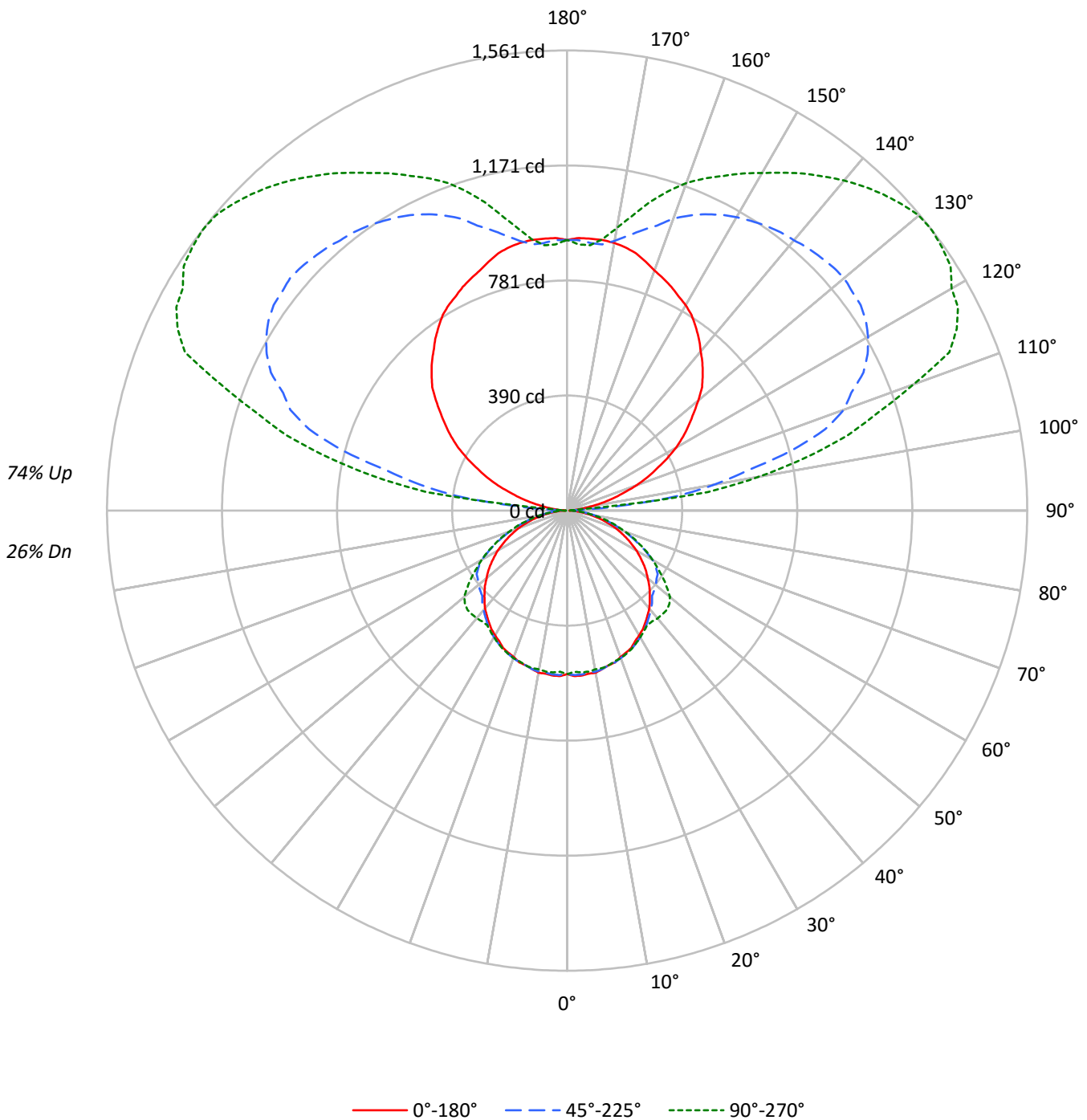
Input Watts (W): 65.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	4477	4477	4477
5°	4554	4524	4464
10°	4576	4546	4486
15°	4542	4542	4542
20°	4543	4575	4575
25°	4580	4612	4612
30°	4553	4622	4622
35°	4560	4633	4669
40°	4567	4644	5031
45°	4528	4655	5450
50°	4474	4936	5719
55°	4445	5272	5582
60°	4388	5396	5396
65°	4279	5121	5192
70°	4161	4855	4940
75°	3896	4582	4697
80°	3584	4440	4268
85°	3399	4761	4085



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	0.7
10°-20°	153.5	2.1
20°-30°	237.2	3.3
30°-40°	294.2	4.1
40°-50°	329.2	4.5
50°-60°	321.7	4.4
60°-70°	253.8	3.5
70°-80°	153.6	2.1
80°-90°	54.7	0.8
90°-100°	188.5	2.6
100°-110°	728.9	10.0
110°-120°	1001.7	13.8
120°-130°	1013.4	14.0
130°-140°	898.1	12.4
140°-150°	710.3	9.8
150°-160°	496.0	6.8
160°-170°	280.7	3.9
170°-180°	88.0	1.2
0°-30°	443.6	6.1
0°-40°	737.8	10.2
0°-60°	1388.7	19.1
0°-90°	1850.8	25.5
90°-120°	1919.1	26.4
90°-150°	4541.0	62.6
90°-180°	5406.0	74.5
0°-180°	7256.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	555	555	555	555	555	
5°	562	555	558	555	551	53
15°	544	540	544	544	544	154
25°	514	507	518	518	518	236
35°	463	463	470	474	474	290
45°	397	400	408	459	477	306
55°	316	320	375	397	397	282
65°	224	235	268	272	272	221
75°	125	147	147	151	151	132
85°	37	59	51	48	44	38
90°	7	22	18	4	4	7
95°	29	147	176	37	37	36
105°	162	522	790	911	984	172
115°	334	705	1109	1374	1458	333
125°	503	815	1216	1480	1554	450
135°	650	896	1216	1454	1517	501
145°	760	918	1179	1352	1396	475
155°	837	896	1109	1230	1252	386
165°	903	900	984	1069	1083	254
175°	926	914	911	911	903	88
180°	918	918	918	918	918	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	554.6	554.6	554.6	554.6	554.6
2.5°	561.9	554.6	558.2	554.6	547.2
5°	561.9	554.6	558.2	554.6	550.9
7.5°	558.2	554.6	554.6	550.9	550.9
10°	558.2	550.9	554.6	550.9	547.2
12.5°	550.9	547.2	550.9	547.2	547.2
15°	543.5	539.9	543.5	543.5	543.5
17.5°	539.9	532.5	539.9	539.9	536.2
20°	528.8	525.2	532.5	532.5	532.5
22.5°	521.5	517.8	525.2	525.2	525.2
25°	514.2	506.8	517.8	517.8	517.8
27.5°	499.5	499.5	506.8	510.5	506.8
30°	488.4	484.8	495.8	499.5	495.8
32.5°	477.4	473.8	484.8	488.4	484.8
35°	462.7	462.7	470.1	473.8	473.8
37.5°	448.0	448.0	455.4	459.1	473.8
40°	433.4	433.4	440.7	462.7	477.4
42.5°	415.0	415.0	426.0	459.1	477.4
45°	396.6	400.3	407.7	459.1	477.4
47.5°	378.3	381.9	400.3	455.4	470.1
50°	356.2	363.6	393.0	444.4	455.4
52.5°	337.9	341.5	381.9	426.0	426.0
55°	315.8	319.5	374.6	396.6	396.6
57.5°	293.8	297.5	356.2	363.6	363.6
60°	271.8	275.4	334.2	334.2	334.2
62.5°	246.1	253.4	301.1	304.8	304.8
65°	224.0	235.0	268.1	271.8	271.8
67.5°	198.3	216.7	238.7	242.4	242.4
70°	176.3	198.3	205.7	209.3	209.3
72.5°	150.6	172.6	176.3	180.0	180.0
75°	124.9	146.9	146.9	150.6	150.6
77.5°	99.2	117.5	121.2	121.2	121.2
80°	77.1	88.1	95.5	91.8	91.8
82.5°	55.1	69.8	69.8	69.8	66.1
85°	36.7	58.8	51.4	47.7	44.1
87.5°	22.0	51.4	29.4	25.7	25.7
90°	7.3	22.0	18.4	3.7	3.7
92.5°	14.7	36.7	18.4	14.7	11.0
95°	29.4	146.9	176.3	36.7	36.7
97.5°	55.1	246.1	378.3	448.0	481.1
100°	84.5	367.3	506.8	620.7	661.1
102.5°	121.2	444.4	624.3	767.6	826.3
105°	161.6	521.5	789.6	910.8	984.2
107.5°	202.0	580.3	918.1	1054.0	1105.4
110°	249.7	628.0	998.9	1234.0	1248.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	293.8	664.7	1043.0	1322.1	1402.9
115°	334.2	705.1	1109.1	1373.5	1458.0
117.5°	381.9	734.5	1149.5	1402.9	1494.7
120°	426.0	760.2	1178.9	1439.6	1505.7
122.5°	466.4	789.6	1200.9	1469.0	1542.5
125°	503.1	815.3	1215.6	1480.0	1553.5
127.5°	539.9	837.3	1219.3	1483.7	1560.8
130°	580.3	859.4	1226.6	1480.0	1557.2
132.5°	620.7	881.4	1223.0	1469.0	1538.8
135°	650.0	896.1	1215.6	1454.3	1516.8
137.5°	679.4	907.1	1208.3	1432.3	1491.0
140°	705.1	914.5	1197.2	1406.6	1461.7
142.5°	734.5	918.1	1189.9	1380.9	1428.6
145°	760.2	918.1	1178.9	1351.5	1395.6
147.5°	785.9	914.5	1164.2	1322.1	1358.8
150°	804.3	907.1	1149.5	1292.7	1322.1
152.5°	819.0	899.8	1131.1	1259.7	1289.1
155°	837.3	896.1	1109.1	1230.3	1252.3
157.5°	852.0	896.1	1083.4	1197.2	1219.3
160°	866.7	896.1	1054.0	1164.2	1182.6
162.5°	885.1	896.1	1013.6	1116.5	1134.8
165°	903.4	899.8	984.2	1068.7	1083.4
167.5°	914.5	899.8	954.9	1009.9	1024.6
170°	921.8	907.1	929.2	969.5	973.2
172.5°	925.5	914.5	910.8	929.2	929.2
175°	925.5	914.5	910.8	910.8	903.4
177.5°	925.5	918.1	918.1	914.5	903.4
180°	918.1	918.1	918.1	918.1	918.1

(END OF REPORT)