

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: P275059

Luminaire Tested: **J3-CL-80L82765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275059
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 (4500K)
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 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7768.8 lumens
Efficiency: N/A
Efficacy: 122.3 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

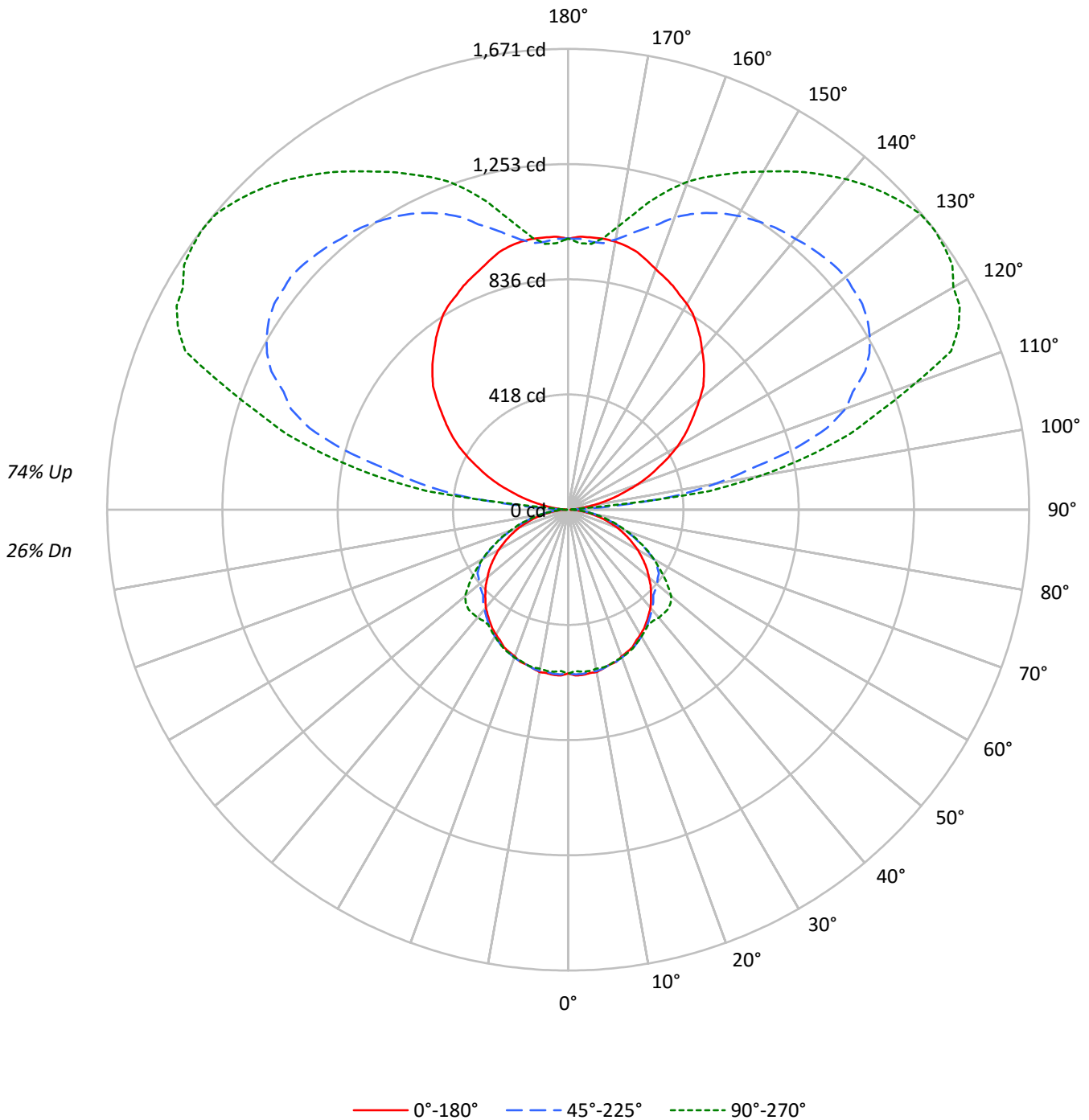
Input Watts (W): 63.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4793	4793	4793
5°	4875	4843	4780
10°	4899	4867	4802
15°	4863	4863	4863
20°	4864	4898	4898
25°	4904	4938	4938
30°	4874	4948	4948
35°	4882	4960	4999
40°	4890	4972	5386
45°	4848	4982	5835
50°	4790	5284	6123
55°	4759	5644	5976
60°	4698	5777	5777
65°	4581	5482	5559
70°	4454	5198	5290
75°	4170	4906	5028
80°	3840	4751	4570
85°	3640	5094	4372



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.6	0.7
10°-20°	164.3	2.1
20°-30°	253.9	3.3
30°-40°	315.0	4.1
40°-50°	352.5	4.5
50°-60°	344.4	4.4
60°-70°	271.7	3.5
70°-80°	164.4	2.1
80°-90°	58.5	0.8
90°-100°	201.8	2.6
100°-110°	780.4	10.0
110°-120°	1072.4	13.8
120°-130°	1085.0	14.0
130°-140°	961.6	12.4
140°-150°	760.5	9.8
150°-160°	531.0	6.8
160°-170°	300.5	3.9
170°-180°	94.2	1.2
0°-30°	474.9	6.1
0°-40°	789.9	10.2
0°-60°	1486.8	19.1
0°-90°	1981.5	25.5
90°-120°	2054.6	26.4
90°-150°	4861.6	62.6
90°-180°	5787.0	74.5
0°-180°	7768.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	594	594	594	594	594	
5°	602	594	598	594	590	57
15°	582	578	582	582	582	165
25°	550	543	554	554	554	253
35°	495	495	503	507	507	310
45°	425	429	436	492	511	328
55°	338	342	401	425	425	302
65°	240	252	287	291	291	236
75°	134	157	157	161	161	142
85°	39	63	55	51	47	41
90°	8	24	20	4	4	8
95°	32	157	189	39	39	39
105°	173	558	845	975	1054	184
115°	358	755	1187	1470	1561	357
125°	539	873	1301	1584	1663	482
135°	696	959	1301	1557	1624	536
145°	814	983	1262	1447	1494	509
155°	896	959	1187	1317	1341	413
165°	967	963	1054	1144	1160	272
175°	991	979	975	975	967	94
180°	983	983	983	983	983	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	593.7	593.7	593.7	593.7	593.7
2.5°	601.6	593.7	597.6	593.7	585.8
5°	601.6	593.7	597.6	593.7	589.8
7.5°	597.6	593.7	593.7	589.8	589.8
10°	597.6	589.8	593.7	589.8	585.8
12.5°	589.8	585.8	589.8	585.8	585.8
15°	581.9	578.0	581.9	581.9	581.9
17.5°	578.0	570.1	578.0	578.0	574.0
20°	566.2	562.3	570.1	570.1	570.1
22.5°	558.3	554.4	562.3	562.3	562.3
25°	550.5	542.6	554.4	554.4	554.4
27.5°	534.7	534.7	542.6	546.5	542.6
30°	522.9	519.0	530.8	534.7	530.8
32.5°	511.1	507.2	519.0	522.9	519.0
35°	495.4	495.4	503.3	507.2	507.2
37.5°	479.7	479.7	487.5	491.5	507.2
40°	464.0	464.0	471.8	495.4	511.1
42.5°	444.3	444.3	456.1	491.5	511.1
45°	424.6	428.6	436.4	491.5	511.1
47.5°	405.0	408.9	428.6	487.5	503.3
50°	381.4	389.3	420.7	475.8	487.5
52.5°	361.7	365.7	408.9	456.1	456.1
55°	338.1	342.1	401.0	424.6	424.6
57.5°	314.5	318.5	381.4	389.3	389.3
60°	291.0	294.9	357.8	357.8	357.8
62.5°	263.4	271.3	322.4	326.3	326.3
65°	239.8	251.6	287.0	291.0	291.0
67.5°	212.3	232.0	255.6	259.5	259.5
70°	188.7	212.3	220.2	224.1	224.1
72.5°	161.2	184.8	188.7	192.7	192.7
75°	133.7	157.3	157.3	161.2	161.2
77.5°	106.2	125.8	129.8	129.8	129.8
80°	82.6	94.4	102.2	98.3	98.3
82.5°	59.0	74.7	74.7	74.7	70.8
85°	39.3	62.9	55.0	51.1	47.2
87.5°	23.6	55.0	31.5	27.5	27.5
90°	7.9	23.6	19.7	3.9	3.9
92.5°	15.7	39.3	19.7	15.7	11.8
95°	31.5	157.3	188.7	39.3	39.3
97.5°	59.0	263.4	405.0	479.7	515.1
100°	90.4	393.2	542.6	664.5	707.7
102.5°	129.8	475.8	668.4	821.8	884.7
105°	173.0	558.3	845.3	975.1	1053.7
107.5°	216.3	621.2	983.0	1128.4	1183.5
110°	267.4	672.3	1069.5	1321.1	1336.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	314.5	711.7	1116.6	1415.5	1502.0
115°	357.8	754.9	1187.4	1470.5	1560.9
117.5°	408.9	786.4	1230.7	1502.0	1600.3
120°	456.1	813.9	1262.1	1541.3	1612.0
122.5°	499.3	845.3	1285.7	1572.7	1651.4
125°	538.7	872.9	1301.4	1584.5	1663.2
127.5°	578.0	896.5	1305.4	1588.5	1671.0
130°	621.2	920.0	1313.2	1584.5	1667.1
132.5°	664.5	943.6	1309.3	1572.7	1647.4
135°	695.9	959.4	1301.4	1557.0	1623.8
137.5°	727.4	971.2	1293.6	1533.4	1596.3
140°	754.9	979.0	1281.8	1505.9	1564.9
142.5°	786.4	983.0	1273.9	1478.4	1529.5
145°	813.9	983.0	1262.1	1446.9	1494.1
147.5°	841.4	979.0	1246.4	1415.5	1454.8
150°	861.1	971.2	1230.7	1384.0	1415.5
152.5°	876.8	963.3	1211.0	1348.6	1380.1
155°	896.5	959.4	1187.4	1317.2	1340.8
157.5°	912.2	959.4	1159.9	1281.8	1305.4
160°	927.9	959.4	1128.4	1246.4	1266.0
162.5°	947.6	959.4	1085.2	1195.3	1214.9
165°	967.2	963.3	1053.7	1144.2	1159.9
167.5°	979.0	963.3	1022.3	1081.3	1097.0
170°	986.9	971.2	994.8	1038.0	1041.9
172.5°	990.8	979.0	975.1	994.8	994.8
175°	990.8	979.0	975.1	975.1	967.2
177.5°	990.8	983.0	983.0	979.0	967.2
180°	983.0	983.0	983.0	983.0	983.0

(END OF REPORT)