

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: P275062

Luminaire Tested: **J3-CL-80L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275062
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 (6500K)
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 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7990.5 lumens
Efficiency: N/A
Efficacy: 122.9 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

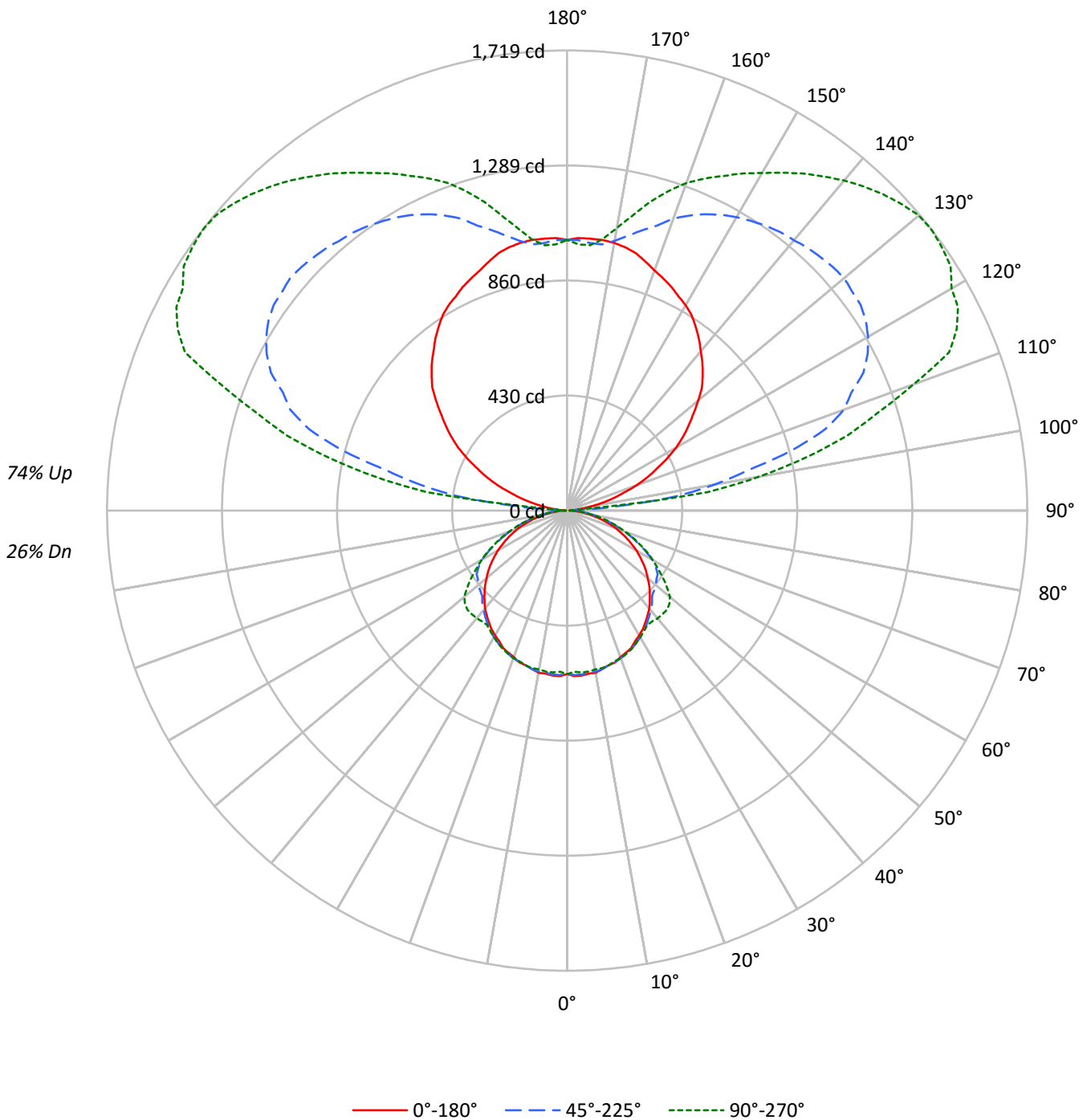
Input Watts (W): 65
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4930	4930	4930
5°	5014	4981	4916
10°	5039	5006	4940
15°	5002	5002	5002
20°	5003	5038	5038
25°	5043	5079	5079
30°	5014	5089	5089
35°	5022	5101	5141
40°	5029	5114	5540
45°	4987	5125	6002
50°	4927	5434	6298
55°	4895	5806	6148
60°	4832	5942	5942
65°	4713	5639	5717
70°	4581	5346	5441
75°	4289	5047	5172
80°	3947	4886	4700
85°	3742	5243	4492



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.3	0.7
10°-20°	169.0	2.1
20°-30°	261.2	3.3
30°-40°	324.0	4.1
40°-50°	362.5	4.5
50°-60°	354.3	4.4
60°-70°	279.5	3.5
70°-80°	169.1	2.1
80°-90°	60.2	0.8
90°-100°	207.5	2.6
100°-110°	802.6	10.0
110°-120°	1103.0	13.8
120°-130°	1115.9	14.0
130°-140°	989.0	12.4
140°-150°	782.2	9.8
150°-160°	546.2	6.8
160°-170°	309.1	3.9
170°-180°	96.9	1.2
0°-30°	488.4	6.1
0°-40°	812.4	10.2
0°-60°	1529.2	19.1
0°-90°	2038.0	25.5
90°-120°	2113.2	26.4
90°-150°	5000.4	62.6
90°-180°	5952.0	74.5
0°-180°	7990.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	611	611	611	611	611	
5°	619	611	615	611	607	59
15°	598	594	598	598	598	170
25°	566	558	570	570	570	260
35°	510	510	518	522	522	319
45°	437	441	449	506	526	337
55°	348	352	412	437	437	311
65°	247	259	295	299	299	243
75°	138	162	162	166	166	146
85°	40	65	57	53	48	42
90°	8	24	20	4	4	8
95°	32	162	194	40	40	40
105°	178	574	870	1003	1084	189
115°	368	776	1221	1512	1606	367
125°	554	898	1339	1630	1711	496
135°	716	987	1339	1601	1670	551
145°	837	1011	1298	1488	1537	524
155°	922	987	1221	1355	1379	425
165°	995	991	1084	1177	1193	280
175°	1019	1007	1003	1003	995	97
180°	1011	1011	1011	1011	1011	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	610.7	610.7	610.7	610.7	610.7
2.5°	618.7	610.7	614.7	610.7	602.6
5°	618.7	610.7	614.7	610.7	606.6
7.5°	614.7	610.7	610.7	606.6	606.6
10°	614.7	606.6	610.7	606.6	602.6
12.5°	606.6	602.6	606.6	602.6	602.6
15°	598.5	594.5	598.5	598.5	598.5
17.5°	594.5	586.4	594.5	594.5	590.4
20°	582.3	578.3	586.4	586.4	586.4
22.5°	574.3	570.2	578.3	578.3	578.3
25°	566.2	558.1	570.2	570.2	570.2
27.5°	550.0	550.0	558.1	562.1	558.1
30°	537.9	533.8	545.9	550.0	545.9
32.5°	525.7	521.7	533.8	537.9	533.8
35°	509.6	509.6	517.6	521.7	521.7
37.5°	493.4	493.4	501.5	505.5	521.7
40°	477.2	477.2	485.3	509.6	525.7
42.5°	457.0	457.0	469.1	505.5	525.7
45°	436.8	440.8	448.9	505.5	525.7
47.5°	416.5	420.6	440.8	501.5	517.6
50°	392.3	400.4	432.7	489.3	501.5
52.5°	372.1	376.1	420.6	469.1	469.1
55°	347.8	351.8	412.5	436.8	436.8
57.5°	323.5	327.6	392.3	400.4	400.4
60°	299.3	303.3	368.0	368.0	368.0
62.5°	271.0	279.0	331.6	335.7	335.7
65°	246.7	258.8	295.2	299.3	299.3
67.5°	218.4	238.6	262.9	266.9	266.9
70°	194.1	218.4	226.5	230.5	230.5
72.5°	165.8	190.1	194.1	198.2	198.2
75°	137.5	161.8	161.8	165.8	165.8
77.5°	109.2	129.4	133.5	133.5	133.5
80°	84.9	97.1	105.1	101.1	101.1
82.5°	60.7	76.8	76.8	76.8	72.8
85°	40.4	64.7	56.6	52.6	48.5
87.5°	24.3	56.6	32.4	28.3	28.3
90°	8.1	24.3	20.2	4.0	4.0
92.5°	16.2	40.4	20.2	16.2	12.1
95°	32.4	161.8	194.1	40.4	40.4
97.5°	60.7	271.0	416.5	493.4	529.8
100°	93.0	404.4	558.1	683.4	727.9
102.5°	133.5	489.3	687.5	845.2	909.9
105°	177.9	574.3	869.5	1002.9	1083.8
107.5°	222.4	639.0	1011.0	1160.6	1217.3
110°	275.0	691.5	1100.0	1358.8	1375.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	323.5	732.0	1148.5	1455.9	1544.8
115°	368.0	776.5	1221.3	1512.5	1605.5
117.5°	420.6	808.8	1265.8	1544.8	1645.9
120°	469.1	837.1	1298.1	1585.3	1658.1
122.5°	513.6	869.5	1322.4	1617.6	1698.5
125°	554.0	897.8	1338.6	1629.8	1710.6
127.5°	594.5	922.0	1342.6	1633.8	1718.7
130°	639.0	946.3	1350.7	1629.8	1714.7
132.5°	683.4	970.6	1346.7	1617.6	1694.5
135°	715.8	986.7	1338.6	1601.4	1670.2
137.5°	748.1	998.9	1330.5	1577.2	1641.9
140°	776.5	1007.0	1318.4	1548.9	1609.5
142.5°	808.8	1011.0	1310.3	1520.6	1573.1
145°	837.1	1011.0	1298.1	1488.2	1536.7
147.5°	865.4	1007.0	1282.0	1455.9	1496.3
150°	885.6	998.9	1265.8	1423.5	1455.9
152.5°	901.8	990.8	1245.6	1387.1	1419.5
155°	922.0	986.7	1221.3	1354.8	1379.0
157.5°	938.2	986.7	1193.0	1318.4	1342.6
160°	954.4	986.7	1160.6	1282.0	1302.2
162.5°	974.6	986.7	1116.2	1229.4	1249.6
165°	994.8	990.8	1083.8	1176.8	1193.0
167.5°	1007.0	990.8	1051.5	1112.1	1128.3
170°	1015.1	998.9	1023.1	1067.6	1071.7
172.5°	1019.1	1007.0	1002.9	1023.1	1023.1
175°	1019.1	1007.0	1002.9	1002.9	994.8
177.5°	1019.1	1011.0	1011.0	1007.0	994.8
180°	1011.0	1011.0	1011.0	1011.0	1011.0

(END OF REPORT)