

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: P275066

Luminaire Tested: **J3-CL-80L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275066
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 (4000K)
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 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6751.8 lumens
Efficiency: N/A
Efficacy: 107.2 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

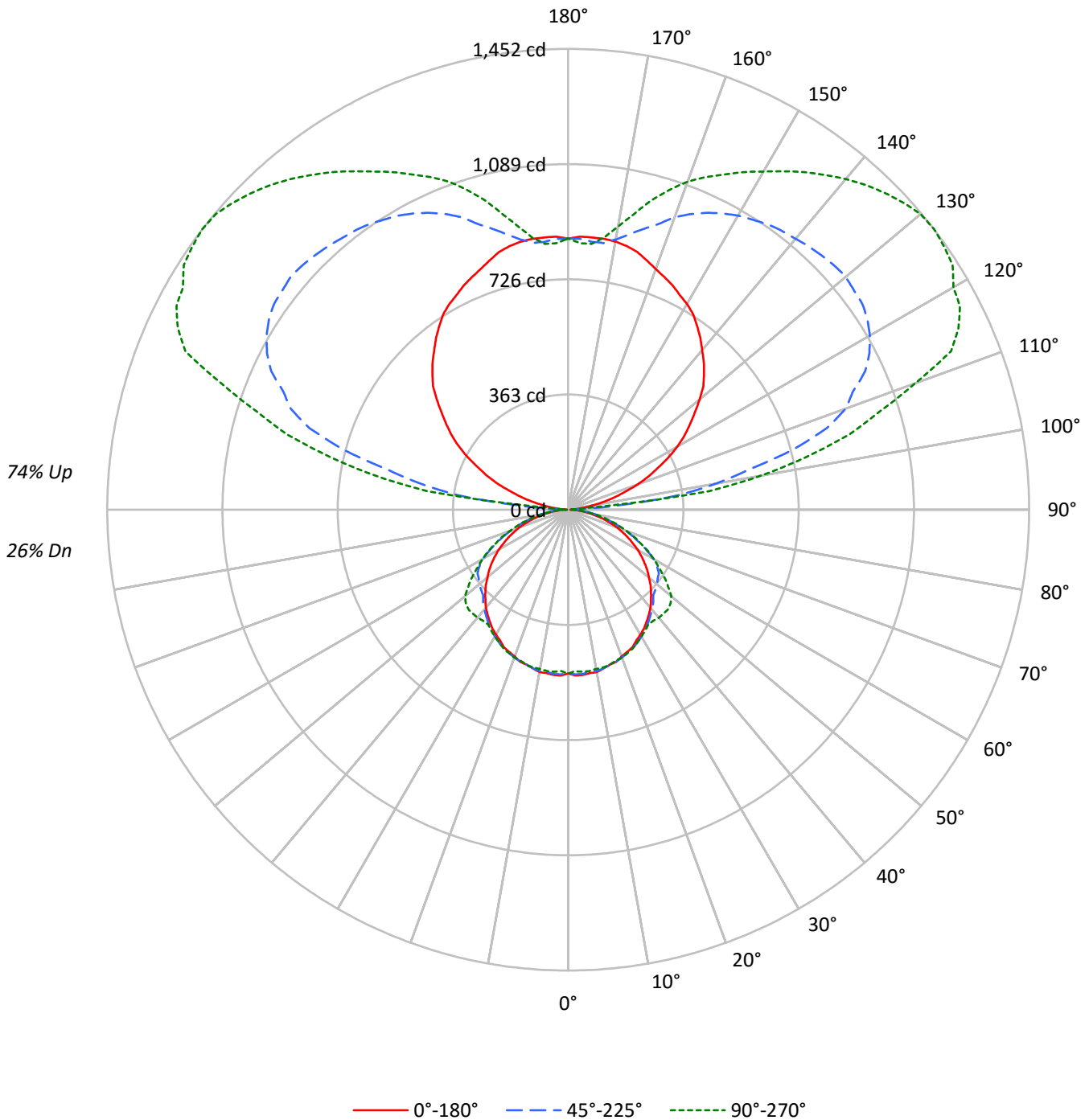
Input Watts (W): 63
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	4166	4166	4166
5°	4237	4209	4154
10°	4258	4230	4174
15°	4227	4227	4227
20°	4228	4257	4257
25°	4261	4292	4292
30°	4237	4300	4300
35°	4244	4311	4344
40°	4249	4322	4681
45°	4213	4330	5071
50°	4163	4592	5321
55°	4137	4905	5194
60°	4083	5021	5021
65°	3981	4766	4831
70°	3871	4518	4598
75°	3624	4264	4370
80°	3338	4128	3970
85°	3168	4428	3798



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.2	0.7
10°-20°	142.8	2.1
20°-30°	220.7	3.3
30°-40°	273.8	4.1
40°-50°	306.3	4.5
50°-60°	299.3	4.4
60°-70°	236.2	3.5
70°-80°	142.9	2.1
80°-90°	50.9	0.8
90°-100°	175.4	2.6
100°-110°	678.2	10.0
110°-120°	932.0	13.8
120°-130°	942.9	14.0
130°-140°	835.7	12.4
140°-150°	660.9	9.8
150°-160°	461.5	6.8
160°-170°	261.2	3.9
170°-180°	81.9	1.2
0°-30°	412.7	6.1
0°-40°	686.5	10.2
0°-60°	1292.1	19.1
0°-90°	1722.1	25.5
90°-120°	1785.7	26.4
90°-150°	4225.2	62.6
90°-180°	5030.0	74.5
0°-180°	6751.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	516	516	516	516	516	
5°	523	516	519	516	513	50
15°	506	502	506	506	506	143
25°	478	472	482	482	482	220
35°	431	431	437	441	441	270
45°	369	372	379	427	444	285
55°	294	297	348	369	369	263
65°	208	219	250	253	253	205
75°	116	137	137	140	140	123
85°	34	55	48	44	41	36
90°	7	20	17	3	3	7
95°	27	137	164	34	34	34
105°	150	485	735	847	916	160
115°	311	656	1032	1278	1357	310
125°	468	759	1131	1377	1445	419
135°	605	834	1131	1353	1411	466
145°	707	854	1097	1258	1298	442
155°	779	834	1032	1145	1165	359
165°	841	837	916	994	1008	236
175°	861	851	847	847	841	82
180°	854	854	854	854	854	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	516.0	516.0	516.0	516.0	516.0
2.5°	522.8	516.0	519.4	516.0	509.2
5°	522.8	516.0	519.4	516.0	512.6
7.5°	519.4	516.0	516.0	512.6	512.6
10°	519.4	512.6	516.0	512.6	509.2
12.5°	512.6	509.2	512.6	509.2	509.2
15°	505.7	502.3	505.7	505.7	505.7
17.5°	502.3	495.5	502.3	502.3	498.9
20°	492.1	488.6	495.5	495.5	495.5
22.5°	485.2	481.8	488.6	488.6	488.6
25°	478.4	471.6	481.8	481.8	481.8
27.5°	464.7	464.7	471.6	475.0	471.6
30°	454.5	451.1	461.3	464.7	461.3
32.5°	444.2	440.8	451.1	454.5	451.1
35°	430.6	430.6	437.4	440.8	440.8
37.5°	416.9	416.9	423.7	427.1	440.8
40°	403.2	403.2	410.1	430.6	444.2
42.5°	386.1	386.1	396.4	427.1	444.2
45°	369.0	372.5	379.3	427.1	444.2
47.5°	352.0	355.4	372.5	423.7	437.4
50°	331.5	338.3	365.6	413.5	423.7
52.5°	314.4	317.8	355.4	396.4	396.4
55°	293.9	297.3	348.5	369.0	369.0
57.5°	273.4	276.8	331.5	338.3	338.3
60°	252.9	256.3	311.0	311.0	311.0
62.5°	228.9	235.8	280.2	283.6	283.6
65°	208.4	218.7	249.5	252.9	252.9
67.5°	184.5	201.6	222.1	225.5	225.5
70°	164.0	184.5	191.4	194.8	194.8
72.5°	140.1	160.6	164.0	167.4	167.4
75°	116.2	136.7	136.7	140.1	140.1
77.5°	92.3	109.3	112.8	112.8	112.8
80°	71.8	82.0	88.8	85.4	85.4
82.5°	51.3	64.9	64.9	64.9	61.5
85°	34.2	54.7	47.8	44.4	41.0
87.5°	20.5	47.8	27.3	23.9	23.9
90°	6.8	20.5	17.1	3.4	3.4
92.5°	13.7	34.2	17.1	13.7	10.3
95°	27.3	136.7	164.0	34.2	34.2
97.5°	51.3	228.9	352.0	416.9	447.6
100°	78.6	341.7	471.6	577.5	615.1
102.5°	112.8	413.5	580.9	714.2	768.9
105°	150.4	485.2	734.7	847.4	915.8
107.5°	187.9	539.9	854.3	980.7	1028.6
110°	232.4	584.3	929.5	1148.2	1161.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	273.4	618.5	970.5	1230.2	1305.3
115°	311.0	656.1	1032.0	1278.0	1356.6
117.5°	355.4	683.4	1069.6	1305.3	1390.8
120°	396.4	707.3	1096.9	1339.5	1401.0
122.5°	434.0	734.7	1117.4	1366.8	1435.2
125°	468.1	758.6	1131.1	1377.1	1445.4
127.5°	502.3	779.1	1134.5	1380.5	1452.3
130°	539.9	799.6	1141.3	1377.1	1448.9
132.5°	577.5	820.1	1137.9	1366.8	1431.8
135°	604.8	833.8	1131.1	1353.2	1411.3
137.5°	632.2	844.0	1124.2	1332.7	1387.4
140°	656.1	850.9	1114.0	1308.8	1360.0
142.5°	683.4	854.3	1107.1	1284.8	1329.3
145°	707.3	854.3	1096.9	1257.5	1298.5
147.5°	731.3	850.9	1083.2	1230.2	1264.3
150°	748.4	844.0	1069.6	1202.8	1230.2
152.5°	762.0	837.2	1052.5	1172.1	1199.4
155°	779.1	833.8	1032.0	1144.7	1165.2
157.5°	792.8	833.8	1008.1	1114.0	1134.5
160°	806.4	833.8	980.7	1083.2	1100.3
162.5°	823.5	833.8	943.1	1038.8	1055.9
165°	840.6	837.2	915.8	994.4	1008.1
167.5°	850.9	837.2	888.5	939.7	953.4
170°	857.7	844.0	864.5	902.1	905.5
172.5°	861.1	850.9	847.4	864.5	864.5
175°	861.1	850.9	847.4	847.4	840.6
177.5°	861.1	854.3	854.3	850.9	840.6
180°	854.3	854.3	854.3	854.3	854.3

(END OF REPORT)