

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: P253325

Luminaire Tested: **J3-CL-20L835-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253325
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-20L835-1D-UNV-STD-W-4
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
Light Source: (224) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

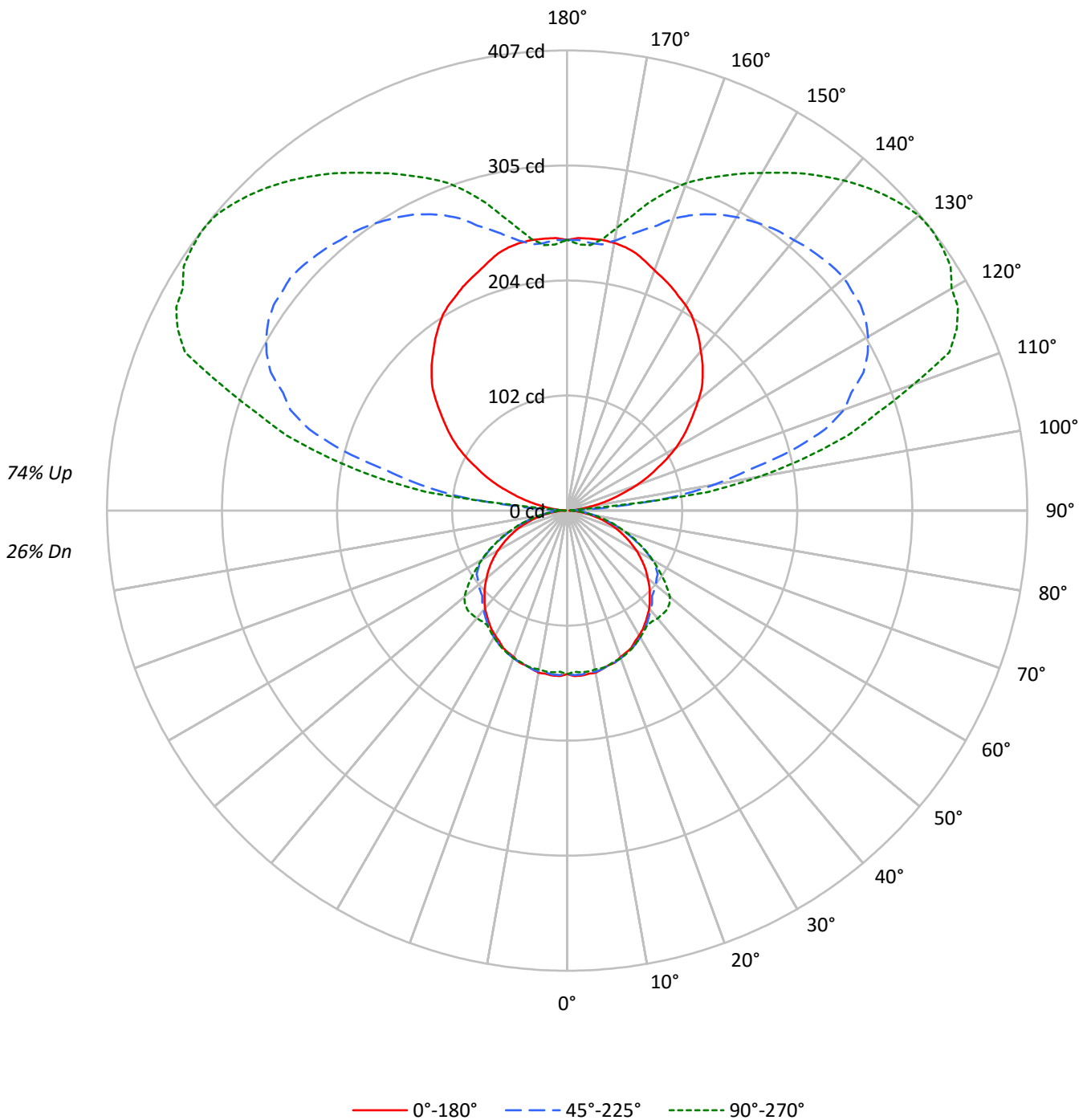
Lumens per Lamp: N/A
Luminaire Lumens: 1892.2 lumens
Efficiency: N/A
Efficacy: 147.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 12.8
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°	1167	1167	1167
5°	1187	1180	1164
10°	1194	1185	1170
15°	1184	1184	1184
20°	1185	1193	1193
25°	1194	1203	1203
30°	1188	1205	1205
35°	1190	1208	1217
40°	1191	1211	1312
45°	1181	1214	1421
50°	1167	1287	1491
55°	1160	1375	1455
60°	1145	1406	1406
65°	1116	1335	1354
70°	1086	1265	1289
75°	1017	1195	1226
80°	934	1158	1111
85°	889	1241	1065



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	0.7
10°-20°	40.0	2.1
20°-30°	61.8	3.3
30°-40°	76.7	4.1
40°-50°	85.8	4.5
50°-60°	83.9	4.4
60°-70°	66.2	3.5
70°-80°	40.0	2.1
80°-90°	14.3	0.8
90°-100°	49.2	2.6
100°-110°	190.1	10.0
110°-120°	261.2	13.8
120°-130°	264.3	14.0
130°-140°	234.2	12.4
140°-150°	185.2	9.8
150°-160°	129.3	6.8
160°-170°	73.2	3.9
170°-180°	22.9	1.2
0°-30°	115.7	6.1
0°-40°	192.4	10.2
0°-60°	362.1	19.1
0°-90°	482.6	25.5
90°-120°	500.4	26.4
90°-150°	1184.1	62.6
90°-180°	1410.0	74.5
0°-180°	1892.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	145	145	145	145	145	
5°	146	145	146	145	144	14
15°	142	141	142	142	142	40
25°	134	132	135	135	135	62
35°	121	121	123	124	124	76
45°	103	104	106	120	124	80
55°	82	83	98	103	103	74
65°	58	61	70	71	71	58
75°	33	38	38	39	39	35
85°	10	15	13	12	12	10
90°	2	6	5	1	1	2
95°	8	38	46	10	10	10
105°	42	136	206	238	257	45
115°	87	184	289	358	380	87
125°	131	213	317	386	405	117
135°	170	234	317	379	396	131
145°	198	239	307	352	364	124
155°	218	234	289	321	327	101
165°	236	235	257	279	282	66
175°	241	238	238	238	236	23
180°	239	239	239	239	239	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	144.6	144.6	144.6	144.6	144.6
2.5°	146.5	144.6	145.6	144.6	142.7
5°	146.5	144.6	145.6	144.6	143.6
7.5°	145.6	144.6	144.6	143.6	143.6
10°	145.6	143.6	144.6	143.6	142.7
12.5°	143.6	142.7	143.6	142.7	142.7
15°	141.7	140.8	141.7	141.7	141.7
17.5°	140.8	138.9	140.8	140.8	139.8
20°	137.9	136.9	138.9	138.9	138.9
22.5°	136.0	135.0	136.9	136.9	136.9
25°	134.1	132.2	135.0	135.0	135.0
27.5°	130.2	130.2	132.2	133.1	132.2
30°	127.4	126.4	129.3	130.2	129.3
32.5°	124.5	123.5	126.4	127.4	126.4
35°	120.7	120.7	122.6	123.5	123.5
37.5°	116.8	116.8	118.7	119.7	123.5
40°	113.0	113.0	114.9	120.7	124.5
42.5°	108.2	108.2	111.1	119.7	124.5
45°	103.4	104.4	106.3	119.7	124.5
47.5°	98.6	99.6	104.4	118.7	122.6
50°	92.9	94.8	102.5	115.9	118.7
52.5°	88.1	89.1	99.6	111.1	111.1
55°	82.4	83.3	97.7	103.4	103.4
57.5°	76.6	77.6	92.9	94.8	94.8
60°	70.9	71.8	87.1	87.1	87.1
62.5°	64.2	66.1	78.5	79.5	79.5
65°	58.4	61.3	69.9	70.9	70.9
67.5°	51.7	56.5	62.2	63.2	63.2
70°	46.0	51.7	53.6	54.6	54.6
72.5°	39.3	45.0	46.0	46.9	46.9
75°	32.6	38.3	38.3	39.3	39.3
77.5°	25.9	30.6	31.6	31.6	31.6
80°	20.1	23.0	24.9	23.9	23.9
82.5°	14.4	18.2	18.2	18.2	17.2
85°	9.6	15.3	13.4	12.4	11.5
87.5°	5.7	13.4	7.7	6.7	6.7
90°	1.9	5.7	4.8	1.0	1.0
92.5°	3.8	9.6	4.8	3.8	2.9
95°	7.7	38.3	46.0	9.6	9.6
97.5°	14.4	64.2	98.6	116.8	125.5
100°	22.0	95.8	132.2	161.8	172.4
102.5°	31.6	115.9	162.8	200.2	215.5
105°	42.1	136.0	205.9	237.5	256.7
107.5°	52.7	151.3	239.4	274.8	288.3
110°	65.1	163.8	260.5	321.8	325.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	76.6	173.3	272.0	344.8	365.8
115°	87.1	183.9	289.2	358.2	380.2
117.5°	99.6	191.5	299.7	365.8	389.8
120°	111.1	198.2	307.4	375.4	392.6
122.5°	121.6	205.9	313.2	383.1	402.2
125°	131.2	212.6	317.0	385.9	405.1
127.5°	140.8	218.3	317.9	386.9	407.0
130°	151.3	224.1	319.9	385.9	406.0
132.5°	161.8	229.8	318.9	383.1	401.3
135°	169.5	233.7	317.0	379.2	395.5
137.5°	177.2	236.5	315.1	373.5	388.8
140°	183.9	238.5	312.2	366.8	381.1
142.5°	191.5	239.4	310.3	360.1	372.5
145°	198.2	239.4	307.4	352.4	363.9
147.5°	204.9	238.5	303.6	344.8	354.3
150°	209.7	236.5	299.7	337.1	344.8
152.5°	213.6	234.6	295.0	328.5	336.1
155°	218.3	233.7	289.2	320.8	326.6
157.5°	222.2	233.7	282.5	312.2	317.9
160°	226.0	233.7	274.8	303.6	308.4
162.5°	230.8	233.7	264.3	291.1	295.9
165°	235.6	234.6	256.7	278.7	282.5
167.5°	238.5	234.6	249.0	263.4	267.2
170°	240.4	236.5	242.3	252.8	253.8
172.5°	241.3	238.5	237.5	242.3	242.3
175°	241.3	238.5	237.5	237.5	235.6
177.5°	241.3	239.4	239.4	238.5	235.6
180°	239.4	239.4	239.4	239.4	239.4

(END OF REPORT)