

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: P253329

Luminaire Tested: **J3-CL-60L835-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253329
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-60L835-1D-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

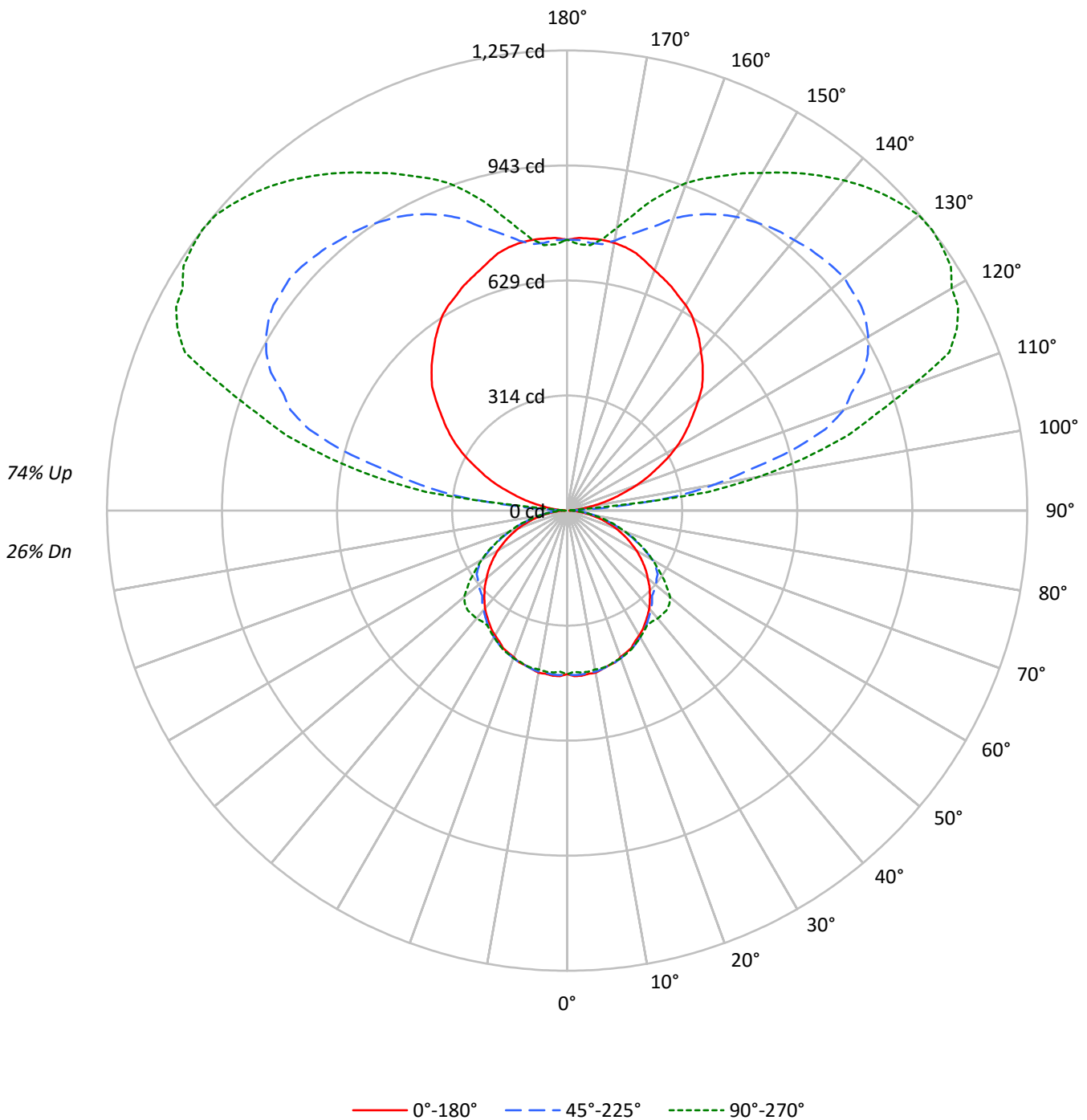
Lumens per Lamp: N/A
Luminaire Lumens: 5845.9 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 41.3
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°	3607	3607	3607
5°	3669	3644	3596
10°	3686	3663	3613
15°	3660	3660	3660
20°	3660	3686	3686
25°	3689	3716	3716
30°	3668	3723	3723
35°	3674	3732	3762
40°	3679	3741	4053
45°	3648	3749	4391
50°	3605	3976	4608
55°	3581	4248	4497
60°	3534	4346	4346
65°	3448	4126	4181
70°	3352	3911	3980
75°	3138	3690	3784
80°	2887	3575	3440
85°	2742	3835	3288



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.6	0.7
10°-20°	123.6	2.1
20°-30°	191.1	3.3
30°-40°	237.0	4.1
40°-50°	265.2	4.5
50°-60°	259.2	4.4
60°-70°	204.5	3.5
70°-80°	123.7	2.1
80°-90°	44.1	0.8
90°-100°	151.8	2.6
100°-110°	587.2	10.0
110°-120°	807.0	13.8
120°-130°	816.4	14.0
130°-140°	723.6	12.4
140°-150°	572.3	9.8
150°-160°	399.6	6.8
160°-170°	226.1	3.9
170°-180°	70.9	1.2
0°-30°	357.3	6.1
0°-40°	594.4	10.2
0°-60°	1118.8	19.1
0°-90°	1491.0	25.5
90°-120°	1546.1	26.4
90°-150°	3658.3	62.6
90°-180°	4355.0	74.5
0°-180°	5845.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	447	447	447	447	447	
5°	453	447	450	447	444	43
15°	438	435	438	438	438	124
25°	414	408	417	417	417	190
35°	373	373	379	382	382	233
45°	320	322	328	370	385	247
55°	254	257	302	320	320	227
65°	180	189	216	219	219	178
75°	101	118	118	121	121	106
85°	30	47	41	38	36	31
90°	6	18	15	3	3	6
95°	24	118	142	30	30	29
105°	130	420	636	734	793	138
115°	269	568	894	1106	1175	269
125°	405	657	979	1192	1252	363
135°	524	722	979	1172	1222	403
145°	612	740	950	1089	1124	383
155°	675	722	894	991	1009	311
165°	728	725	793	861	873	205
175°	746	737	734	734	728	71
180°	740	740	740	740	740	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	446.8	446.8	446.8	446.8	446.8
2.5°	452.7	446.8	449.7	446.8	440.8
5°	452.7	446.8	449.7	446.8	443.8
7.5°	449.7	446.8	446.8	443.8	443.8
10°	449.7	443.8	446.8	443.8	440.8
12.5°	443.8	440.8	443.8	440.8	440.8
15°	437.9	434.9	437.9	437.9	437.9
17.5°	434.9	429.0	434.9	434.9	432.0
20°	426.0	423.1	429.0	429.0	429.0
22.5°	420.1	417.2	423.1	423.1	423.1
25°	414.2	408.3	417.2	417.2	417.2
27.5°	402.4	402.4	408.3	411.3	408.3
30°	393.5	390.5	399.4	402.4	399.4
32.5°	384.6	381.7	390.5	393.5	390.5
35°	372.8	372.8	378.7	381.7	381.7
37.5°	361.0	361.0	366.9	369.8	381.7
40°	349.1	349.1	355.0	372.8	384.6
42.5°	334.3	334.3	343.2	369.8	384.6
45°	319.5	322.5	328.4	369.8	384.6
47.5°	304.7	307.7	322.5	366.9	378.7
50°	287.0	292.9	316.6	358.0	366.9
52.5°	272.2	275.2	307.7	343.2	343.2
55°	254.4	257.4	301.8	319.5	319.5
57.5°	236.7	239.7	287.0	292.9	292.9
60°	218.9	221.9	269.2	269.2	269.2
62.5°	198.2	204.1	242.6	245.6	245.6
65°	180.5	189.4	216.0	218.9	218.9
67.5°	159.8	174.6	192.3	195.3	195.3
70°	142.0	159.8	165.7	168.6	168.6
72.5°	121.3	139.1	142.0	145.0	145.0
75°	100.6	118.3	118.3	121.3	121.3
77.5°	79.9	94.7	97.6	97.6	97.6
80°	62.1	71.0	76.9	74.0	74.0
82.5°	44.4	56.2	56.2	56.2	53.3
85°	29.6	47.3	41.4	38.5	35.5
87.5°	17.8	41.4	23.7	20.7	20.7
90°	5.9	17.8	14.8	3.0	3.0
92.5°	11.8	29.6	14.8	11.8	8.9
95°	23.7	118.3	142.0	29.6	29.6
97.5°	44.4	198.2	304.7	361.0	387.6
100°	68.0	295.9	408.3	500.0	532.6
102.5°	97.6	358.0	503.0	618.4	665.7
105°	130.2	420.1	636.1	733.7	792.9
107.5°	162.7	467.5	739.7	849.1	890.6
110°	201.2	505.9	804.8	994.1	1005.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	236.7	535.5	840.3	1065.1	1130.2
115°	269.2	568.1	893.5	1106.5	1174.6
117.5°	307.7	591.7	926.1	1130.2	1204.2
120°	343.2	612.4	949.7	1159.8	1213.1
122.5°	375.7	636.1	967.5	1183.5	1242.6
125°	405.3	656.8	979.3	1192.3	1251.5
127.5°	434.9	674.6	982.3	1195.3	1257.4
130°	467.5	692.3	988.2	1192.3	1254.5
132.5°	500.0	710.1	985.2	1183.5	1239.7
135°	523.7	721.9	979.3	1171.6	1221.9
137.5°	547.4	730.8	973.4	1153.9	1201.2
140°	568.1	736.7	964.5	1133.2	1177.5
142.5°	591.7	739.7	958.6	1112.5	1150.9
145°	612.4	739.7	949.7	1088.8	1124.3
147.5°	633.2	736.7	937.9	1065.1	1094.7
150°	647.9	730.8	926.1	1041.4	1065.1
152.5°	659.8	724.9	911.3	1014.8	1038.5
155°	674.6	721.9	893.5	991.2	1008.9
157.5°	686.4	721.9	872.8	964.5	982.3
160°	698.2	721.9	849.1	937.9	952.7
162.5°	713.0	721.9	816.6	899.4	914.2
165°	727.8	724.9	792.9	861.0	872.8
167.5°	736.7	724.9	769.3	813.6	825.5
170°	742.6	730.8	748.5	781.1	784.0
172.5°	745.6	736.7	733.7	748.5	748.5
175°	745.6	736.7	733.7	733.7	727.8
177.5°	745.6	739.7	739.7	736.7	727.8
180°	739.7	739.7	739.7	739.7	739.7

(END OF REPORT)