

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: P253326

Luminaire Tested: **J3-CL-30L835-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253326
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-30L835-1D-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

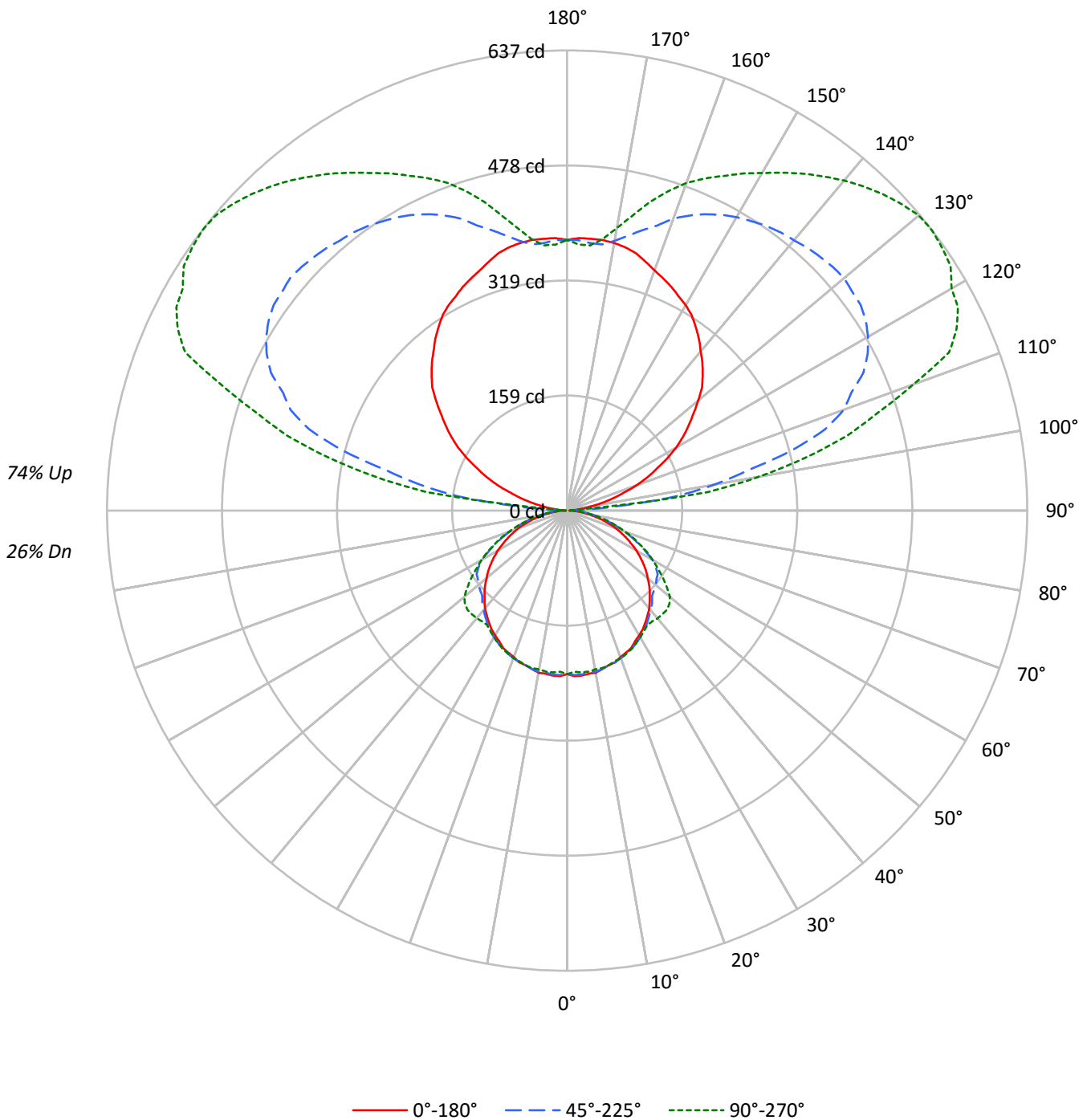
Lumens per Lamp: N/A
Luminaire Lumens: 2960.9 lumens
Efficiency: N/A
Efficacy: 150.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 19.7
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°	1827	1827	1827
5°	1858	1846	1822
10°	1867	1855	1830
15°	1854	1854	1854
20°	1854	1867	1867
25°	1869	1882	1882
30°	1858	1886	1886
35°	1861	1890	1905
40°	1863	1895	2053
45°	1847	1899	2224
50°	1826	2013	2334
55°	1814	2152	2277
60°	1791	2202	2202
65°	1746	2090	2118
70°	1697	1980	2016
75°	1591	1868	1915
80°	1464	1813	1743
85°	1389	1945	1667



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.6	0.7
10°-20°	62.6	2.1
20°-30°	96.8	3.3
30°-40°	120.0	4.1
40°-50°	134.3	4.5
50°-60°	131.3	4.4
60°-70°	103.6	3.5
70°-80°	62.7	2.1
80°-90°	22.3	0.8
90°-100°	76.9	2.6
100°-110°	297.4	10.0
110°-120°	408.7	13.8
120°-130°	413.5	14.0
130°-140°	366.5	12.4
140°-150°	289.8	9.8
150°-160°	202.4	6.8
160°-170°	114.5	3.9
170°-180°	35.9	1.2
0°-30°	181.0	6.1
0°-40°	301.0	10.2
0°-60°	566.6	19.1
0°-90°	755.2	25.5
90°-120°	783.1	26.4
90°-150°	1852.9	62.6
90°-180°	2206.0	74.5
0°-180°	2960.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	226	226	226	226	226	
5°	229	226	228	226	225	22
15°	222	220	222	222	222	63
25°	210	207	211	211	211	96
35°	189	189	192	193	193	118
45°	162	163	166	187	195	125
55°	129	130	153	162	162	115
65°	91	96	109	111	111	90
75°	51	60	60	61	61	54
85°	15	24	21	20	18	16
90°	3	9	8	2	2	3
95°	12	60	72	15	15	15
105°	66	213	322	372	402	70
115°	136	288	453	560	595	136
125°	205	333	496	604	634	184
135°	265	366	496	593	619	204
145°	310	375	481	552	569	194
155°	342	366	453	502	511	158
165°	369	367	402	436	442	104
175°	378	373	372	372	369	36
180°	375	375	375	375	375	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	226.3	226.3	226.3	226.3	226.3
2.5°	229.3	226.3	227.8	226.3	223.3
5°	229.3	226.3	227.8	226.3	224.8
7.5°	227.8	226.3	226.3	224.8	224.8
10°	227.8	224.8	226.3	224.8	223.3
12.5°	224.8	223.3	224.8	223.3	223.3
15°	221.8	220.3	221.8	221.8	221.8
17.5°	220.3	217.3	220.3	220.3	218.8
20°	215.8	214.3	217.3	217.3	217.3
22.5°	212.8	211.3	214.3	214.3	214.3
25°	209.8	206.8	211.3	211.3	211.3
27.5°	203.8	203.8	206.8	208.3	206.8
30°	199.3	197.8	202.3	203.8	202.3
32.5°	194.8	193.3	197.8	199.3	197.8
35°	188.8	188.8	191.8	193.3	193.3
37.5°	182.8	182.8	185.8	187.3	193.3
40°	176.8	176.8	179.8	188.8	194.8
42.5°	169.3	169.3	173.8	187.3	194.8
45°	161.8	163.3	166.3	187.3	194.8
47.5°	154.3	155.8	163.3	185.8	191.8
50°	145.4	148.4	160.3	181.3	185.8
52.5°	137.9	139.4	155.8	173.8	173.8
55°	128.9	130.4	152.9	161.8	161.8
57.5°	119.9	121.4	145.4	148.4	148.4
60°	110.9	112.4	136.4	136.4	136.4
62.5°	100.4	103.4	122.9	124.4	124.4
65°	91.4	95.9	109.4	110.9	110.9
67.5°	80.9	88.4	97.4	98.9	98.9
70°	71.9	80.9	83.9	85.4	85.4
72.5°	61.4	70.4	71.9	73.4	73.4
75°	51.0	59.9	59.9	61.4	61.4
77.5°	40.5	48.0	49.5	49.5	49.5
80°	31.5	36.0	39.0	37.5	37.5
82.5°	22.5	28.5	28.5	28.5	27.0
85°	15.0	24.0	21.0	19.5	18.0
87.5°	9.0	21.0	12.0	10.5	10.5
90°	3.0	9.0	7.5	1.5	1.5
92.5°	6.0	15.0	7.5	6.0	4.5
95°	12.0	59.9	71.9	15.0	15.0
97.5°	22.5	100.4	154.3	182.8	196.3
100°	34.5	149.9	206.8	253.3	269.7
102.5°	49.5	181.3	254.8	313.2	337.2
105°	65.9	212.8	322.2	371.6	401.6
107.5°	82.4	236.8	374.6	430.1	451.1
110°	101.9	256.3	407.6	503.5	509.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	119.9	271.2	425.6	539.5	572.4
115°	136.4	287.7	452.6	560.5	594.9
117.5°	155.8	299.7	469.0	572.4	609.9
120°	173.8	310.2	481.0	587.4	614.4
122.5°	190.3	322.2	490.0	599.4	629.4
125°	205.3	332.7	496.0	603.9	633.9
127.5°	220.3	341.7	497.5	605.4	636.9
130°	236.8	350.7	500.5	603.9	635.4
132.5°	253.3	359.7	499.0	599.4	627.9
135°	265.2	365.6	496.0	593.4	618.9
137.5°	277.2	370.1	493.0	584.4	608.4
140°	287.7	373.1	488.5	573.9	596.4
142.5°	299.7	374.6	485.5	563.5	582.9
145°	310.2	374.6	481.0	551.5	569.4
147.5°	320.7	373.1	475.0	539.5	554.5
150°	328.2	370.1	469.0	527.5	539.5
152.5°	334.2	367.1	461.6	514.0	526.0
155°	341.7	365.6	452.6	502.0	511.0
157.5°	347.7	365.6	442.1	488.5	497.5
160°	353.7	365.6	430.1	475.0	482.5
162.5°	361.1	365.6	413.6	455.6	463.0
165°	368.6	367.1	401.6	436.1	442.1
167.5°	373.1	367.1	389.6	412.1	418.1
170°	376.1	370.1	379.1	395.6	397.1
172.5°	377.6	373.1	371.6	379.1	379.1
175°	377.6	373.1	371.6	371.6	368.6
177.5°	377.6	374.6	374.6	373.1	368.6
180°	374.6	374.6	374.6	374.6	374.6

(END OF REPORT)