

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: P253347

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253347
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-FL-60L835-1D-UNV-STD-W-4
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.
Light Source: (224) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

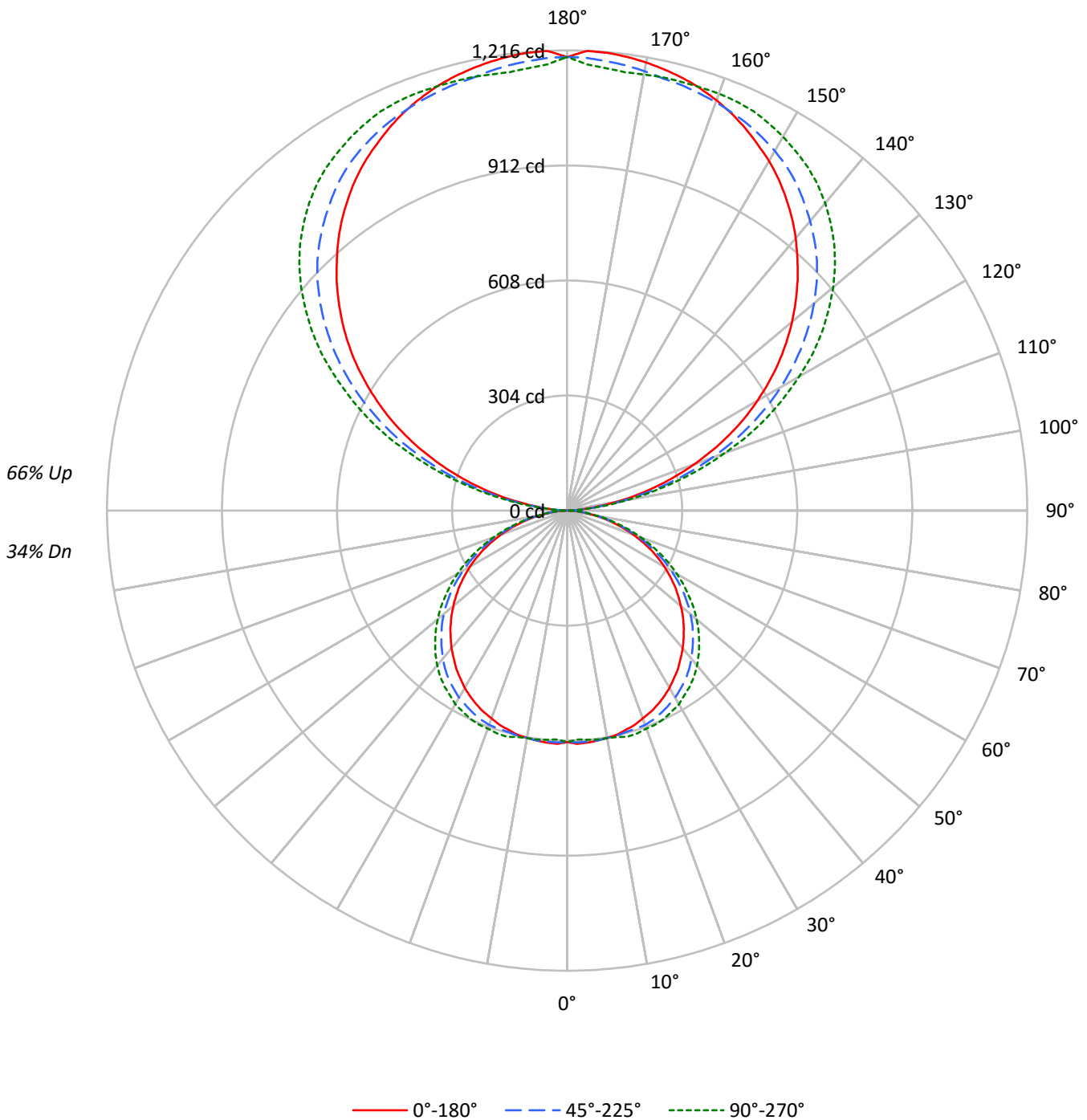
Lumens per Lamp: N/A
Luminaire Lumens: 5850.1 lumens
Efficiency: N/A
Efficacy: 141.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	94	90	86	82	85	81	78	75	65	62	60	50	48	47	36	35	34	28
2	85	78	72	67	77	71	65	61	56	53	50	43	41	39	31	30	29	23
3	78	68	61	55	70	62	56	51	50	45	41	38	35	33	28	26	24	19
4	71	60	52	47	64	55	48	43	44	39	35	34	30	28	25	22	21	16
5	65	53	45	40	58	48	42	36	39	34	30	30	27	24	22	20	18	14
6	60	48	40	34	53	43	36	31	35	30	26	27	23	21	20	17	15	12
7	55	43	35	30	49	39	32	27	32	26	23	25	21	18	18	16	14	11
8	51	39	31	26	46	35	29	24	29	24	20	22	19	16	16	14	12	10
9	47	35	28	23	43	32	26	21	26	21	18	20	17	14	15	13	11	9
10	44	32	25	20	40	29	23	19	24	19	16	19	15	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4938	4938	4938
5°	4989	4968	4925
10°	5003	5003	5003
15°	5013	5058	5169
20°	5018	5177	5267
25°	5041	5251	5403
30°	5042	5324	5508
35°	5032	5368	5577
40°	5009	5381	5630
45°	4977	5366	5635
50°	4930	5343	5606
55°	4877	5268	5524
60°	4787	5131	5406
65°	4638	4938	5219
70°	4369	4650	4893
75°	4011	4261	4463
80°	3482	3724	3854
85°	2788	2899	3047



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.4	1.0
10°-20°	171.6	2.9
20°-30°	270.3	4.6
30°-40°	337.8	5.8
40°-50°	360.0	6.2
50°-60°	332.0	5.7
60°-70°	255.0	4.4
70°-80°	144.5	2.5
80°-90°	38.1	0.7
90°-100°	61.3	1.0
100°-110°	288.6	4.9
110°-120°	523.1	8.9
120°-130°	671.9	11.5
130°-140°	714.8	12.2
140°-150°	657.7	11.2
150°-160°	520.8	8.9
160°-170°	330.7	5.7
170°-180°	113.4	1.9
0°-30°	500.3	8.6
0°-40°	838.1	14.3
0°-60°	1530.1	26.2
0°-90°	1967.6	33.6
90°-120°	873.1	14.9
90°-150°	2917.6	49.9
90°-180°	3883.0	66.4
0°-180°	5850.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	612	612	612	612	612	
5°	616	610	613	612	608	59
15°	600	597	605	616	618	169
25°	566	567	590	601	607	261
35°	511	520	545	558	566	319
45°	436	448	470	484	494	336
55°	346	357	374	386	392	309
65°	243	248	258	268	273	240
75°	129	131	137	142	143	137
85°	30	31	31	33	33	34
90°	1	1	1	0	0	4
95°	41	42	46	49	51	53
105°	242	252	276	293	301	256
115°	472	492	534	567	583	466
125°	683	704	758	799	822	609
135°	861	874	933	974	998	664
145°	1008	1004	1056	1088	1108	631
155°	1115	1099	1128	1151	1164	514
165°	1183	1164	1164	1168	1172	334
175°	1214	1200	1192	1183	1174	115
180°	1199	1199	1199	1199	1199	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	611.7	611.7	611.7	611.7	611.7
2.5°	617.1	611.7	613.1	613.1	605.2
5°	615.7	610.3	613.1	611.7	607.7
7.5°	613.1	609.1	613.1	613.1	610.3
10°	610.3	606.6	610.3	611.7	610.3
12.5°	606.6	602.6	609.1	611.7	613.1
15°	599.8	597.2	605.2	615.7	618.5
17.5°	593.5	592.1	604.0	615.7	617.1
20°	584.1	584.1	602.6	611.7	613.1
22.5°	576.4	576.4	597.2	606.6	611.7
25°	565.9	567.1	589.5	601.4	606.6
27.5°	554.0	558.0	580.2	593.5	598.6
30°	540.9	547.5	571.1	584.1	590.9
32.5°	525.3	534.2	558.0	571.1	577.6
35°	510.6	519.9	544.7	558.0	565.9
37.5°	492.4	504.1	529.0	542.1	551.5
40°	475.3	487.2	510.6	525.3	534.2
42.5°	455.5	468.6	491.0	505.5	514.6
45°	435.9	447.6	470.0	484.4	493.6
47.5°	414.9	426.8	449.2	462.3	471.1
50°	392.5	405.5	425.4	438.5	446.4
52.5°	370.0	382.0	400.4	413.7	421.4
55°	346.5	357.0	374.3	386.2	392.5
57.5°	321.5	332.0	346.5	358.4	364.9
60°	296.5	304.4	317.8	329.4	334.8
62.5°	270.4	277.1	288.8	298.1	304.4
65°	242.8	248.2	258.5	267.8	273.2
67.5°	214.1	219.2	228.3	236.3	240.2
70°	185.1	190.3	197.0	203.4	207.3
72.5°	157.4	160.2	166.7	172.1	174.6
75°	128.6	131.2	136.6	141.7	143.1
77.5°	102.5	103.7	107.9	110.4	111.6
80°	74.9	77.5	80.1	81.2	82.9
82.5°	51.1	52.5	53.7	55.1	56.3
85°	30.1	31.3	31.3	32.9	32.9
87.5°	13.1	14.5	14.5	14.5	14.5
90°	1.4	1.4	1.4	0.0	0.0
92.5°	13.1	13.1	14.5	15.6	17.0
95°	40.6	42.0	46.0	48.6	51.1
97.5°	81.2	84.0	91.8	98.5	101.1
100°	131.2	136.6	148.5	157.4	161.6
102.5°	185.1	192.8	210.1	223.2	229.7
105°	241.6	252.1	275.7	292.8	300.7
107.5°	299.3	312.6	342.7	362.3	372.8
110°	357.0	374.3	406.9	433.1	441.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	414.9	433.1	472.5	501.5	516.0
115°	472.5	492.4	534.2	567.1	583.0
117.5°	527.9	548.7	594.6	631.5	645.8
120°	580.2	602.6	652.5	690.6	707.6
122.5°	632.7	653.9	706.2	746.9	768.1
125°	682.7	703.7	757.6	799.4	821.8
127.5°	730.1	749.4	806.2	849.4	870.4
130°	775.8	794.3	851.9	894.2	917.8
132.5°	819.2	836.3	894.2	934.8	959.8
135°	861.3	874.3	933.4	974.0	997.8
137.5°	900.5	909.8	967.7	1008.4	1030.8
140°	939.9	942.7	999.0	1037.1	1060.6
142.5°	975.4	974.0	1028.0	1064.6	1087.0
145°	1008.4	1004.4	1055.5	1088.2	1108.0
147.5°	1039.6	1030.8	1079.1	1106.9	1125.1
150°	1067.2	1055.5	1097.5	1125.1	1140.7
152.5°	1090.8	1077.7	1113.2	1138.2	1153.8
155°	1114.6	1098.9	1127.7	1151.2	1164.5
157.5°	1135.6	1115.7	1138.2	1159.2	1169.9
160°	1153.8	1134.4	1148.7	1164.5	1172.5
162.5°	1169.9	1150.1	1156.6	1165.7	1172.5
165°	1183.0	1164.5	1164.5	1168.3	1172.5
167.5°	1193.3	1177.6	1169.9	1171.1	1172.5
170°	1202.6	1186.7	1178.8	1171.1	1169.9
172.5°	1209.1	1193.3	1186.7	1176.2	1168.3
175°	1214.3	1200.0	1191.9	1183.0	1173.6
177.5°	1215.7	1203.8	1197.2	1188.1	1180.2
180°	1198.6	1198.6	1198.6	1198.6	1198.6

(END OF REPORT)