

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: P253296

Luminaire Tested: **J2-WL-40L835-1D-UNV-STD-DLED-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253296
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-40L835-1D-UNV-STD-DLED-W-4
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS WITH DOWNLIGHT KIT.
Light Source: (112) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3752.0 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.17 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

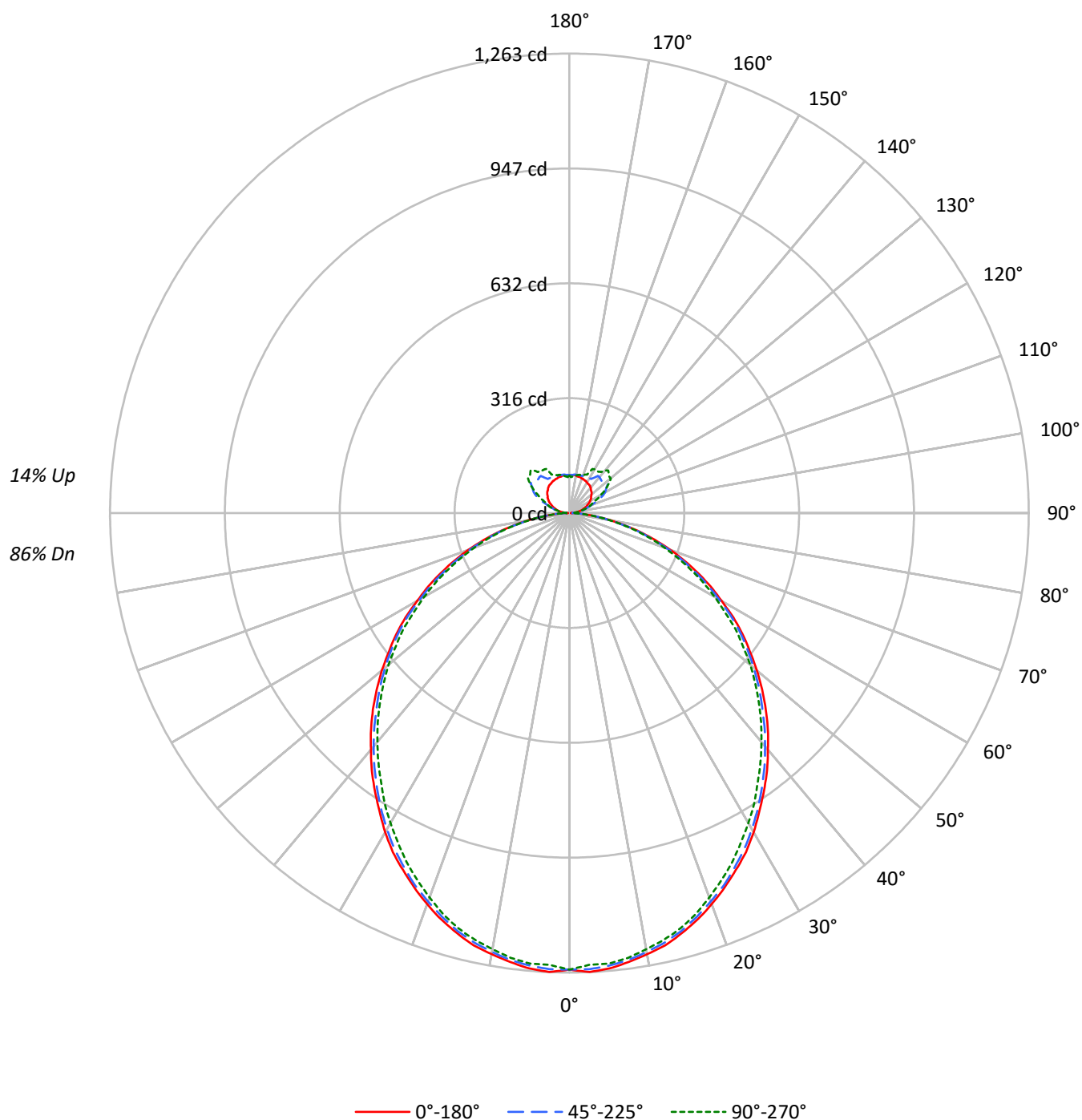
Input Watts (W): 32.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		0
RCR																	
0	116	116	116	116	112	112	112	112	104	104	104		96	96	96		86
1	106	101	97	94	102	98	94	91	91	88	85		85	83	80		73
2	97	89	82	77	93	86	80	75	80	75	71		75	71	67		61
3	88	78	70	64	85	75	68	62	71	65	60		66	61	57		52
4	81	69	61	54	77	67	59	53	63	56	51		59	53	49		44
5	74	62	53	47	71	60	52	46	56	49	44		53	47	42		38
6	69	56	47	41	66	54	46	40	51	44	39		48	42	37		34
7	64	51	42	36	61	49	41	36	46	39	34		44	38	33		30
8	59	46	38	32	57	45	37	32	42	36	31		40	34	30		27
9	55	42	34	29	53	41	34	29	39	32	28		37	31	27		24
10	52	39	31	26	50	38	31	26	36	30	25		34	29	24		22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10130	10130	10130
5°	10184	10120	10072
10°	10091	10043	9978
15°	9991	9941	9875
20°	9827	9759	9657
25°	9643	9573	9431
30°	9446	9354	9169
35°	9187	9089	8894
40°	8947	8823	8655
45°	8721	8541	8405
50°	8451	8302	8153
55°	8190	8077	7855
60°	7797	7669	7445
65°	7448	7259	7032
70°	6961	6774	6541
75°	6298	6173	5989
80°	5337	5244	5151
85°	4029	4215	4029



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.2	3.2
10°-20°	333.9	8.9
20°-30°	492.5	13.1
30°-40°	574.1	15.3
40°-50°	577.2	15.4
50°-60°	508.3	13.5
60°-70°	375.2	10.0
70°-80°	207.9	5.5
80°-90°	54.1	1.4
90°-100°	19.2	0.5
100°-110°	49.6	1.3
110°-120°	80.5	2.1
120°-130°	100.6	2.7
130°-140°	94.5	2.5
140°-150°	74.5	2.0
150°-160°	51.3	1.4
160°-170°	30.3	0.8
170°-180°	10.0	0.3
0°-30°	944.7	25.2
0°-40°	1518.8	40.5
0°-60°	2604.2	69.4
0°-90°	3241.4	86.4
90°-120°	149.4	4.0
90°-150°	419.0	11.2
90°-180°	511.0	13.6
0°-180°	3752.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1255	1255	1255	1255	1255	
5°	1257	1243	1249	1245	1243	119
15°	1195	1184	1189	1184	1182	337
25°	1083	1073	1075	1061	1059	499
35°	932	924	922	906	902	583
45°	764	756	748	738	736	589
55°	582	576	574	562	558	519
65°	390	386	380	372	368	386
75°	202	200	198	192	192	214
85°	44	46	46	44	44	51
90°	4	8	8	8	8	5
95°	14	16	18	18	18	15
105°	38	52	46	50	46	40
115°	55	89	91	79	77	56
125°	73	101	125	129	127	65
135°	85	95	125	154	152	66
145°	95	99	119	137	138	59
155°	99	103	109	117	117	46
165°	103	103	109	111	109	29
175°	105	105	105	105	101	10
180°	103	103	103	103	103	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1254.8	1254.8	1254.8	1254.8	1254.8
2.5°	1262.7	1248.8	1254.8	1250.8	1242.9
5°	1256.7	1242.9	1248.8	1244.9	1242.9
7.5°	1244.9	1233.0	1238.9	1235.0	1233.0
10°	1231.0	1219.1	1225.1	1219.1	1217.2
12.5°	1217.2	1203.3	1209.2	1201.3	1201.3
15°	1195.4	1183.5	1189.4	1183.5	1181.5
17.5°	1171.6	1159.8	1163.7	1157.8	1155.8
20°	1143.9	1132.1	1136.0	1128.1	1124.1
22.5°	1114.2	1104.3	1108.3	1094.5	1092.5
25°	1082.6	1072.7	1074.7	1060.8	1058.8
27.5°	1050.9	1037.1	1041.0	1025.2	1021.2
30°	1013.3	1001.4	1003.4	987.6	983.6
32.5°	971.7	963.8	963.8	948.0	946.0
35°	932.2	924.2	922.3	906.4	902.5
37.5°	892.6	882.7	880.7	862.9	862.9
40°	849.0	841.1	837.2	823.3	821.3
42.5°	807.5	797.6	793.6	779.8	779.8
45°	763.9	756.0	748.1	738.2	736.2
47.5°	718.4	710.5	706.5	694.7	692.7
50°	672.9	667.0	661.0	651.1	649.2
52.5°	625.4	621.4	617.5	607.6	601.7
55°	581.9	575.9	573.9	562.1	558.1
57.5°	534.4	528.4	526.4	512.6	506.7
60°	482.9	477.0	475.0	463.1	461.1
62.5°	437.4	431.4	427.5	419.6	415.6
65°	389.9	385.9	380.0	372.1	368.1
67.5°	342.4	338.4	332.5	326.6	322.6
70°	294.9	290.9	287.0	279.1	277.1
72.5°	247.4	243.4	239.5	235.5	235.5
75°	201.9	199.9	197.9	192.0	192.0
77.5°	156.4	154.4	152.4	150.4	150.4
80°	114.8	114.8	112.8	110.8	110.8
82.5°	77.2	77.2	77.2	75.2	75.2
85°	43.5	45.5	45.5	43.5	43.5
87.5°	17.8	17.8	17.8	17.8	17.8
90°	4.0	7.9	7.9	7.9	7.9
92.5°	7.9	9.9	11.9	13.9	11.9
95°	13.9	15.8	17.8	17.8	17.8
97.5°	21.8	23.7	23.7	23.7	23.7
100°	27.7	31.7	29.7	31.7	29.7
102.5°	33.6	41.6	41.6	37.6	37.6
105°	37.6	51.5	45.5	49.5	45.5
107.5°	41.6	63.3	53.4	55.4	57.4
110°	47.5	71.2	65.3	59.4	61.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	51.5	87.1	77.2	69.3	67.3
115°	55.4	89.1	91.0	79.2	77.2
117.5°	61.4	89.1	102.9	93.0	89.1
120°	65.3	95.0	112.8	104.9	100.9
122.5°	69.3	99.0	118.7	118.7	114.8
125°	73.2	100.9	124.7	128.6	126.7
127.5°	75.2	95.0	134.6	140.5	138.5
130°	79.2	91.0	132.6	142.5	148.4
132.5°	83.1	93.0	128.6	144.5	148.4
135°	85.1	95.0	124.7	154.4	152.4
137.5°	87.1	97.0	126.7	148.4	158.3
140°	91.0	97.0	128.6	140.5	152.4
142.5°	93.0	99.0	128.6	134.6	142.5
145°	95.0	99.0	118.7	136.6	138.5
147.5°	95.0	100.9	110.8	138.5	138.5
150°	97.0	100.9	110.8	138.5	138.5
152.5°	99.0	102.9	108.9	120.7	136.6
155°	99.0	102.9	108.9	116.8	116.8
157.5°	100.9	102.9	108.9	114.8	114.8
160°	100.9	102.9	108.9	112.8	110.8
162.5°	102.9	102.9	106.9	110.8	108.9
165°	102.9	102.9	108.9	110.8	108.9
167.5°	102.9	104.9	106.9	108.9	106.9
170°	104.9	104.9	106.9	106.9	104.9
172.5°	104.9	104.9	106.9	104.9	102.9
175°	104.9	104.9	104.9	104.9	100.9
177.5°	104.9	102.9	104.9	102.9	99.0
180°	102.9	102.9	102.9	102.9	102.9

(END OF REPORT)