

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: P253284

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253284
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-1)
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-W-4
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS.
Light Source: (112) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4075.1 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.31
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

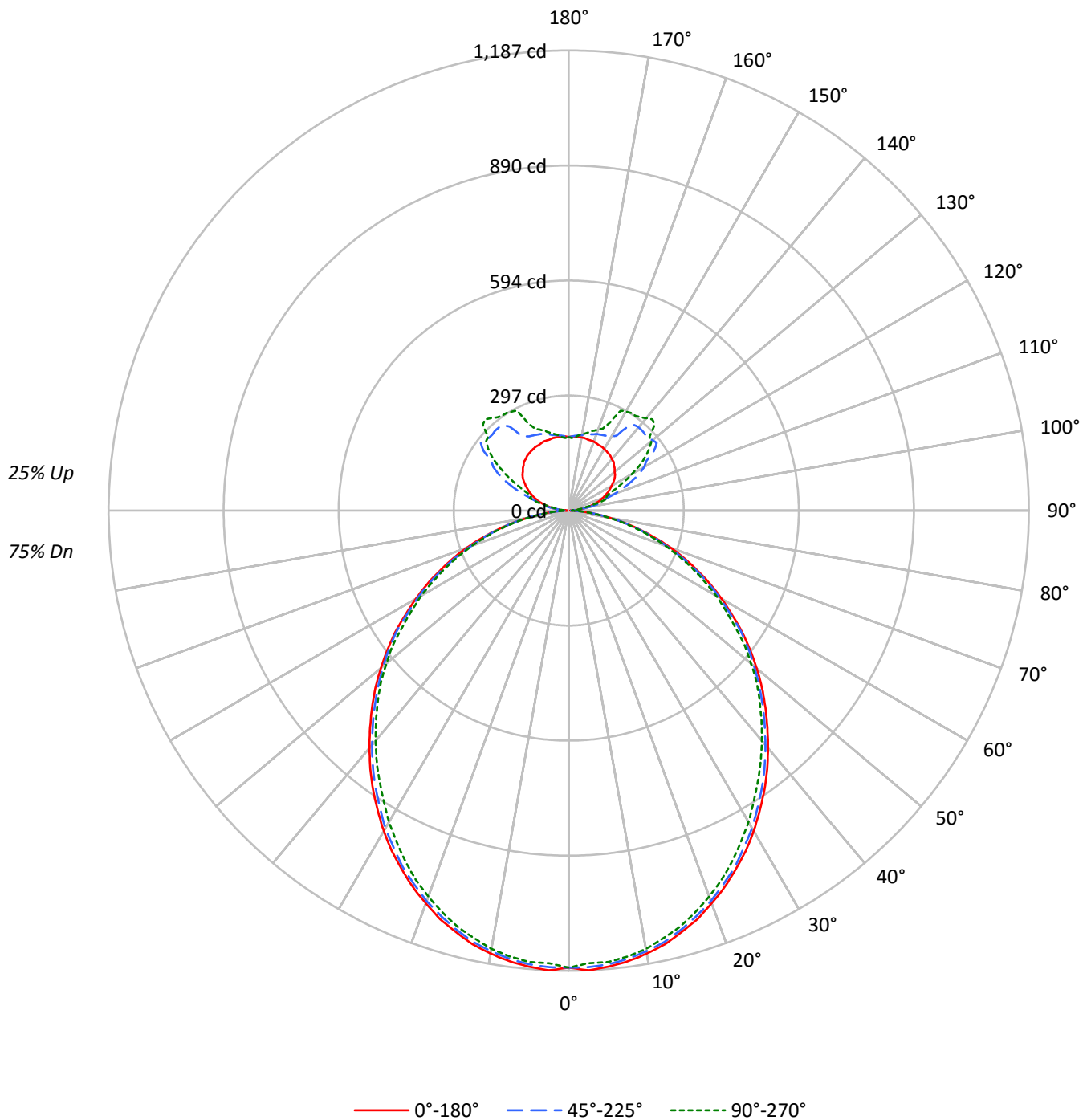
Input Watts (W): 32.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79
1	103	99	95	91	98	94	91	87	85	83	80	77	75	73	70	68	67
2	94	86	80	75	89	82	77	72	75	70	66	68	64	61	62	59	56
3	86	76	68	62	81	73	66	60	66	60	56	60	56	52	55	51	48
4	79	67	59	53	75	64	57	51	59	53	48	54	49	44	49	45	41
5	72	60	52	45	69	58	50	44	53	46	41	48	43	39	44	40	36
6	67	54	46	40	63	52	44	38	48	41	36	44	38	34	40	35	32
7	62	49	41	35	59	47	39	34	43	37	32	40	34	30	36	32	28
8	58	45	37	31	55	43	35	30	40	33	29	36	31	27	34	29	25
9	54	41	33	28	51	39	32	27	36	30	26	34	28	24	31	26	23
10	50	38	30	25	48	36	29	24	34	27	23	31	26	22	29	24	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9517	9517	9517
5°	9570	9520	9470
10°	9512	9461	9410
15°	9405	9353	9284
20°	9260	9207	9100
25°	9087	9032	8885
30°	8895	8818	8645
35°	8673	8571	8389
40°	8427	8318	8166
45°	8188	8071	7953
50°	7946	7843	7714
55°	7686	7629	7368
60°	7354	7254	7088
65°	7007	6890	6693
70°	6616	6373	6276
75°	5914	5848	5658
80°	4984	4984	4788
85°	3816	4011	3816



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.2	2.7
10°-20°	314.4	7.7
20°-30°	464.0	11.4
30°-40°	540.9	13.3
40°-50°	544.4	13.4
50°-60°	479.4	11.8
60°-70°	355.8	8.7
70°-80°	197.9	4.9
80°-90°	51.5	1.3
90°-100°	26.0	0.6
100°-110°	93.3	2.3
110°-120°	163.1	4.0
120°-130°	205.7	5.0
130°-140°	194.7	4.8
140°-150°	155.0	3.8
150°-160°	101.8	2.5
160°-170°	57.5	1.4
170°-180°	18.5	0.5
0°-30°	889.7	21.8
0°-40°	1430.6	35.1
0°-60°	2454.3	60.2
0°-90°	3059.5	75.1
90°-120°	282.5	6.9
90°-150°	837.9	20.6
90°-180°	1016.0	24.9
0°-180°	4075.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1179	1179	1179	1179	1179	
5°	1181	1169	1175	1171	1169	112
15°	1125	1113	1119	1113	1111	317
25°	1020	1010	1014	1000	998	470
35°	880	870	870	855	851	550
45°	717	711	707	697	697	553
55°	546	544	542	528	524	487
65°	367	367	361	352	350	364
75°	190	190	188	183	181	202
85°	41	43	43	43	41	48
90°	4	6	6	8	8	5
95°	23	25	21	18	16	24
105°	70	109	82	93	84	75
115°	111	214	179	146	134	109
125°	144	231	268	249	241	128
135°	165	192	278	313	313	128
145°	179	196	264	297	299	112
155°	186	196	214	231	249	86
165°	190	194	204	210	210	54
175°	192	192	194	194	190	18
180°	190	190	190	190	190	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1178.9	1178.9	1178.9	1178.9	1178.9
2.5°	1187.1	1172.7	1178.9	1176.8	1168.6
5°	1180.9	1168.6	1174.7	1170.6	1168.6
7.5°	1172.7	1160.3	1166.5	1162.4	1160.3
10°	1160.3	1147.9	1154.1	1147.9	1147.9
12.5°	1145.9	1131.5	1139.7	1131.5	1129.4
15°	1125.3	1112.9	1119.1	1112.9	1110.8
17.5°	1104.7	1092.3	1096.4	1090.2	1086.1
20°	1077.9	1067.6	1071.7	1061.4	1059.3
22.5°	1051.1	1040.8	1042.8	1032.5	1030.5
25°	1020.2	1009.9	1014.0	999.6	997.5
27.5°	989.2	976.9	978.9	964.5	962.5
30°	954.2	943.9	946.0	929.5	927.4
32.5°	917.1	906.8	906.8	892.4	888.3
35°	880.0	869.7	869.7	855.3	851.2
37.5°	840.9	830.6	830.6	816.1	814.1
40°	799.6	791.4	789.3	774.9	774.9
42.5°	758.4	752.2	748.1	735.8	735.8
45°	717.2	711.0	706.9	696.6	696.6
47.5°	676.0	669.8	665.7	657.4	657.4
50°	632.7	628.6	624.5	616.2	614.2
52.5°	589.4	587.4	583.2	575.0	572.9
55°	546.1	544.1	542.0	527.6	523.5
57.5°	498.7	496.7	492.6	482.3	480.2
60°	455.5	451.3	449.3	439.0	439.0
62.5°	412.2	410.1	406.0	395.7	393.6
65°	366.8	366.8	360.7	352.4	350.4
67.5°	323.6	321.5	315.3	309.1	307.1
70°	280.3	278.2	270.0	267.9	265.9
72.5°	234.9	232.9	228.8	224.6	222.6
75°	189.6	189.6	187.5	183.4	181.4
77.5°	148.4	148.4	146.3	144.3	142.2
80°	107.2	109.2	107.2	105.1	103.0
82.5°	72.1	74.2	72.1	72.1	70.1
85°	41.2	43.3	43.3	43.3	41.2
87.5°	16.5	18.5	18.5	16.5	16.5
90°	4.1	6.2	6.2	8.2	8.2
92.5°	10.3	12.4	10.3	12.4	10.3
95°	22.7	24.7	20.6	18.5	16.5
97.5°	35.0	45.3	33.0	30.9	28.9
100°	47.4	59.8	53.6	43.3	37.1
102.5°	59.8	84.5	78.3	61.8	55.6
105°	70.1	109.2	82.4	92.7	84.5
107.5°	82.4	134.0	98.9	98.9	105.1
110°	92.7	166.9	125.7	103.0	103.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	101.0	208.2	152.5	119.5	111.3
115°	111.3	214.3	179.3	146.3	134.0
117.5°	119.5	218.5	204.0	175.2	160.8
120°	127.8	224.6	224.6	199.9	187.5
122.5°	136.0	228.8	237.0	226.7	216.4
125°	144.3	230.8	267.9	249.4	241.1
127.5°	150.4	220.5	286.5	265.9	261.7
130°	154.6	195.8	282.3	272.0	278.2
132.5°	160.8	189.6	278.2	298.8	282.3
135°	164.9	191.7	278.2	313.3	313.3
137.5°	171.1	193.7	280.3	305.0	319.4
140°	173.1	193.7	280.3	298.8	311.2
142.5°	177.2	195.8	278.2	294.7	303.0
145°	179.3	195.8	263.8	296.8	298.8
147.5°	181.4	195.8	228.8	292.7	298.8
150°	183.4	195.8	220.5	290.6	294.7
152.5°	185.5	195.8	216.4	263.8	290.6
155°	185.5	195.8	214.3	230.8	249.4
157.5°	187.5	195.8	212.3	224.6	228.8
160°	189.6	195.8	210.2	220.5	222.6
162.5°	189.6	193.7	206.1	216.4	216.4
165°	189.6	193.7	204.0	210.2	210.2
167.5°	191.7	193.7	199.9	206.1	204.0
170°	191.7	191.7	197.8	202.0	199.9
172.5°	191.7	191.7	195.8	197.8	195.8
175°	191.7	191.7	193.7	193.7	189.6
177.5°	191.7	191.7	191.7	191.7	187.5
180°	189.6	189.6	189.6	189.6	189.6

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