

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: P275235

Luminaire Tested: **J3-UL-60L82765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275235
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-60L82765-1D-UNV-W2A-W-4 (4500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6132.5 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.44
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

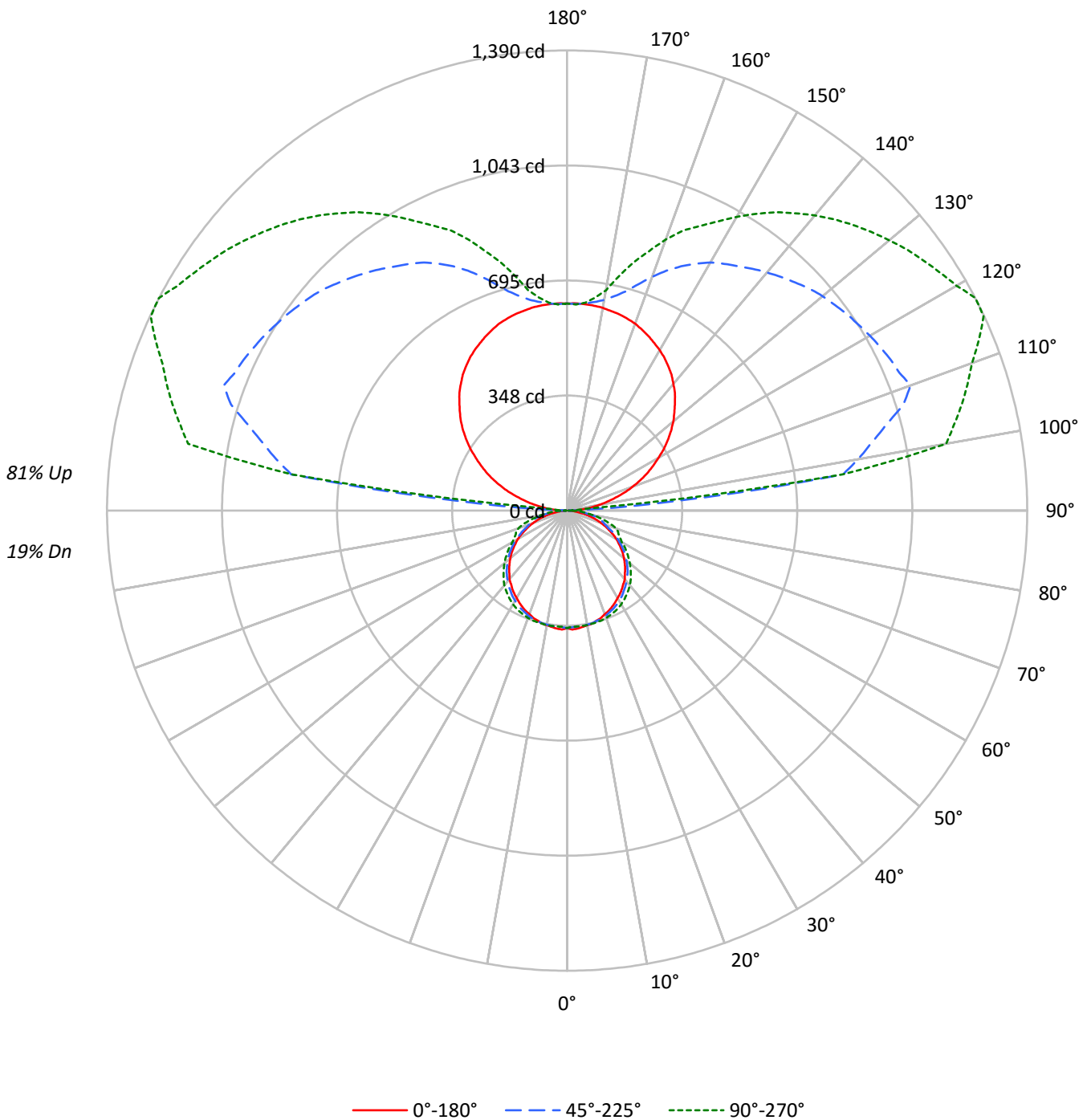
Input Watts (W): 44.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	27	27	27	19				
1	91	86	82	79	80	76	73	70	57	55	53	40	39	37	24	23	23	15				
2	82	75	69	64	72	66	61	57	50	47	44	35	33	31	21	20	19	13				
3	75	66	59	53	66	58	52	47	44	40	37	31	28	26	18	17	16	10				
4	68	58	50	45	60	51	45	40	39	34	31	27	24	22	16	15	13	9				
5	62	51	44	38	55	45	39	34	34	30	26	24	21	19	14	13	12	8				
6	57	46	38	32	50	41	34	29	31	26	23	22	19	16	13	11	10	7				
7	53	41	33	28	46	36	30	25	28	23	20	20	16	14	12	10	9	6				
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5				
9	45	34	26	22	40	30	24	19	23	18	15	16	13	11	10	8	7	5				
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	7	6	4				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2865	2865	2865
5°	2896	2857	2847
10°	2880	2869	2880
15°	2874	2884	2915
20°	2860	2912	2965
25°	2857	2922	3009
30°	2841	2932	3046
35°	2846	2931	3076
40°	2851	2941	3109
45°	2822	2948	3102
50°	2813	2936	3105
55°	2791	2929	3101
60°	2766	2885	3082
65°	2665	2852	3272
70°	2570	2861	3699
75°	2367	3284	3740
80°	2050	3357	3640
85°	1584	3742	4196



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.7	0.5
10°-20°	98.0	1.6
20°-30°	151.8	2.5
30°-40°	187.4	3.1
40°-50°	199.7	3.3
50°-60°	186.3	3.0
60°-70°	151.9	2.5
70°-80°	104.9	1.7
80°-90°	41.0	0.7
90°-100°	366.4	6.0
100°-110°	925.7	15.1
110°-120°	957.8	15.6
120°-130°	853.0	13.9
130°-140°	710.7	11.6
140°-150°	541.5	8.8
150°-160°	364.5	5.9
160°-170°	197.6	3.2
170°-180°	60.7	1.0
0°-30°	283.5	4.6
0°-40°	471.0	7.7
0°-60°	856.9	14.0
0°-90°	1154.7	18.8
90°-120°	2249.9	36.7
90°-150°	4355.1	71.0
90°-180°	4978.0	81.2
0°-180°	6132.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	355	355	355	355	355	
5°	357	355	352	354	351	34
15°	344	345	345	349	349	97
25°	321	324	328	335	338	148
35°	289	291	297	308	312	181
45°	247	251	258	267	272	191
55°	198	202	208	214	220	177
65°	140	143	149	163	171	139
75°	76	81	105	119	120	81
85°	17	32	40	45	45	20
90°	2	4	4	2	2	6
95°	51	401	314	50	49	51
105°	152	639	996	1177	1234	161
115°	267	660	1078	1340	1388	263
125°	371	676	1033	1252	1316	331
135°	460	695	974	1162	1220	356
145°	532	683	901	1046	1100	333
155°	581	649	814	917	948	268
165°	613	630	685	753	776	173
175°	625	627	628	634	630	60
180°	625	625	625	625	625	



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CATALOG NUMBER: J3-UL-60L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	354.9	354.9	354.9	354.9	354.9
2.5°	359.8	354.9	352.5	353.7	351.3
5°	357.4	354.9	352.5	353.7	351.3
7.5°	354.9	353.7	351.3	353.7	351.3
10°	351.3	351.3	350.0	352.5	351.3
12.5°	350.0	348.8	348.8	351.3	350.0
15°	343.9	345.1	345.1	348.8	348.8
17.5°	340.2	341.5	342.7	347.6	347.6
20°	332.9	336.6	339.0	345.1	345.1
22.5°	328.0	330.5	332.9	340.2	341.5
25°	320.7	324.3	328.0	335.4	337.8
27.5°	313.3	317.0	321.9	330.5	332.9
30°	304.8	309.7	314.5	323.1	326.8
32.5°	297.4	301.1	307.2	317.0	319.4
35°	288.8	291.3	297.4	308.4	312.1
37.5°	279.1	281.5	288.8	298.6	303.5
40°	270.5	272.9	279.1	288.8	295.0
42.5°	258.2	261.9	269.3	277.8	283.9
45°	247.2	250.9	258.2	266.8	271.7
47.5°	236.2	239.9	246.0	254.6	259.5
50°	224.0	227.6	233.8	242.3	247.2
52.5°	211.7	215.4	221.5	228.9	233.8
55°	198.3	201.9	208.1	214.2	220.3
57.5°	184.8	188.5	193.4	200.7	206.8
60°	171.3	173.8	178.7	187.3	190.9
62.5°	156.7	159.1	164.0	172.6	181.1
65°	139.5	143.2	149.3	162.8	171.3
67.5°	124.8	127.3	133.4	153.0	166.5
70°	108.9	112.6	121.2	149.3	156.7
72.5°	93.0	96.7	112.6	137.1	140.8
75°	75.9	80.8	105.3	118.7	119.9
77.5°	60.0	66.1	90.6	97.9	99.1
80°	44.1	55.1	72.2	77.1	78.3
82.5°	29.4	46.5	53.9	60.0	60.0
85°	17.1	31.8	40.4	45.3	45.3
87.5°	9.8	20.8	30.6	35.5	34.3
90°	2.4	3.7	3.7	2.4	2.4
92.5°	28.2	89.3	24.5	23.3	23.3
95°	51.4	401.4	314.5	50.2	49.0
97.5°	73.4	487.1	840.8	1017.1	839.6
100°	97.9	588.7	892.2	1102.7	1162.7
102.5°	124.8	624.2	941.2	1133.3	1197.0
105°	151.8	638.9	996.3	1177.4	1233.7
107.5°	181.1	648.7	1064.8	1212.9	1268.0
110°	210.5	653.6	1104.0	1257.0	1301.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	238.7	657.2	1086.8	1307.1	1346.3
115°	266.8	659.7	1078.3	1340.2	1387.9
117.5°	292.5	663.4	1067.3	1309.6	1390.4
120°	318.2	667.0	1056.2	1288.8	1358.5
122.5°	346.4	671.9	1044.0	1271.6	1336.5
125°	370.8	675.6	1033.0	1252.1	1315.7
127.5°	395.3	679.3	1019.5	1231.3	1294.9
130°	418.6	687.8	1007.3	1210.5	1270.4
132.5°	439.4	692.7	992.6	1187.2	1245.9
135°	460.2	695.2	974.2	1161.5	1220.2
137.5°	482.2	694.0	957.1	1137.0	1193.3
140°	499.4	692.7	938.7	1107.6	1163.9
142.5°	517.7	689.1	920.4	1078.3	1132.1
145°	532.4	682.9	900.8	1046.4	1100.3
147.5°	547.1	675.6	883.7	1013.4	1062.4
150°	559.3	664.6	865.3	977.9	1024.4
152.5°	570.3	656.0	840.8	946.1	984.0
155°	581.4	648.7	813.9	916.7	948.5
157.5°	591.2	643.8	784.5	881.2	915.5
160°	600.9	637.7	751.5	843.3	871.4
162.5°	607.1	634.0	717.2	798.0	821.2
165°	613.2	630.3	685.4	752.7	776.0
167.5°	616.9	627.9	663.4	705.0	725.8
170°	621.7	626.6	646.2	670.7	675.6
172.5°	624.2	626.6	635.2	647.5	648.7
175°	625.4	626.6	627.9	634.0	630.3
177.5°	626.6	627.9	624.2	627.9	623.0
180°	625.4	625.4	625.4	625.4	625.4

(END OF REPORT)