

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: P253609

Luminaire Tested: **J3-UL-80L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253609
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-80L93050-1D-UNV-W2A-W-4 (3000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (336) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6213.9 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.43
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

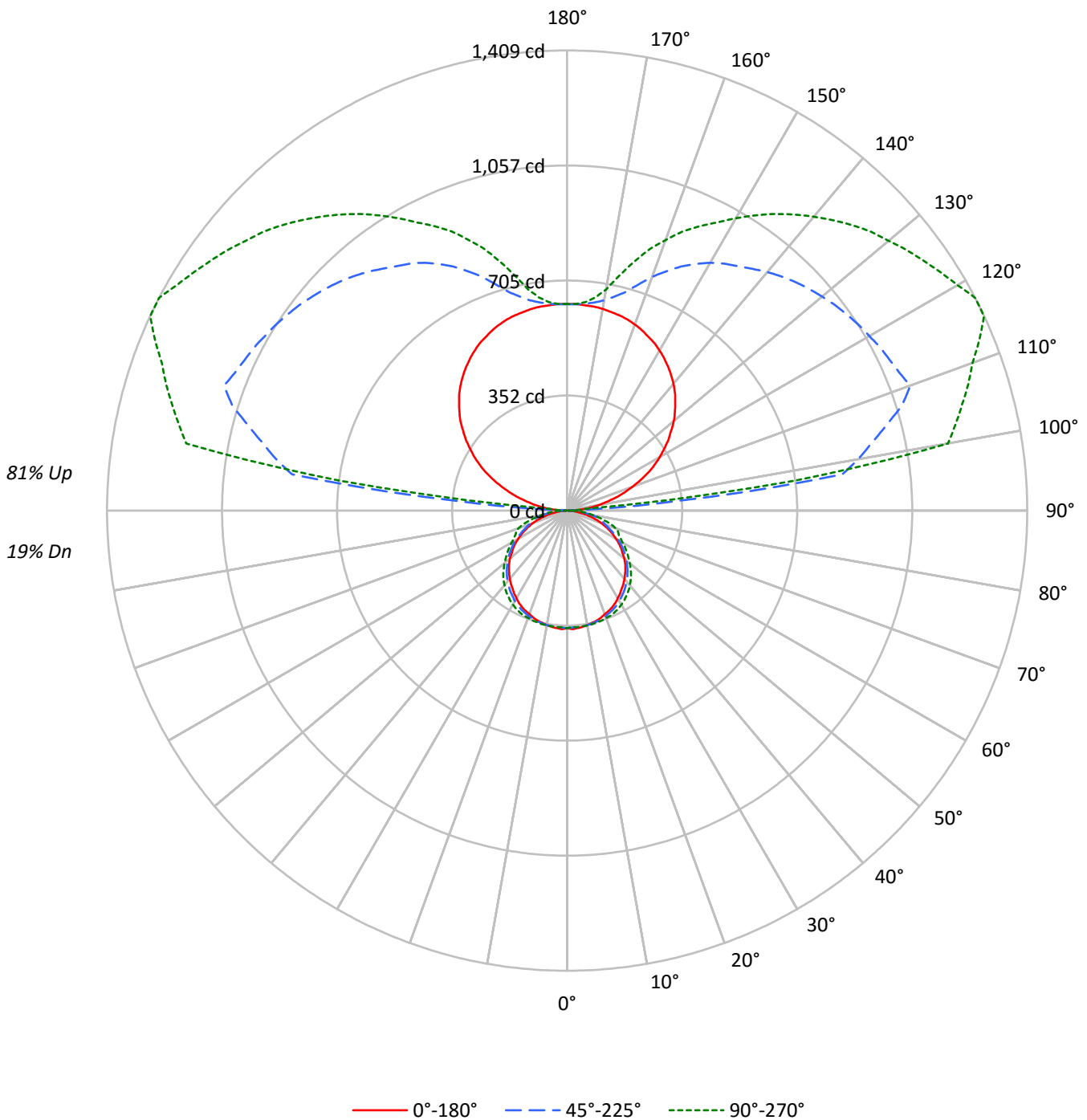
Input Watts (W): 63.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	28	28	28	19				19
1	91	86	83	79	80	76	73	70	57	55	53	40	39	38	24	23	23	15				15
2	82	75	69	64	72	66	61	57	50	47	44	35	33	31	21	20	19	13				13
3	75	66	59	53	66	58	52	47	44	40	37	31	28	26	18	17	16	10				10
4	68	58	50	45	60	51	45	40	39	34	31	27	24	22	16	15	13	9				9
5	62	51	44	38	55	45	39	34	34	30	26	24	21	19	14	13	12	8				8
6	57	46	38	32	50	41	34	29	31	26	23	22	19	16	13	11	10	7				7
7	53	41	33	28	46	36	30	25	28	23	20	20	16	14	12	10	9	6				6
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5				5
9	45	34	26	22	40	30	24	20	23	18	15	16	13	11	10	8	7	5				5
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	7	6	4				4

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2909	2909	2909
5°	2928	2904	2904
10°	2920	2920	2928
15°	2917	2934	2959
20°	2901	2954	3007
25°	2907	2971	3062
30°	2889	2985	3100
35°	2871	2983	3125
40°	2875	2983	3146
45°	2879	2986	3161
50°	2870	2974	3142
55°	2840	2956	3144
60°	2793	2926	3158
65°	2734	2890	3324
70°	2601	2915	3741
75°	2408	3341	3755
80°	2060	3398	3733
85°	1621	3816	4289



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.2	0.6
10°-20°	99.5	1.6
20°-30°	154.2	2.5
30°-40°	190.2	3.1
40°-50°	202.7	3.3
50°-60°	189.0	3.0
60°-70°	154.4	2.5
70°-80°	106.4	1.7
80°-90°	42.1	0.7
90°-100°	366.2	5.9
100°-110°	938.5	15.1
110°-120°	971.8	15.6
120°-130°	865.2	13.9
130°-140°	720.4	11.6
140°-150°	548.5	8.8
150°-160°	369.1	5.9
160°-170°	200.1	3.2
170°-180°	61.4	1.0
0°-30°	287.9	4.6
0°-40°	478.1	7.7
0°-60°	869.8	14.0
0°-90°	1172.6	18.9
90°-120°	2276.5	36.6
90°-150°	4410.7	71.0
90°-180°	5041.0	81.1
0°-180°	6213.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	360	360	360	360	360	
5°	361	360	358	358	358	34
15°	349	350	351	355	354	98
25°	326	328	334	341	344	150
35°	291	296	303	312	317	183
45°	252	254	262	271	277	194
55°	202	205	210	217	223	180
65°	143	146	151	166	174	141
75°	77	82	107	119	120	81
85°	18	33	41	47	46	21
90°	2	3	4	3	3	6
95°	52	408	342	50	49	51
105°	154	648	1012	1195	1252	163
115°	273	671	1090	1358	1408	269
125°	379	687	1046	1270	1333	338
135°	467	705	989	1178	1235	361
145°	538	690	913	1063	1109	337
155°	588	657	825	931	960	271
165°	619	639	693	762	788	175
175°	631	634	635	639	640	60
180°	632	632	632	632	632	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	360.3	360.3	360.3	360.3	360.3
2.5°	363.4	361.3	358.3	358.3	357.2
5°	361.3	360.3	358.3	358.3	358.3
7.5°	359.3	359.3	357.2	358.3	357.2
10°	356.2	357.2	356.2	358.3	357.2
12.5°	352.1	354.1	354.1	357.2	356.2
15°	349.0	350.0	351.1	355.2	354.1
17.5°	343.8	345.9	348.0	353.1	353.1
20°	337.7	340.8	343.8	350.0	350.0
22.5°	332.5	335.6	338.7	345.9	348.0
25°	326.3	328.4	333.5	340.8	343.8
27.5°	319.1	321.2	327.4	334.6	338.7
30°	309.9	314.0	320.2	328.4	332.5
32.5°	301.6	305.8	310.9	321.2	325.3
35°	291.3	295.5	302.7	311.9	317.1
37.5°	283.1	287.2	293.4	302.7	308.8
40°	272.8	275.9	283.1	292.4	298.5
42.5°	262.5	266.6	272.8	283.1	288.3
45°	252.2	254.3	261.5	270.8	276.9
47.5°	240.9	243.0	249.1	259.4	263.5
50°	228.5	231.6	236.8	246.0	250.2
52.5°	214.1	218.2	224.4	231.6	236.8
55°	201.8	204.9	210.0	217.2	223.4
57.5°	188.4	191.5	196.6	203.8	210.0
60°	173.0	176.0	181.2	190.5	195.6
62.5°	157.5	161.6	165.7	175.0	184.3
65°	143.1	146.2	151.3	165.7	174.0
67.5°	126.6	130.7	135.9	156.5	168.8
70°	110.2	114.3	123.5	151.3	158.5
72.5°	94.7	97.8	113.2	140.0	142.1
75°	77.2	82.4	107.1	119.4	120.4
77.5°	59.7	66.9	91.6	99.9	100.9
80°	44.3	55.6	73.1	79.3	80.3
82.5°	30.9	47.4	56.6	61.8	61.8
85°	17.5	32.9	41.2	47.4	46.3
87.5°	10.3	21.6	30.9	36.0	35.0
90°	2.1	3.1	4.1	3.1	3.1
92.5°	26.8	86.5	23.7	23.7	22.6
95°	51.5	407.7	341.8	50.4	49.4
97.5°	74.1	495.2	849.3	1014.0	705.2
100°	99.9	588.9	904.9	1117.0	1183.9
102.5°	124.6	629.0	954.3	1151.0	1217.9
105°	154.4	647.5	1012.0	1195.2	1251.8
107.5°	183.2	656.8	1075.8	1233.3	1287.9
110°	212.1	663.0	1118.0	1276.5	1320.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	241.9	667.1	1101.5	1328.0	1366.1
115°	272.8	671.2	1090.2	1357.9	1408.3
117.5°	300.6	674.3	1080.9	1329.1	1409.3
120°	327.4	678.4	1068.6	1308.5	1380.5
122.5°	352.1	683.6	1058.3	1289.9	1356.8
125°	378.8	686.7	1045.9	1270.4	1333.2
127.5°	401.5	690.8	1033.6	1246.7	1310.5
130°	426.2	698.0	1019.2	1226.1	1284.8
132.5°	447.8	703.1	1004.8	1203.5	1263.2
135°	467.4	705.2	989.3	1177.7	1235.4
137.5°	489.0	704.2	971.8	1152.0	1205.5
140°	506.5	700.0	953.3	1124.2	1174.6
142.5°	523.0	697.0	932.7	1095.4	1142.7
145°	538.4	689.7	913.1	1063.4	1108.7
147.5°	552.8	682.5	896.7	1030.5	1071.7
150°	566.2	672.2	876.1	992.4	1033.6
152.5°	578.6	664.0	851.4	959.5	994.5
155°	587.8	656.8	824.6	930.6	960.5
157.5°	598.1	651.7	792.7	893.6	925.5
160°	606.4	646.5	761.8	851.4	881.2
162.5°	613.6	642.4	725.8	810.2	839.0
165°	618.7	639.3	692.8	761.8	787.5
167.5°	622.8	636.2	671.2	711.4	736.1
170°	626.9	635.2	653.7	677.4	686.7
172.5°	630.0	635.2	642.4	653.7	657.8
175°	631.1	634.2	635.2	639.3	640.3
177.5°	633.1	635.2	632.1	633.1	633.1
180°	632.1	632.1	632.1	632.1	632.1

(END OF REPORT)