

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: P275244

Luminaire Tested: **J3-UL-60L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275244
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-60L92765-1D-UNV-W2A-W-4 (5000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5577.2 lumens
Efficiency: N/A
Efficacy: 123.7 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

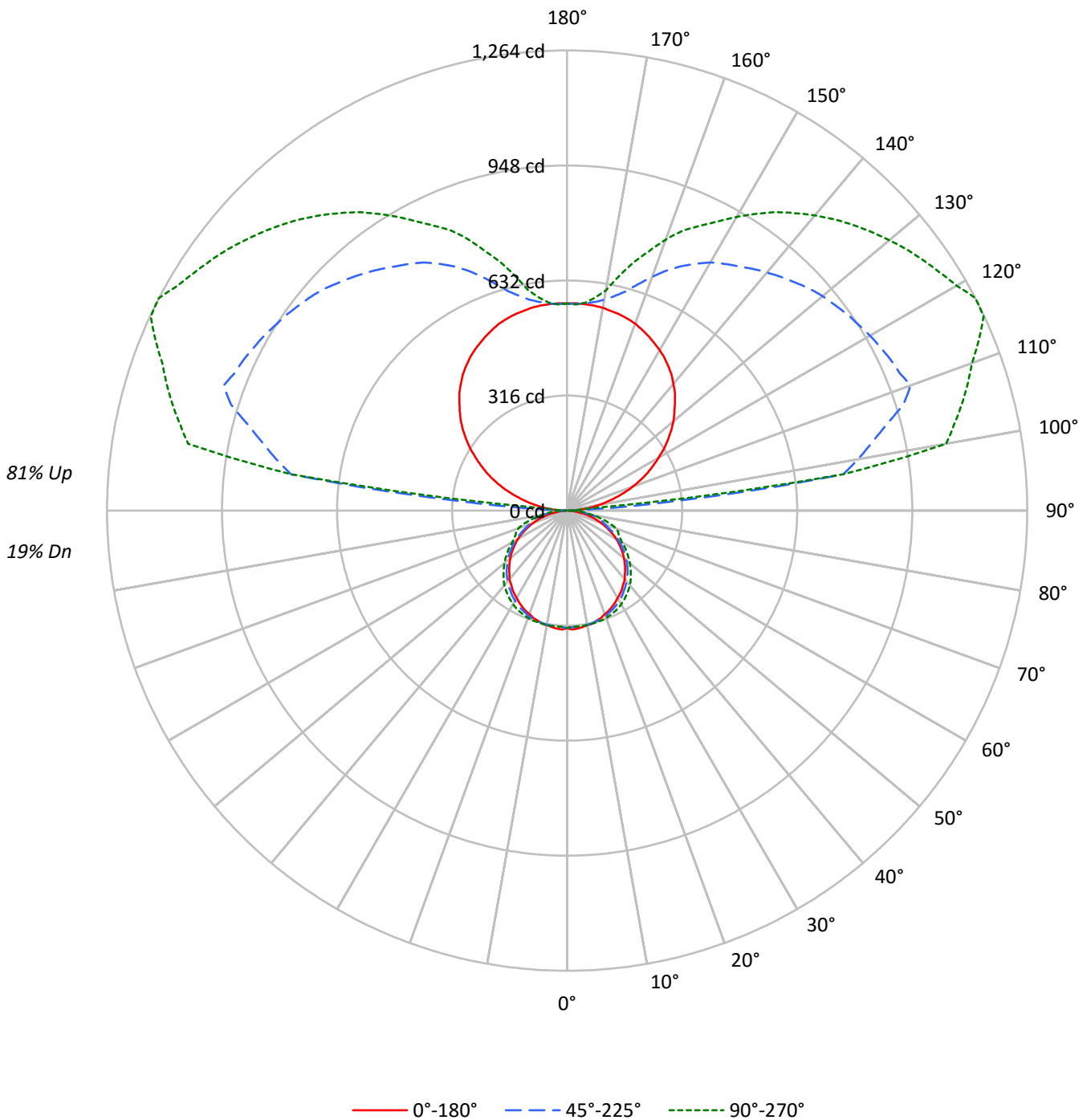
Input Watts (W): 45.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2606	2606	2606
5°	2634	2598	2589
10°	2619	2609	2619
15°	2614	2623	2651
20°	2601	2649	2697
25°	2597	2657	2736
30°	2584	2667	2770
35°	2589	2666	2797
40°	2592	2675	2827
45°	2567	2682	2821
50°	2558	2670	2823
55°	2538	2663	2821
60°	2516	2624	2803
65°	2424	2594	2976
70°	2339	2601	3364
75°	2152	2985	3403
80°	1864	3054	3310
85°	1445	3399	3816



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.6	0.5
10°-20°	89.2	1.6
20°-30°	138.1	2.5
30°-40°	170.5	3.1
40°-50°	181.6	3.3
50°-60°	169.4	3.0
60°-70°	138.1	2.5
70°-80°	95.4	1.7
80°-90°	37.2	0.7
90°-100°	333.3	6.0
100°-110°	841.8	15.1
110°-120°	871.1	15.6
120°-130°	775.8	13.9
130°-140°	646.3	11.6
140°-150°	492.5	8.8
150°-160°	331.5	5.9
160°-170°	179.7	3.2
170°-180°	55.2	1.0
0°-30°	257.9	4.6
0°-40°	428.3	7.7
0°-60°	779.4	14.0
0°-90°	1050.1	18.8
90°-120°	2046.2	36.7
90°-150°	3960.8	71.0
90°-180°	4527.0	81.2
0°-180°	5577.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	323	323	323	323	323	
5°	325	323	321	322	320	31
15°	313	314	314	317	317	88
25°	292	295	298	305	307	134
35°	263	265	270	280	284	164
45°	225	228	235	243	247	174
55°	180	184	189	195	200	161
65°	127	130	136	148	156	126
75°	69	74	96	108	109	73
85°	16	29	37	41	41	18
90°	2	3	3	2	2	5
95°	47	365	286	46	44	46
105°	138	581	906	1071	1122	147
115°	243	600	981	1219	1262	239
125°	337	614	939	1139	1197	301
135°	418	632	886	1056	1110	323
145°	484	621	819	952	1001	303
155°	529	590	740	834	863	244
165°	558	573	623	684	706	158
175°	569	570	571	577	573	54
180°	569	569	569	569	569	



TEST NUMBER: P275244

CATALOG NUMBER: J3-UL-60L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	322.8	322.8	322.8	322.8	322.8
2.5°	327.2	322.8	320.6	321.7	319.5
5°	325.0	322.8	320.6	321.7	319.5
7.5°	322.8	321.7	319.5	321.7	319.5
10°	319.5	319.5	318.3	320.6	319.5
12.5°	318.3	317.2	317.2	319.5	318.3
15°	312.8	313.9	313.9	317.2	317.2
17.5°	309.4	310.6	311.7	316.1	316.1
20°	302.8	306.1	308.3	313.9	313.9
22.5°	298.3	300.5	302.8	309.4	310.6
25°	291.6	295.0	298.3	305.0	307.2
27.5°	285.0	288.3	292.7	300.5	302.8
30°	277.2	281.6	286.1	293.9	297.2
32.5°	270.5	273.8	279.4	288.3	290.5
35°	262.7	264.9	270.5	280.5	283.8
37.5°	253.8	256.0	262.7	271.6	276.0
40°	246.0	248.2	253.8	262.7	268.3
42.5°	234.9	238.2	244.9	252.7	258.2
45°	224.8	228.2	234.9	242.7	247.1
47.5°	214.8	218.2	223.7	231.5	236.0
50°	203.7	207.0	212.6	220.4	224.8
52.5°	192.6	195.9	201.5	208.1	212.6
55°	180.3	183.7	189.2	194.8	200.4
57.5°	168.1	171.4	175.9	182.5	188.1
60°	155.8	158.1	162.5	170.3	173.6
62.5°	142.5	144.7	149.2	156.9	164.7
65°	126.9	130.2	135.8	148.0	155.8
67.5°	113.5	115.8	121.3	139.1	151.4
70°	99.1	102.4	110.2	135.8	142.5
72.5°	84.6	87.9	102.4	124.7	128.0
75°	69.0	73.5	95.7	108.0	109.1
77.5°	54.5	60.1	82.4	89.0	90.2
80°	40.1	50.1	65.7	70.1	71.2
82.5°	26.7	42.3	49.0	54.5	54.5
85°	15.6	28.9	36.7	41.2	41.2
87.5°	8.9	18.9	27.8	32.3	31.2
90°	2.2	3.3	3.3	2.2	2.2
92.5°	25.6	81.3	22.3	21.1	21.1
95°	46.7	365.1	286.1	45.6	44.5
97.5°	66.8	443.0	764.7	925.0	763.6
100°	89.0	535.4	811.4	1002.9	1057.4
102.5°	113.5	567.7	856.0	1030.7	1088.6
105°	138.0	581.0	906.1	1070.8	1122.0
107.5°	164.7	589.9	968.4	1103.1	1153.2
110°	191.5	594.4	1004.0	1143.1	1183.2



TEST NUMBER: P275244

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	217.1	597.7	988.4	1188.8	1224.4
115°	242.7	600.0	980.6	1218.8	1262.2
117.5°	266.0	603.3	970.6	1191.0	1264.5
120°	289.4	606.6	960.6	1172.1	1235.5
122.5°	315.0	611.1	949.5	1156.5	1215.5
125°	337.3	614.4	939.4	1138.7	1196.6
127.5°	359.5	617.8	927.2	1119.8	1177.6
130°	380.7	625.6	916.1	1100.8	1155.4
132.5°	399.6	630.0	902.7	1079.7	1133.1
135°	418.5	632.2	886.0	1056.3	1109.7
137.5°	438.6	631.1	870.4	1034.1	1085.3
140°	454.1	630.0	853.7	1007.3	1058.5
142.5°	470.8	626.7	837.0	980.6	1029.6
145°	484.2	621.1	819.2	951.7	1000.7
147.5°	497.5	614.4	803.6	921.6	966.2
150°	508.7	604.4	787.0	889.4	931.7
152.5°	518.7	596.6	764.7	860.4	894.9
155°	528.7	589.9	740.2	833.7	862.6
157.5°	537.6	585.5	713.5	801.4	832.6
160°	546.5	579.9	683.4	766.9	792.5
162.5°	552.1	576.6	652.3	725.7	746.9
165°	557.7	573.2	623.3	684.5	705.7
167.5°	561.0	571.0	603.3	641.1	660.1
170°	565.4	569.9	587.7	610.0	614.4
172.5°	567.7	569.9	577.7	588.8	589.9
175°	568.8	569.9	571.0	576.6	573.2
177.5°	569.9	571.0	567.7	571.0	566.6
180°	568.8	568.8	568.8	568.8	568.8

(END OF REPORT)