

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: P275140

Luminaire Tested: **J3-FL-60L82765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-FL-60L82765-1D-UNV-W2A-W-4 (5000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5958.6 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

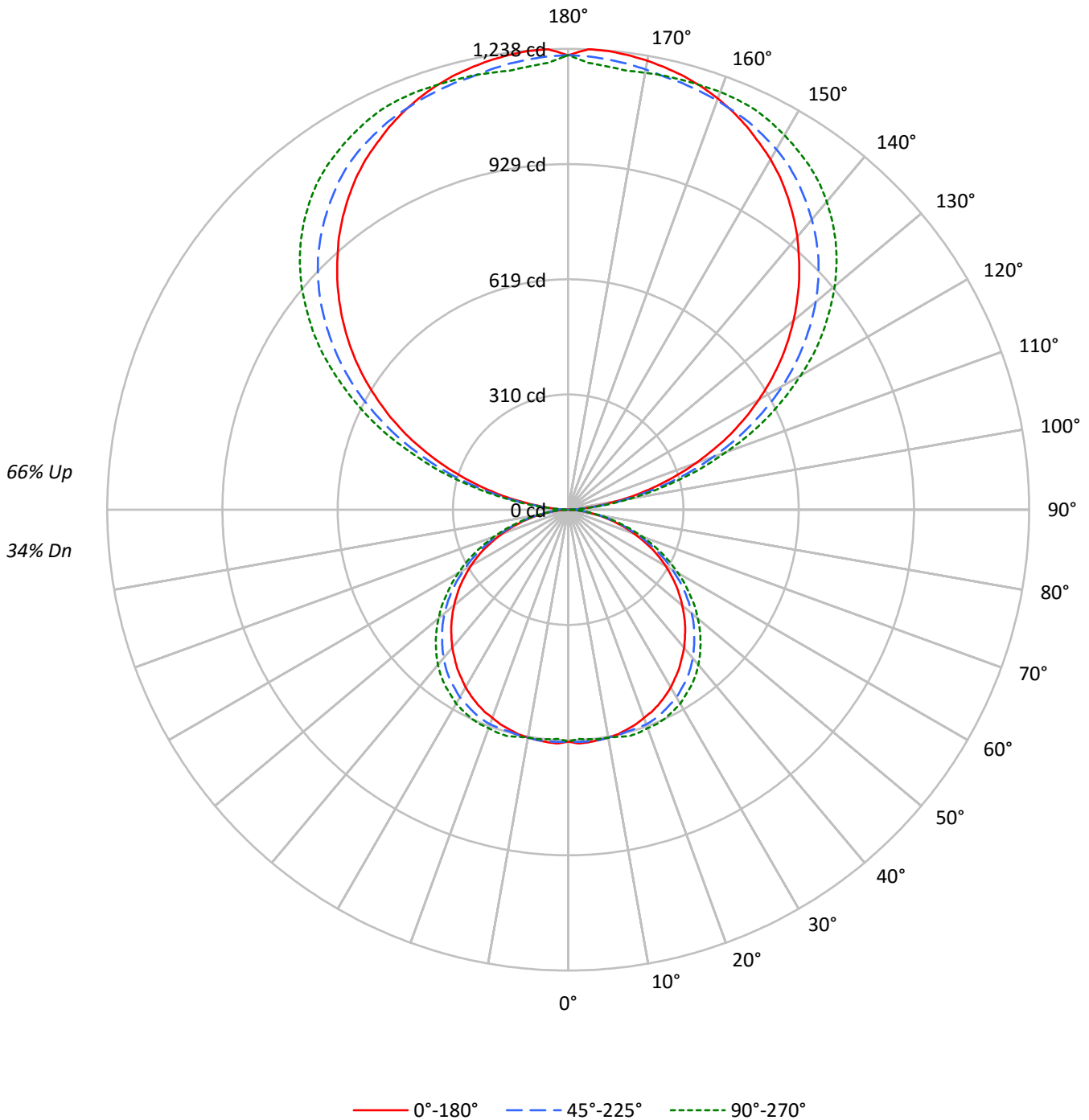
Input Watts (W): 45.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	94	90	86	82	85	81	78	75	65	62	60	50	48	47	36	35	34	28
2	85	78	72	67	77	71	65	61	56	53	50	43	41	39	31	30	29	23
3	78	68	61	55	70	62	56	51	50	45	41	38	35	33	28	26	24	19
4	71	60	52	47	64	55	48	43	44	39	35	34	30	28	25	22	21	16
5	65	53	45	40	58	48	42	36	39	34	30	30	27	24	22	20	18	14
6	60	48	40	34	53	43	36	31	35	30	26	27	23	21	20	17	15	12
7	55	43	35	30	49	39	32	27	32	26	23	25	21	18	18	16	14	11
8	51	39	31	26	46	35	29	24	29	24	20	22	19	16	16	14	12	10
9	47	35	28	23	43	32	26	21	26	21	18	20	17	14	15	13	11	9
10	44	32	25	20	40	29	23	19	24	19	16	19	15	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5029	5029	5029
5°	5082	5061	5016
10°	5096	5096	5096
15°	5106	5152	5265
20°	5112	5273	5365
25°	5134	5348	5503
30°	5136	5423	5611
35°	5126	5468	5681
40°	5103	5481	5734
45°	5069	5465	5739
50°	5020	5442	5711
55°	4967	5365	5626
60°	4876	5225	5506
65°	4724	5028	5314
70°	4452	4737	4985
75°	4086	4339	4548
80°	3547	3794	3924
85°	2844	2955	3103



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.4	1.0
10°-20°	174.8	2.9
20°-30°	275.3	4.6
30°-40°	344.0	5.8
40°-50°	366.7	6.2
50°-60°	338.1	5.7
60°-70°	259.7	4.4
70°-80°	147.1	2.5
80°-90°	38.8	0.7
90°-100°	62.5	1.0
100°-110°	294.0	4.9
110°-120°	532.8	8.9
120°-130°	684.4	11.5
130°-140°	728.1	12.2
140°-150°	669.9	11.2
150°-160°	530.5	8.9
160°-170°	336.8	5.7
170°-180°	115.5	1.9
0°-30°	509.6	8.6
0°-40°	853.6	14.3
0°-60°	1558.4	26.2
0°-90°	2004.1	33.6
90°-120°	889.3	14.9
90°-150°	2971.7	49.9
90°-180°	3955.0	66.4
0°-180°	5958.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	623	623	623	623	623	
5°	627	622	624	623	619	60
15°	611	608	616	627	630	173
25°	576	578	600	613	618	266
35°	520	530	555	568	576	325
45°	444	456	479	493	503	342
55°	353	364	381	393	400	315
65°	247	253	263	273	278	244
75°	131	134	139	144	146	139
85°	31	32	32	34	34	35
90°	1	1	1	0	0	4
95°	41	43	47	50	52	54
105°	246	257	281	298	306	260
115°	481	502	544	578	594	475
125°	695	717	772	814	837	620
135°	877	891	951	992	1016	676
145°	1027	1023	1075	1108	1129	643
155°	1135	1119	1149	1173	1186	523
165°	1205	1186	1186	1190	1194	340
175°	1237	1222	1214	1205	1195	118
180°	1221	1221	1221	1221	1221	



TEST NUMBER: P275140

CATALOG NUMBER: J3-FL-60L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	623.0	623.0	623.0	623.0	623.0
2.5°	628.5	623.0	624.5	624.5	616.4
5°	627.1	621.6	624.5	623.0	619.0
7.5°	624.5	620.4	624.5	624.5	621.6
10°	621.6	617.8	621.6	623.0	621.6
12.5°	617.8	613.8	620.4	623.0	624.5
15°	610.9	608.3	616.4	627.1	629.9
17.5°	604.5	603.1	615.2	627.1	628.5
20°	595.0	595.0	613.8	623.0	624.5
22.5°	587.1	587.1	608.3	617.8	623.0
25°	576.4	577.6	600.4	612.6	617.8
27.5°	564.3	568.3	590.9	604.5	609.7
30°	551.0	557.6	581.7	595.0	601.9
32.5°	535.1	544.1	568.3	581.7	588.3
35°	520.1	529.6	554.8	568.3	576.4
37.5°	501.5	513.4	538.9	552.2	561.7
40°	484.2	496.3	520.1	535.1	544.1
42.5°	464.0	477.3	500.1	514.8	524.1
45°	444.0	455.9	478.7	493.4	502.7
47.5°	422.6	434.7	457.5	470.8	479.9
50°	399.7	413.1	433.3	446.6	454.7
52.5°	376.9	389.0	407.8	421.4	429.2
55°	352.9	363.6	381.2	393.3	399.7
57.5°	327.5	338.2	352.9	365.0	371.7
60°	302.0	310.1	323.6	335.5	341.0
62.5°	275.4	282.3	294.2	303.7	310.1
65°	247.3	252.8	263.2	272.8	278.2
67.5°	218.1	223.3	232.6	240.7	244.7
70°	188.6	193.8	200.7	207.1	211.2
72.5°	160.3	163.1	169.8	175.3	177.9
75°	131.0	133.6	139.1	144.3	145.8
77.5°	104.4	105.6	109.9	112.5	113.7
80°	76.3	79.0	81.6	82.8	84.4
82.5°	52.1	53.5	54.7	56.1	57.3
85°	30.7	31.9	31.9	33.5	33.5
87.5°	13.3	14.7	14.7	14.7	14.7
90°	1.4	1.4	1.4	0.0	0.0
92.5°	13.3	13.3	14.7	15.9	17.4
95°	41.4	42.8	46.8	49.5	52.1
97.5°	82.8	85.6	93.5	100.4	103.0
100°	133.6	139.1	151.2	160.3	164.6
102.5°	188.6	196.4	214.0	227.3	234.0
105°	246.1	256.8	280.8	298.2	306.3
107.5°	304.9	318.4	349.1	369.1	379.8
110°	363.6	381.2	414.5	441.1	449.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	422.6	441.1	481.3	510.8	525.5
115°	481.3	501.5	544.1	577.6	593.8
117.5°	537.7	558.8	605.7	643.3	657.8
120°	590.9	613.8	664.7	703.4	720.8
122.5°	644.4	666.1	719.3	760.7	782.4
125°	695.3	716.7	771.7	814.2	837.1
127.5°	743.6	763.3	821.1	865.1	886.5
130°	790.2	809.0	867.7	910.8	934.8
132.5°	834.4	851.8	910.8	952.2	977.6
135°	877.2	890.6	950.7	992.1	1016.4
137.5°	917.2	926.7	985.7	1027.1	1049.9
140°	957.4	960.2	1017.6	1056.3	1080.3
142.5°	993.5	992.1	1047.0	1084.4	1107.2
145°	1027.1	1023.0	1075.1	1108.4	1128.6
147.5°	1058.9	1049.9	1099.1	1127.4	1146.0
150°	1087.0	1075.1	1117.9	1146.0	1161.9
152.5°	1111.0	1097.7	1133.8	1159.3	1175.2
155°	1135.3	1119.3	1148.6	1172.6	1186.2
157.5°	1156.7	1136.5	1159.3	1180.7	1191.6
160°	1175.2	1155.5	1170.0	1186.2	1194.2
162.5°	1191.6	1171.4	1178.1	1187.3	1194.2
165°	1204.9	1186.2	1186.2	1190.0	1194.2
167.5°	1215.4	1199.5	1191.6	1192.8	1194.2
170°	1224.9	1208.7	1200.7	1192.8	1191.6
172.5°	1231.6	1215.4	1208.7	1198.0	1190.0
175°	1236.8	1222.3	1214.0	1204.9	1195.4
177.5°	1238.2	1226.1	1219.4	1210.2	1202.1
180°	1220.9	1220.9	1220.9	1220.9	1220.9

(END OF REPORT)