

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: P275138

Luminaire Tested: **J3-FL-60L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275138
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 (4000K)
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 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5773.5 lumens
Efficiency: N/A
Efficacy: 129.5 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

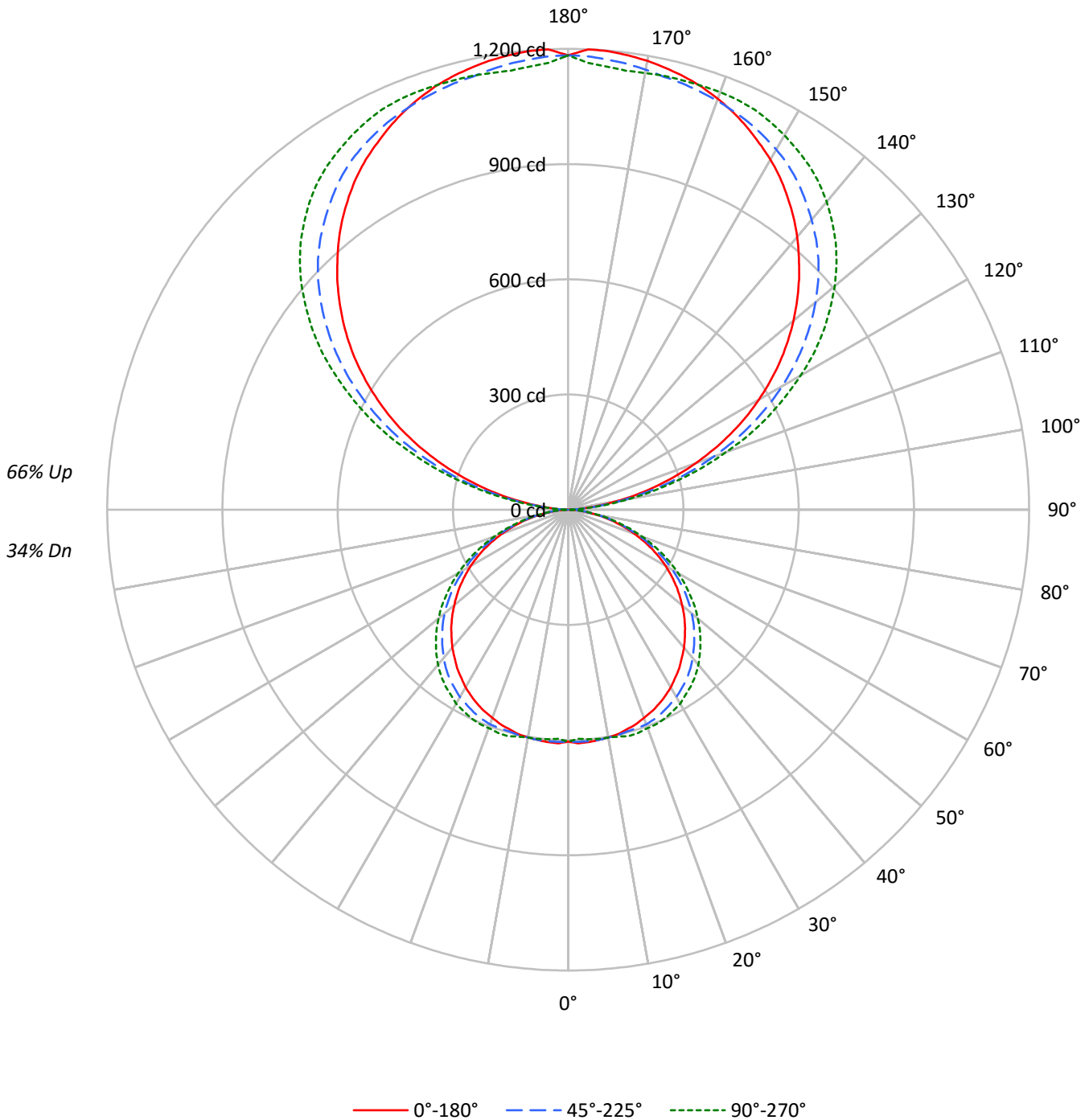
Input Watts (W): 44.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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°	4874	4874	4874
5°	4924	4904	4861
10°	4937	4937	4937
15°	4947	4991	5102
20°	4953	5109	5198
25°	4975	5182	5332
30°	4977	5254	5436
35°	4966	5298	5504
40°	4944	5310	5556
45°	4912	5295	5561
50°	4864	5272	5534
55°	4812	5199	5451
60°	4724	5063	5335
65°	4577	4873	5150
70°	4312	4591	4829
75°	3961	4205	4404
80°	3440	3673	3803
85°	2751	2862	3010



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.6	1.0
10°-20°	169.4	2.9
20°-30°	266.8	4.6
30°-40°	333.3	5.8
40°-50°	355.3	6.2
50°-60°	327.6	5.7
60°-70°	251.6	4.4
70°-80°	142.6	2.5
80°-90°	37.6	0.7
90°-100°	60.5	1.0
100°-110°	284.8	4.9
110°-120°	516.3	8.9
120°-130°	663.2	11.5
130°-140°	705.5	12.2
140°-150°	649.1	11.2
150°-160°	514.0	8.9
160°-170°	326.3	5.7
170°-180°	111.9	1.9
0°-30°	493.8	8.6
0°-40°	827.1	14.3
0°-60°	1510.0	26.2
0°-90°	1941.8	33.6
90°-120°	861.6	14.9
90°-150°	2879.4	49.9
90°-180°	3832.0	66.4
0°-180°	5773.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	604	604	604	604	604	
5°	608	602	605	604	600	58
15°	592	589	597	608	610	167
25°	558	560	582	594	599	257
35°	504	513	538	551	558	315
45°	430	442	464	478	487	332
55°	342	352	369	381	387	305
65°	240	245	255	264	270	236
75°	127	130	135	140	141	135
85°	30	31	31	32	32	34
90°	1	1	1	0	0	4
95°	40	42	45	48	50	52
105°	238	249	272	289	297	252
115°	466	486	527	560	575	460
125°	674	694	748	789	811	601
135°	850	863	921	961	985	655
145°	995	991	1042	1074	1094	623
155°	1100	1085	1113	1136	1149	507
165°	1168	1149	1149	1153	1157	330
175°	1198	1184	1176	1168	1158	114
180°	1183	1183	1183	1183	1183	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	603.7	603.7	603.7	603.7	603.7
2.5°	609.0	603.7	605.1	605.1	597.2
5°	607.6	602.3	605.1	603.7	599.8
7.5°	605.1	601.1	605.1	605.1	602.3
10°	602.3	598.6	602.3	603.7	602.3
12.5°	598.6	594.7	601.1	603.7	605.1
15°	591.9	589.4	597.2	607.6	610.4
17.5°	585.7	584.3	596.1	607.6	609.0
20°	576.5	576.5	594.7	603.7	605.1
22.5°	568.9	568.9	589.4	598.6	603.7
25°	558.5	559.7	581.8	593.5	598.6
27.5°	546.8	550.7	572.6	585.7	590.8
30°	533.9	540.3	563.6	576.5	583.2
32.5°	518.4	527.2	550.7	563.6	570.0
35°	503.9	513.1	537.6	550.7	558.5
37.5°	485.9	497.5	522.1	535.0	544.2
40°	469.1	480.9	503.9	518.4	527.2
42.5°	449.5	462.4	484.6	498.8	507.8
45°	430.2	441.7	463.8	478.1	487.1
47.5°	409.4	421.2	443.3	456.2	465.0
50°	387.3	400.2	419.8	432.7	440.6
52.5°	365.2	377.0	395.2	408.3	415.9
55°	341.9	352.3	369.4	381.1	387.3
57.5°	317.3	327.6	341.9	353.7	360.1
60°	292.6	300.5	313.6	325.1	330.4
62.5°	266.8	273.5	285.0	294.2	300.5
65°	239.6	244.9	255.1	264.3	269.6
67.5°	211.3	216.4	225.3	233.2	237.1
70°	182.7	187.8	194.5	200.7	204.6
72.5°	155.3	158.1	164.5	169.8	172.3
75°	127.0	129.5	134.8	139.9	141.2
77.5°	101.2	102.3	106.5	109.0	110.1
80°	74.0	76.5	79.0	80.2	81.8
82.5°	50.5	51.8	53.0	54.4	55.5
85°	29.7	30.9	30.9	32.5	32.5
87.5°	12.9	14.3	14.3	14.3	14.3
90°	1.4	1.4	1.4	0.0	0.0
92.5°	12.9	12.9	14.3	15.4	16.8
95°	40.1	41.5	45.4	47.9	50.5
97.5°	80.2	82.9	90.6	97.2	99.8
100°	129.5	134.8	146.5	155.3	159.4
102.5°	182.7	190.3	207.4	220.3	226.7
105°	238.5	248.8	272.1	288.9	296.8
107.5°	295.4	308.5	338.2	357.6	368.0
110°	352.3	369.4	401.6	427.4	435.3



TEST NUMBER: P275138

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	409.4	427.4	466.4	494.9	509.2
115°	466.4	485.9	527.2	559.7	575.3
117.5°	521.0	541.5	586.9	623.3	637.3
120°	572.6	594.7	644.0	681.6	698.4
122.5°	624.4	645.4	697.0	737.1	758.1
125°	673.7	694.5	747.7	788.9	811.1
127.5°	720.5	739.6	795.6	838.2	859.0
130°	765.7	783.9	840.8	882.5	905.8
132.5°	808.5	825.3	882.5	922.6	947.2
135°	850.0	862.9	921.2	961.3	984.8
137.5°	888.7	897.9	955.1	995.2	1017.3
140°	927.6	930.4	985.9	1023.5	1046.8
142.5°	962.7	961.3	1014.5	1050.7	1072.8
145°	995.2	991.2	1041.7	1074.0	1093.5
147.5°	1026.0	1017.3	1065.0	1092.4	1110.4
150°	1053.2	1041.7	1083.2	1110.4	1125.8
152.5°	1076.5	1063.6	1098.6	1123.3	1138.7
155°	1100.0	1084.6	1112.9	1136.2	1149.3
157.5°	1120.7	1101.1	1123.3	1144.0	1154.6
160°	1138.7	1119.6	1133.6	1149.3	1157.1
162.5°	1154.6	1135.0	1141.5	1150.5	1157.1
165°	1167.5	1149.3	1149.3	1153.0	1157.1
167.5°	1177.6	1162.2	1154.6	1155.8	1157.1
170°	1186.9	1171.2	1163.4	1155.8	1154.6
172.5°	1193.3	1177.6	1171.2	1160.8	1153.0
175°	1198.4	1184.3	1176.3	1167.5	1158.3
177.5°	1199.8	1188.0	1181.6	1172.6	1164.7
180°	1182.9	1182.9	1182.9	1182.9	1182.9

(END OF REPORT)