

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: P275105

Luminaire Tested: **J3-FL-40L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275105
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-40L82765-1D-UNV-W2A-W-4 (3500K)
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 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3757.6 lumens
Efficiency: N/A
Efficacy: 134.2 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

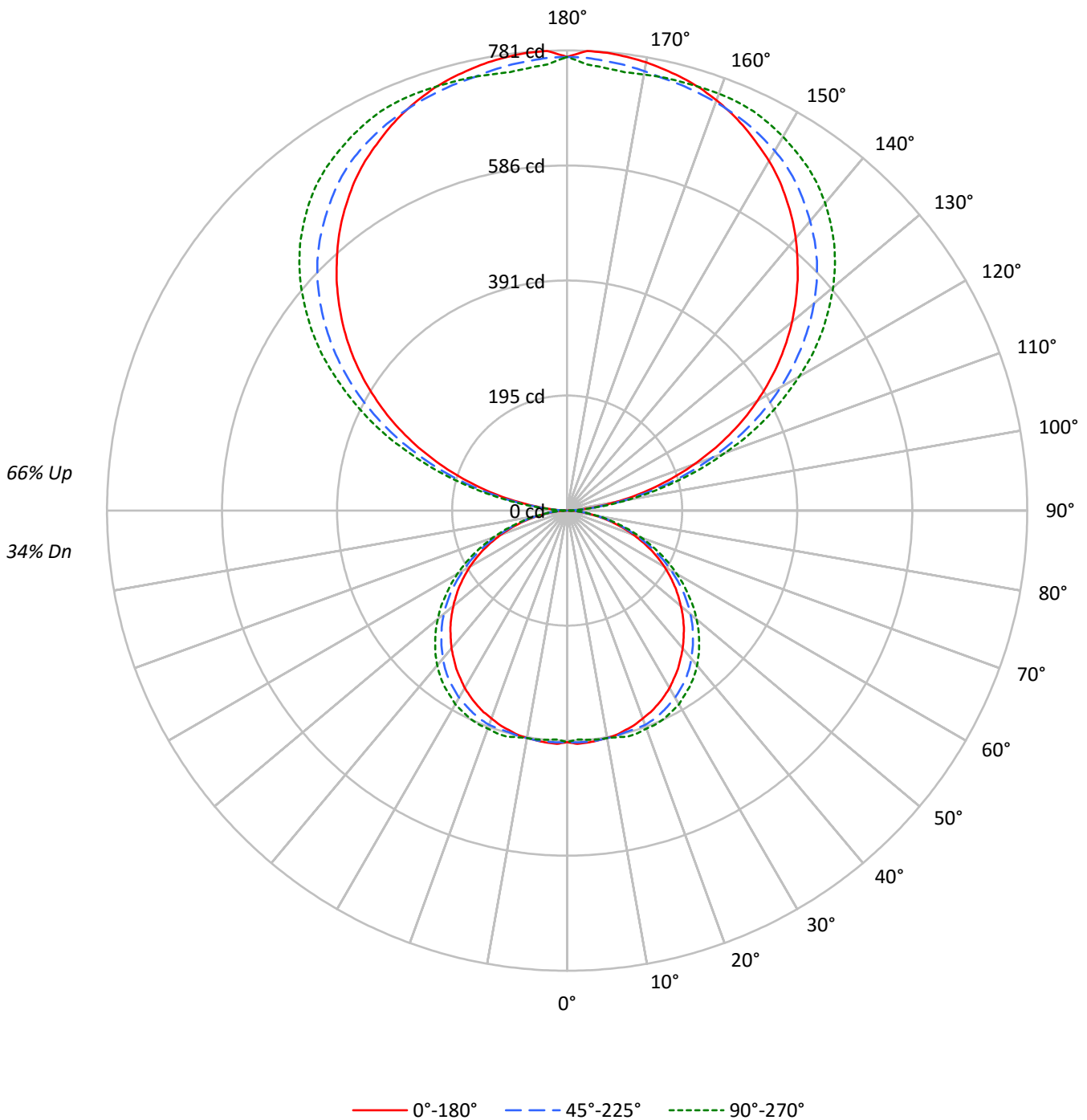
Input Watts (W): 28
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3172	3172	3172
5°	3204	3191	3163
10°	3213	3213	3213
15°	3220	3249	3320
20°	3223	3326	3383
25°	3238	3373	3470
30°	3239	3419	3539
35°	3233	3448	3582
40°	3217	3457	3616
45°	3197	3447	3619
50°	3166	3431	3601
55°	3132	3384	3548
60°	3076	3295	3471
65°	2980	3171	3352
70°	2806	2988	3144
75°	2576	2735	2866
80°	2236	2390	2473
85°	1788	1862	1954



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.5	1.0
10°-20°	110.2	2.9
20°-30°	173.6	4.6
30°-40°	216.9	5.8
40°-50°	231.2	6.2
50°-60°	213.2	5.7
60°-70°	163.8	4.4
70°-80°	92.8	2.5
80°-90°	24.4	0.7
90°-100°	39.4	1.0
100°-110°	185.4	4.9
110°-120°	336.0	8.9
120°-130°	431.6	11.5
130°-140°	459.2	12.2
140°-150°	422.5	11.2
150°-160°	334.6	8.9
160°-170°	212.4	5.7
170°-180°	72.9	1.9
0°-30°	321.4	8.6
0°-40°	538.3	14.3
0°-60°	982.8	26.2
0°-90°	1263.8	33.6
90°-120°	560.8	14.9
90°-150°	1874.0	49.9
90°-180°	2494.0	66.4
0°-180°	3757.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	393	393	393	393	393	
5°	395	392	394	393	390	38
15°	385	384	389	395	397	109
25°	364	364	379	386	390	168
35°	328	334	350	358	364	205
45°	280	288	302	311	317	216
55°	222	229	240	248	252	199
65°	156	159	166	172	176	154
75°	83	84	88	91	92	88
85°	19	20	20	21	21	22
90°	1	1	1	0	0	3
95°	26	27	30	31	33	34
105°	155	162	177	188	193	164
115°	304	316	343	364	374	299
125°	438	452	487	514	528	391
135°	553	562	600	626	641	427
145°	648	645	678	699	712	405
155°	716	706	724	740	748	330
165°	760	748	748	750	753	215
175°	780	771	766	760	754	74
180°	770	770	770	770	770	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	392.9	392.9	392.9	392.9	392.9
2.5°	396.3	392.9	393.8	393.8	388.7
5°	395.4	392.0	393.8	392.9	390.3
7.5°	393.8	391.2	393.8	393.8	392.0
10°	392.0	389.6	392.0	392.9	392.0
12.5°	389.6	387.1	391.2	392.9	393.8
15°	385.3	383.6	388.7	395.4	397.2
17.5°	381.2	380.3	388.0	395.4	396.3
20°	375.2	375.2	387.1	392.9	393.8
22.5°	370.3	370.3	383.6	389.6	392.9
25°	363.5	364.3	378.7	386.3	389.6
27.5°	355.9	358.4	372.7	381.2	384.5
30°	347.5	351.7	366.8	375.2	379.6
32.5°	337.4	343.1	358.4	366.8	371.0
35°	328.0	334.0	349.9	358.4	363.5
37.5°	316.3	323.8	339.8	348.2	354.2
40°	305.3	313.0	328.0	337.4	343.1
42.5°	292.6	301.0	315.4	324.7	330.5
45°	280.0	287.5	301.9	311.2	317.0
47.5°	266.5	274.1	288.5	296.9	302.6
50°	252.1	260.5	273.2	281.6	286.7
52.5°	237.7	245.3	257.2	265.7	270.7
55°	222.5	229.3	240.4	248.0	252.1
57.5°	206.5	213.2	222.5	230.2	234.4
60°	190.5	195.5	204.1	211.6	215.0
62.5°	173.7	178.0	185.5	191.5	195.5
65°	156.0	159.4	166.0	172.0	175.5
67.5°	137.5	140.8	146.7	151.8	154.3
70°	118.9	122.2	126.6	130.6	133.2
72.5°	101.1	102.9	107.1	110.5	112.2
75°	82.6	84.3	87.7	91.0	91.9
77.5°	65.8	66.6	69.3	70.9	71.7
80°	48.1	49.8	51.4	52.2	53.2
82.5°	32.8	33.7	34.5	35.4	36.1
85°	19.3	20.1	20.1	21.1	21.1
87.5°	8.4	9.3	9.3	9.3	9.3
90°	0.9	0.9	0.9	0.0	0.0
92.5°	8.4	8.4	9.3	10.0	10.9
95°	26.1	27.0	29.5	31.2	32.8
97.5°	52.2	54.0	58.9	63.3	64.9
100°	84.3	87.7	95.4	101.1	103.8
102.5°	118.9	123.9	135.0	143.4	147.6
105°	155.2	162.0	177.1	188.1	193.2
107.5°	192.3	200.8	220.1	232.7	239.5
110°	229.3	240.4	261.4	278.2	283.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	266.5	278.2	303.5	322.1	331.4
115°	303.5	316.3	343.1	364.3	374.5
117.5°	339.1	352.4	382.0	405.6	414.8
120°	372.7	387.1	419.1	443.6	454.5
122.5°	406.4	420.0	453.6	479.7	493.4
125°	438.5	452.0	486.6	513.5	527.9
127.5°	468.9	481.4	517.8	545.6	559.1
130°	498.3	510.2	547.2	574.4	589.5
132.5°	526.2	537.2	574.4	600.4	616.5
135°	553.2	561.6	599.5	625.6	640.9
137.5°	578.4	584.4	621.6	647.7	662.1
140°	603.7	605.5	641.7	666.1	681.3
142.5°	626.5	625.6	660.3	683.8	698.2
145°	647.7	645.1	678.0	699.0	711.7
147.5°	667.8	662.1	693.1	711.0	722.7
150°	685.5	678.0	705.0	722.7	732.7
152.5°	700.6	692.2	715.0	731.1	741.1
155°	715.9	705.9	724.3	739.5	748.0
157.5°	729.4	716.7	731.1	744.6	751.5
160°	741.1	728.7	737.8	748.0	753.1
162.5°	751.5	738.7	742.9	748.8	753.1
165°	759.9	748.0	748.0	750.4	753.1
167.5°	766.5	756.4	751.5	752.2	753.1
170°	772.5	762.3	757.2	752.2	751.5
172.5°	776.7	766.5	762.3	755.5	750.4
175°	779.9	770.8	765.6	759.9	753.9
177.5°	780.8	773.2	769.0	763.2	758.1
180°	769.9	769.9	769.9	769.9	769.9

(END OF REPORT)