

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: P275200

Luminaire Tested: **J3-UL-40L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275200
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-40L82765-1D-UNV-W2A-W-4 (3000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3788.1 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.37 / 1.44
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

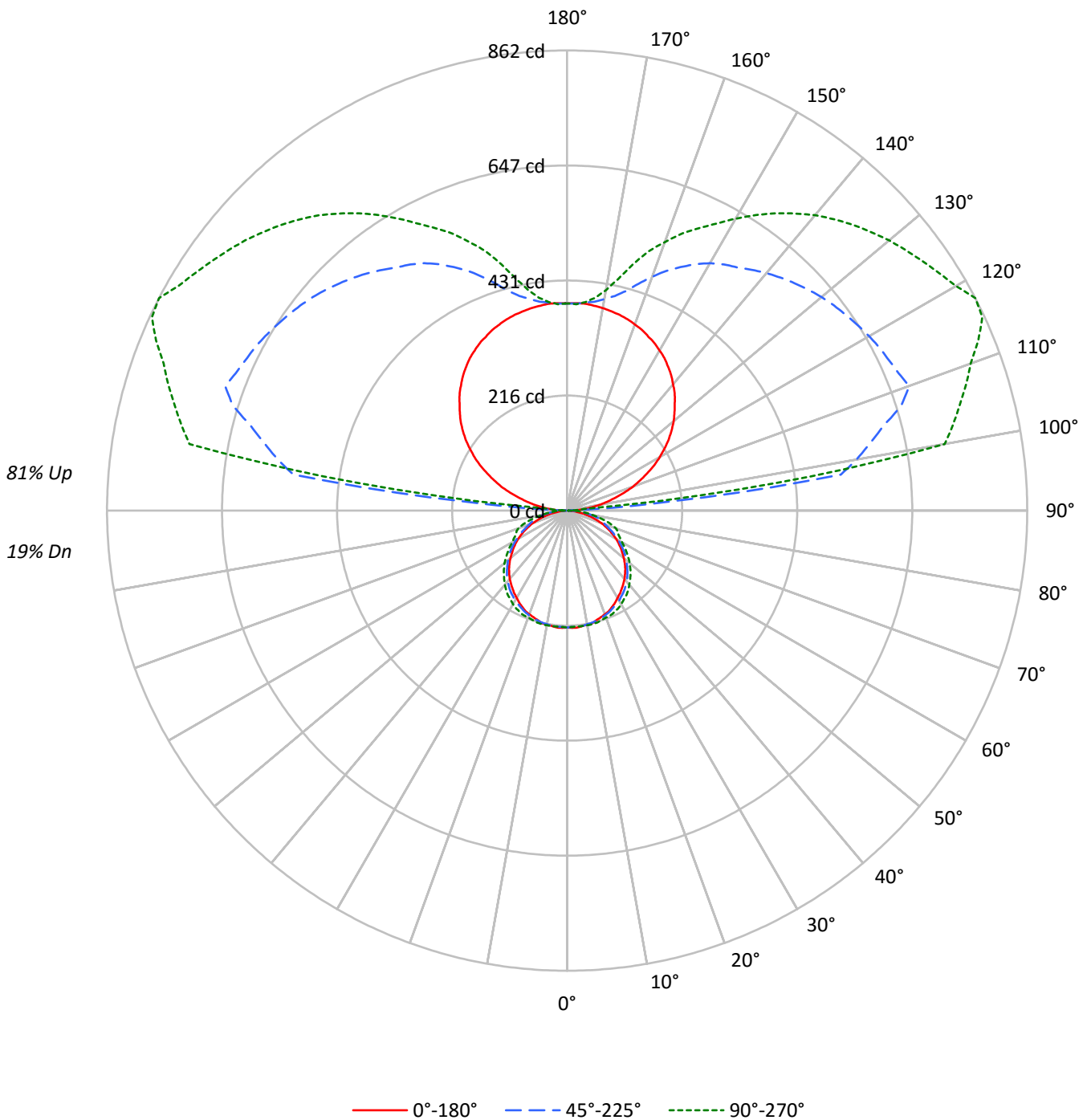
Input Watts (W): 27.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19
1	91	86	83	79	80	76	73	70	57	55	53	40	39	38	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°	1768	1768	1768
5°	1783	1767	1767
10°	1780	1772	1788
15°	1775	1783	1814
20°	1776	1792	1832
25°	1774	1799	1867
30°	1760	1813	1892
35°	1758	1823	1907
40°	1761	1821	1910
45°	1757	1821	1918
50°	1743	1814	1920
55°	1727	1807	1913
60°	1707	1783	1920
65°	1658	1767	2019
70°	1605	1782	2294
75°	1472	2031	2327
80°	1274	2064	2236
85°	963	2269	2538



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.8	0.5
10°-20°	60.6	1.6
20°-30°	93.8	2.5
30°-40°	116.0	3.1
40°-50°	123.7	3.3
50°-60°	115.3	3.0
60°-70°	94.1	2.5
70°-80°	64.8	1.7
80°-90°	25.4	0.7
90°-100°	220.6	5.8
100°-110°	571.7	15.1
110°-120°	593.1	15.7
120°-130°	527.9	13.9
130°-140°	439.8	11.6
140°-150°	334.9	8.8
150°-160°	225.6	6.0
160°-170°	122.5	3.2
170°-180°	37.7	1.0
0°-30°	175.2	4.6
0°-40°	291.2	7.7
0°-60°	530.2	14.0
0°-90°	714.5	18.9
90°-120°	1385.3	36.6
90°-150°	2687.9	71.0
90°-180°	3074.0	81.1
0°-180°	3788.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	219	219	219	219	219	
5°	220	220	218	218	218	21
15°	212	213	213	216	217	60
25°	199	199	202	208	210	92
35°	178	180	185	191	194	112
45°	154	156	160	165	168	119
55°	123	126	128	132	136	109
65°	87	89	92	101	106	86
75°	47	50	65	73	75	50
85°	10	20	24	28	27	12
90°	2	2	2	2	2	4
95°	32	249	192	31	30	32
105°	94	396	614	727	761	100
115°	165	409	666	831	858	164
125°	232	418	638	774	814	207
135°	285	430	602	720	757	220
145°	330	422	556	648	680	206
155°	360	403	503	567	583	166
165°	380	392	426	465	478	107
175°	389	391	391	393	392	37
180°	388	388	388	388	388	



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CATALOG NUMBER: J3-UL-40L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	219.0	219.0	219.0	219.0	219.0
2.5°	220.0	220.0	218.1	218.1	218.1
5°	220.0	220.0	218.1	218.1	218.1
7.5°	218.1	219.0	218.1	218.1	218.1
10°	217.1	217.1	216.2	217.1	218.1
12.5°	216.2	216.2	215.2	217.1	218.1
15°	212.4	213.3	213.3	216.2	217.1
17.5°	209.6	210.5	211.5	214.3	215.2
20°	206.7	206.7	208.6	212.4	213.3
22.5°	203.9	203.9	205.8	210.5	212.4
25°	199.2	199.2	202.0	207.7	209.6
27.5°	194.5	195.4	198.2	203.9	206.7
30°	188.8	190.7	194.5	200.1	203.0
32.5°	184.1	186.0	189.7	195.4	197.3
35°	178.4	180.3	185.0	190.7	193.5
37.5°	172.8	174.6	179.4	185.0	187.9
40°	167.1	169.0	172.8	179.4	181.2
42.5°	160.5	162.4	167.1	172.8	174.6
45°	153.9	155.8	159.5	165.2	168.0
47.5°	146.3	149.2	152.0	157.6	160.5
50°	138.8	141.6	144.4	150.1	152.9
52.5°	130.3	134.0	136.9	141.6	144.4
55°	122.7	125.6	128.4	132.2	135.9
57.5°	114.2	117.1	119.9	124.6	127.4
60°	105.7	107.6	110.4	115.2	118.9
62.5°	96.3	99.1	101.0	106.7	112.3
65°	86.8	88.7	92.5	101.0	105.7
67.5°	77.4	79.3	83.1	95.3	102.9
70°	68.0	69.9	75.5	92.5	97.2
72.5°	56.6	59.5	68.9	85.0	86.8
75°	47.2	50.0	65.1	72.7	74.6
77.5°	36.8	40.6	55.7	60.4	61.4
80°	27.4	34.0	44.4	48.1	48.1
82.5°	17.9	28.3	34.0	37.8	37.8
85°	10.4	19.8	24.5	28.3	27.4
87.5°	6.6	13.2	18.9	21.7	20.8
90°	1.9	1.9	1.9	1.9	1.9
92.5°	17.9	50.0	15.1	14.2	14.2
95°	32.1	249.2	191.6	31.2	30.2
97.5°	45.3	304.0	517.3	610.8	396.5
100°	61.4	361.6	550.4	680.6	718.4
102.5°	76.5	386.1	580.6	699.5	740.1
105°	93.5	395.5	613.6	726.9	760.9
107.5°	112.3	401.2	657.0	749.5	783.5
110°	131.2	404.0	681.6	779.7	804.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	148.2	405.9	672.1	810.9	833.6
115°	165.2	408.8	665.5	830.7	858.1
117.5°	184.1	410.6	659.9	811.8	861.9
120°	200.1	413.5	653.2	798.6	841.1
122.5°	216.2	416.3	645.7	786.4	826.9
125°	232.2	418.2	638.1	774.1	813.7
127.5°	246.4	420.1	630.6	760.9	800.5
130°	260.5	425.7	622.1	748.6	787.3
132.5°	272.8	429.5	612.7	733.5	772.2
135°	285.1	429.5	602.3	720.3	757.1
137.5°	298.3	429.5	591.9	703.3	740.1
140°	308.7	427.6	580.6	686.3	722.2
142.5°	320.0	425.7	568.3	668.4	701.4
145°	329.5	422.0	556.0	647.6	679.7
147.5°	338.9	417.2	546.6	626.8	656.1
150°	346.4	412.5	535.2	606.0	631.5
152.5°	354.0	406.9	520.1	586.2	606.0
155°	359.7	403.1	503.2	567.3	583.4
157.5°	366.3	400.3	486.2	545.6	561.7
160°	371.0	396.5	466.3	521.1	535.2
162.5°	375.7	393.6	445.6	494.7	509.8
165°	379.5	391.8	425.7	465.4	477.7
167.5°	382.3	390.8	411.6	436.1	444.6
170°	385.2	389.9	402.1	416.3	419.1
172.5°	387.0	389.9	394.6	401.2	402.1
175°	388.9	390.8	390.8	392.7	391.8
177.5°	388.9	389.9	388.0	388.9	387.0
180°	388.0	388.0	388.0	388.0	388.0

(END OF REPORT)