

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: P275210

Luminaire Tested: **J3-UL-40L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275210
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-40L92765-1D-UNV-W2A-W-4 (4000K)
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 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3543.4 lumens
Efficiency: N/A
Efficacy: 125.7 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

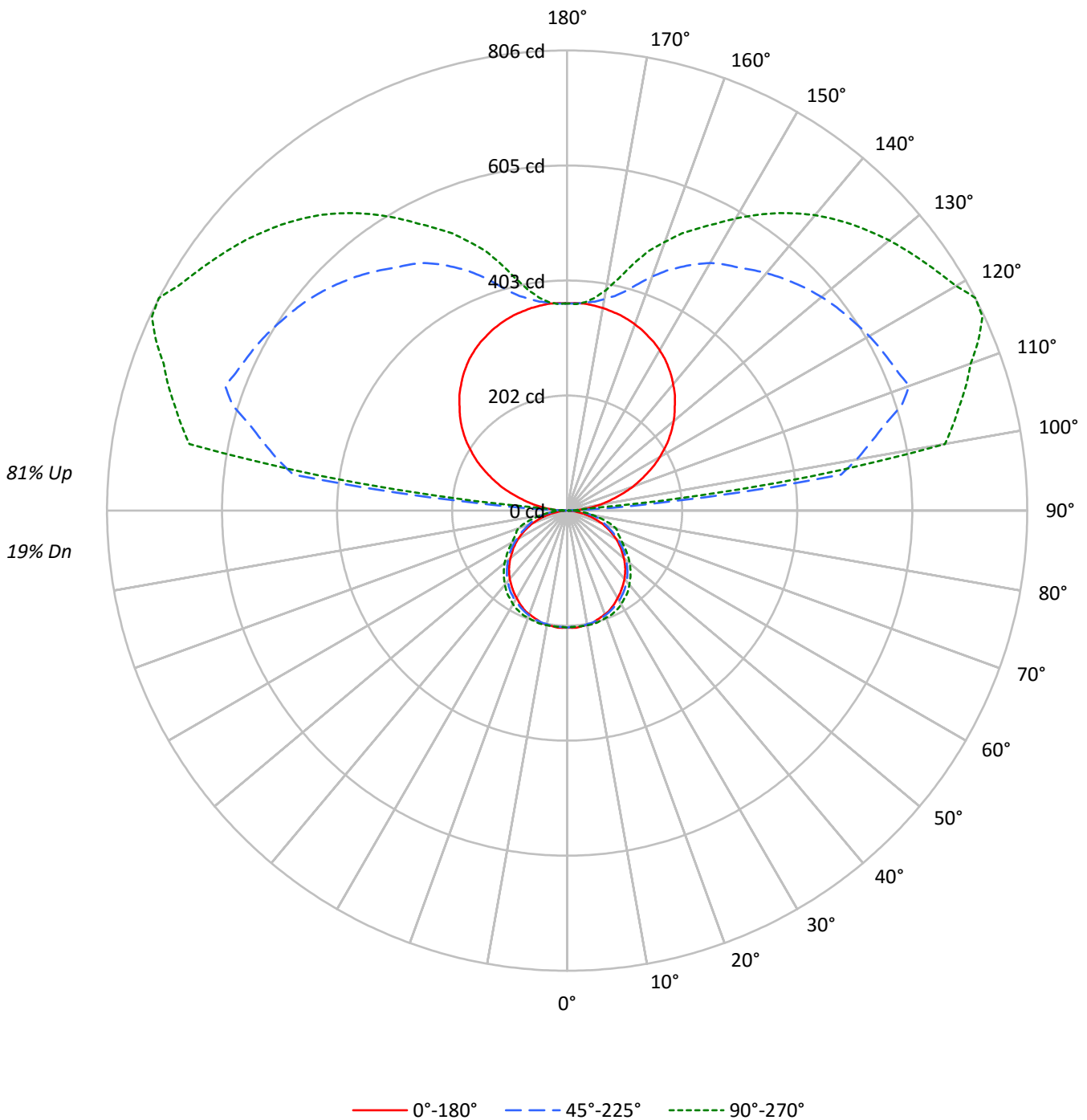
Input Watts (W): 28.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1654	1654	1654
5°	1667	1653	1653
10°	1665	1658	1672
15°	1661	1668	1697
20°	1662	1676	1715
25°	1659	1684	1746
30°	1646	1696	1769
35°	1645	1706	1784
40°	1647	1703	1786
45°	1643	1703	1795
50°	1630	1697	1796
55°	1616	1690	1790
60°	1597	1668	1797
65°	1551	1652	1889
70°	1501	1666	2146
75°	1379	1900	2177
80°	1190	1929	2092
85°	898	2130	2371



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.5	0.5
10°-20°	56.6	1.6
20°-30°	87.7	2.5
30°-40°	108.5	3.1
40°-50°	115.7	3.3
50°-60°	107.9	3.0
60°-70°	88.0	2.5
70°-80°	60.6	1.7
80°-90°	23.7	0.7
90°-100°	206.3	5.8
100°-110°	534.7	15.1
110°-120°	554.8	15.7
120°-130°	493.8	13.9
130°-140°	411.4	11.6
140°-150°	313.3	8.8
150°-160°	211.0	6.0
160°-170°	114.5	3.2
170°-180°	35.2	1.0
0°-30°	163.9	4.6
0°-40°	272.4	7.7
0°-60°	496.0	14.0
0°-90°	668.4	18.9
90°-120°	1295.8	36.6
90°-150°	2514.2	71.0
90°-180°	2875.0	81.1
0°-180°	3543.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	205	205	205	205	205	
5°	206	206	204	204	204	20
15°	199	200	200	202	203	56
25°	186	186	189	194	196	86
35°	167	169	173	178	181	105
45°	144	146	149	154	157	111
55°	115	117	120	124	127	102
65°	81	83	86	94	99	80
75°	44	47	61	68	70	46
85°	10	18	23	26	26	12
90°	2	2	2	2	2	4
95°	30	233	179	29	28	30
105°	87	370	574	680	712	93
115°	154	382	622	777	803	154
125°	217	391	597	724	761	194
135°	267	402	563	674	708	206
145°	308	395	520	606	636	193
155°	336	377	471	531	546	155
165°	355	366	398	435	447	100
175°	364	366	366	367	366	35
180°	363	363	363	363	363	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	204.9	204.9	204.9	204.9	204.9
2.5°	205.7	205.7	204.0	204.0	204.0
5°	205.7	205.7	204.0	204.0	204.0
7.5°	204.0	204.9	204.0	204.0	204.0
10°	203.1	203.1	202.2	203.1	204.0
12.5°	202.2	202.2	201.3	203.1	204.0
15°	198.7	199.6	199.6	202.2	203.1
17.5°	196.0	196.9	197.8	200.4	201.3
20°	193.4	193.4	195.1	198.7	199.6
22.5°	190.7	190.7	192.5	196.9	198.7
25°	186.3	186.3	189.0	194.3	196.0
27.5°	181.9	182.8	185.4	190.7	193.4
30°	176.6	178.4	181.9	187.2	189.8
32.5°	172.2	174.0	177.5	182.8	184.5
35°	166.9	168.7	173.1	178.4	181.0
37.5°	161.6	163.4	167.8	173.1	175.7
40°	156.3	158.1	161.6	167.8	169.5
42.5°	150.1	151.9	156.3	161.6	163.4
45°	143.9	145.7	149.2	154.5	157.2
47.5°	136.9	139.5	142.2	147.5	150.1
50°	129.8	132.5	135.1	140.4	143.0
52.5°	121.9	125.4	128.0	132.5	135.1
55°	114.8	117.4	120.1	123.6	127.2
57.5°	106.8	109.5	112.1	116.6	119.2
60°	98.9	100.7	103.3	107.7	111.3
62.5°	90.1	92.7	94.5	99.8	105.1
65°	81.2	83.0	86.5	94.5	98.9
67.5°	72.4	74.2	77.7	89.2	96.2
70°	63.6	65.3	70.6	86.5	90.9
72.5°	53.0	55.6	64.5	79.5	81.2
75°	44.2	46.8	60.9	68.0	69.8
77.5°	34.4	38.0	52.1	56.5	57.4
80°	25.6	31.8	41.5	45.0	45.0
82.5°	16.8	26.5	31.8	35.3	35.3
85°	9.7	18.5	23.0	26.5	25.6
87.5°	6.2	12.4	17.7	20.3	19.4
90°	1.8	1.8	1.8	1.8	1.8
92.5°	16.8	46.8	14.1	13.2	13.2
95°	30.0	233.1	179.2	29.1	28.3
97.5°	42.4	284.3	483.9	571.3	370.9
100°	57.4	338.2	514.8	636.6	672.0
102.5°	71.5	361.1	543.0	654.3	692.3
105°	87.4	370.0	574.0	679.9	711.7
107.5°	105.1	375.3	614.6	701.1	732.9
110°	122.7	377.9	637.5	729.4	752.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	138.6	379.7	628.7	758.5	779.7
115°	154.5	382.3	622.5	777.0	802.6
117.5°	172.2	384.1	617.2	759.4	806.2
120°	187.2	386.8	611.0	747.0	786.8
122.5°	202.2	389.4	604.0	735.5	773.5
125°	217.2	391.2	596.9	724.1	761.1
127.5°	230.5	392.9	589.8	711.7	748.8
130°	243.7	398.2	581.9	700.2	736.4
132.5°	255.2	401.8	573.1	686.1	722.3
135°	266.7	401.8	563.4	673.7	708.2
137.5°	279.0	401.8	553.6	657.8	692.3
140°	288.7	400.0	543.0	641.9	675.5
142.5°	299.3	398.2	531.6	625.2	656.1
145°	308.2	394.7	520.1	605.7	635.8
147.5°	317.0	390.3	511.3	586.3	613.7
150°	324.1	385.9	500.7	566.9	590.7
152.5°	331.1	380.6	486.5	548.3	566.9
155°	336.4	377.0	470.6	530.7	545.7
157.5°	342.6	374.4	454.7	510.4	525.4
160°	347.0	370.9	436.2	487.4	500.7
162.5°	351.4	368.2	416.8	462.7	476.8
165°	355.0	366.4	398.2	435.3	446.8
167.5°	357.6	365.6	385.0	407.9	415.9
170°	360.3	364.7	376.2	389.4	392.1
172.5°	362.0	364.7	369.1	375.3	376.2
175°	363.8	365.6	365.6	367.3	366.4
177.5°	363.8	364.7	362.9	363.8	362.0
180°	362.9	362.9	362.9	362.9	362.9

(END OF REPORT)