

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: P275017

Luminaire Tested: **J3-CL-40L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275017
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-CL-40L92765-1D-UNV-W2A-W-4 (3500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3289.9 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

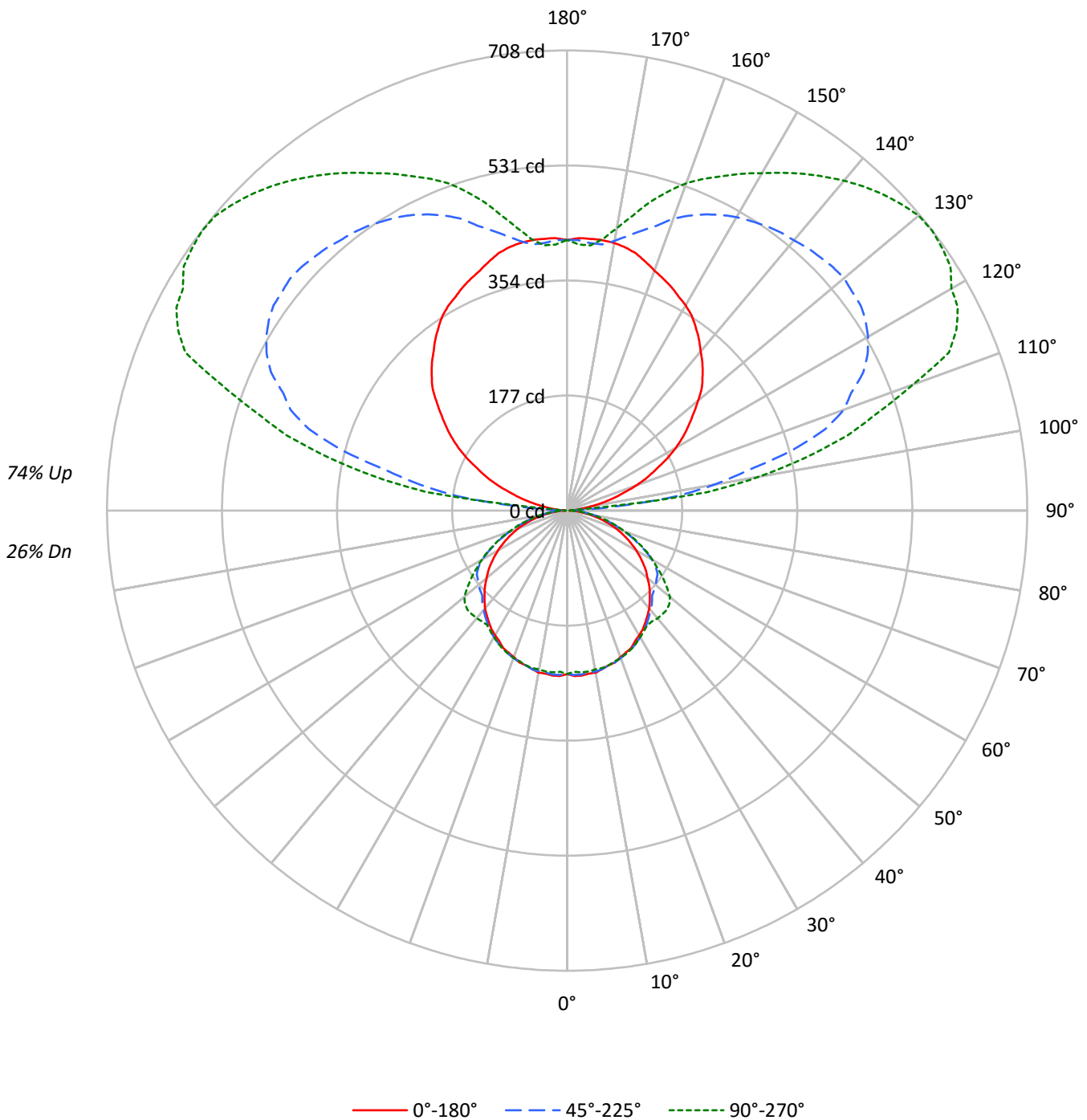
Input Watts (W): 28
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	92	88	84	80	82	78	75	72	61	58	56	44	43	42	29	28	28	21
2	84	76	70	65	74	68	63	59	53	49	46	38	36	34	25	24	23	17
3	76	67	60	54	67	60	54	49	46	42	38	34	31	29	22	21	19	14
4	69	59	51	45	61	53	46	41	41	36	32	30	27	24	20	18	16	12
5	63	52	44	38	56	47	40	35	36	31	28	27	23	21	18	16	14	10
6	58	46	39	33	52	42	35	30	32	28	24	24	21	18	16	14	12	9
7	54	42	34	29	48	37	31	26	29	24	21	22	18	16	14	12	11	8
8	50	38	30	25	44	34	27	23	26	22	18	20	16	14	13	11	9	7
9	46	34	27	22	41	31	24	20	24	19	16	18	15	12	12	10	8	6
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2030	2030	2030
5°	2065	2051	2024
10°	2075	2061	2034
15°	2059	2059	2059
20°	2060	2074	2074
25°	2076	2091	2091
30°	2065	2096	2096
35°	2068	2100	2117
40°	2071	2106	2282
45°	2053	2110	2472
50°	2028	2238	2593
55°	2016	2390	2531
60°	1989	2446	2446
65°	1941	2321	2353
70°	1886	2200	2240
75°	1765	2077	2130
80°	1627	2013	1934
85°	1547	2158	1853



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.0	0.7
10°-20°	69.6	2.1
20°-30°	107.5	3.3
30°-40°	133.4	4.1
40°-50°	149.3	4.5
50°-60°	145.8	4.4
60°-70°	115.1	3.5
70°-80°	69.6	2.1
80°-90°	24.8	0.8
90°-100°	85.5	2.6
100°-110°	330.5	10.0
110°-120°	454.1	13.8
120°-130°	459.5	14.0
130°-140°	407.2	12.4
140°-150°	322.1	9.8
150°-160°	224.9	6.8
160°-170°	127.3	3.9
170°-180°	39.9	1.2
0°-30°	201.1	6.1
0°-40°	334.5	10.2
0°-60°	629.6	19.1
0°-90°	839.1	25.5
90°-120°	870.1	26.4
90°-150°	2058.8	62.6
90°-180°	2451.0	74.5
0°-180°	3289.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	251	251	251	251	251	
5°	255	251	253	251	250	24
15°	246	245	246	246	246	70
25°	233	230	235	235	235	107
35°	210	210	213	215	215	131
45°	180	182	185	208	216	139
55°	143	145	170	180	180	128
65°	102	107	122	123	123	100
75°	57	67	67	68	68	60
85°	17	27	23	22	20	17
90°	3	10	8	2	2	3
95°	13	67	80	17	17	17
105°	73	236	358	413	446	78
115°	152	320	503	623	661	151
125°	228	370	551	671	704	204
135°	295	406	551	659	688	227
145°	345	416	534	613	633	216
155°	380	406	503	558	568	175
165°	410	408	446	484	491	115
175°	420	415	413	413	410	40
180°	416	416	416	416	416	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	251.4	251.4	251.4	251.4	251.4
2.5°	254.8	251.4	253.1	251.4	248.1
5°	254.8	251.4	253.1	251.4	249.8
7.5°	253.1	251.4	251.4	249.8	249.8
10°	253.1	249.8	251.4	249.8	248.1
12.5°	249.8	248.1	249.8	248.1	248.1
15°	246.4	244.8	246.4	246.4	246.4
17.5°	244.8	241.4	244.8	244.8	243.1
20°	239.8	238.1	241.4	241.4	241.4
22.5°	236.4	234.8	238.1	238.1	238.1
25°	233.1	229.8	234.8	234.8	234.8
27.5°	226.4	226.4	229.8	231.4	229.8
30°	221.5	219.8	224.8	226.4	224.8
32.5°	216.5	214.8	219.8	221.5	219.8
35°	209.8	209.8	213.1	214.8	214.8
37.5°	203.1	203.1	206.5	208.1	214.8
40°	196.5	196.5	199.8	209.8	216.5
42.5°	188.1	188.1	193.1	208.1	216.5
45°	179.8	181.5	184.8	208.1	216.5
47.5°	171.5	173.2	181.5	206.5	213.1
50°	161.5	164.8	178.2	201.5	206.5
52.5°	153.2	154.8	173.2	193.1	193.1
55°	143.2	144.9	169.8	179.8	179.8
57.5°	133.2	134.9	161.5	164.8	164.8
60°	123.2	124.9	151.5	151.5	151.5
62.5°	111.6	114.9	136.5	138.2	138.2
65°	101.6	106.6	121.5	123.2	123.2
67.5°	89.9	98.2	108.2	109.9	109.9
70°	79.9	89.9	93.2	94.9	94.9
72.5°	68.3	78.3	79.9	81.6	81.6
75°	56.6	66.6	66.6	68.3	68.3
77.5°	45.0	53.3	54.9	54.9	54.9
80°	35.0	40.0	43.3	41.6	41.6
82.5°	25.0	31.6	31.6	31.6	30.0
85°	16.7	26.6	23.3	21.6	20.0
87.5°	10.0	23.3	13.3	11.7	11.7
90°	3.3	10.0	8.3	1.7	1.7
92.5°	6.7	16.7	8.3	6.7	5.0
95°	13.3	66.6	79.9	16.7	16.7
97.5°	25.0	111.6	171.5	203.1	218.1
100°	38.3	166.5	229.8	281.4	299.7
102.5°	54.9	201.5	283.1	348.0	374.6
105°	73.3	236.4	358.0	412.9	446.2
107.5°	91.6	263.1	416.3	477.9	501.2
110°	113.2	284.7	452.9	559.5	566.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	133.2	301.4	472.9	599.4	636.0
115°	151.5	319.7	502.8	622.7	661.0
117.5°	173.2	333.0	521.2	636.0	677.7
120°	193.1	344.7	534.5	652.7	682.7
122.5°	211.5	358.0	544.5	666.0	699.3
125°	228.1	369.6	551.1	671.0	704.3
127.5°	244.8	379.6	552.8	672.7	707.6
130°	263.1	389.6	556.1	671.0	706.0
132.5°	281.4	399.6	554.5	666.0	697.7
135°	294.7	406.3	551.1	659.4	687.7
137.5°	308.0	411.3	547.8	649.4	676.0
140°	319.7	414.6	542.8	637.7	662.7
142.5°	333.0	416.3	539.5	626.1	647.7
145°	344.7	416.3	534.5	612.7	632.7
147.5°	356.3	414.6	527.8	599.4	616.1
150°	364.6	411.3	521.2	586.1	599.4
152.5°	371.3	407.9	512.8	571.1	584.4
155°	379.6	406.3	502.8	557.8	567.8
157.5°	386.3	406.3	491.2	542.8	552.8
160°	392.9	406.3	477.9	527.8	536.1
162.5°	401.3	406.3	459.6	506.2	514.5
165°	409.6	407.9	446.2	484.5	491.2
167.5°	414.6	407.9	432.9	457.9	464.5
170°	417.9	411.3	421.3	439.6	441.2
172.5°	419.6	414.6	412.9	421.3	421.3
175°	419.6	414.6	412.9	412.9	409.6
177.5°	419.6	416.3	416.3	414.6	409.6
180°	416.3	416.3	416.3	416.3	416.3

(END OF REPORT)