

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: P275019

Luminaire Tested: **J3-CL-40L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275019
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 (4500K)
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 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3482.1 lumens
Efficiency: N/A
Efficacy: 122.6 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

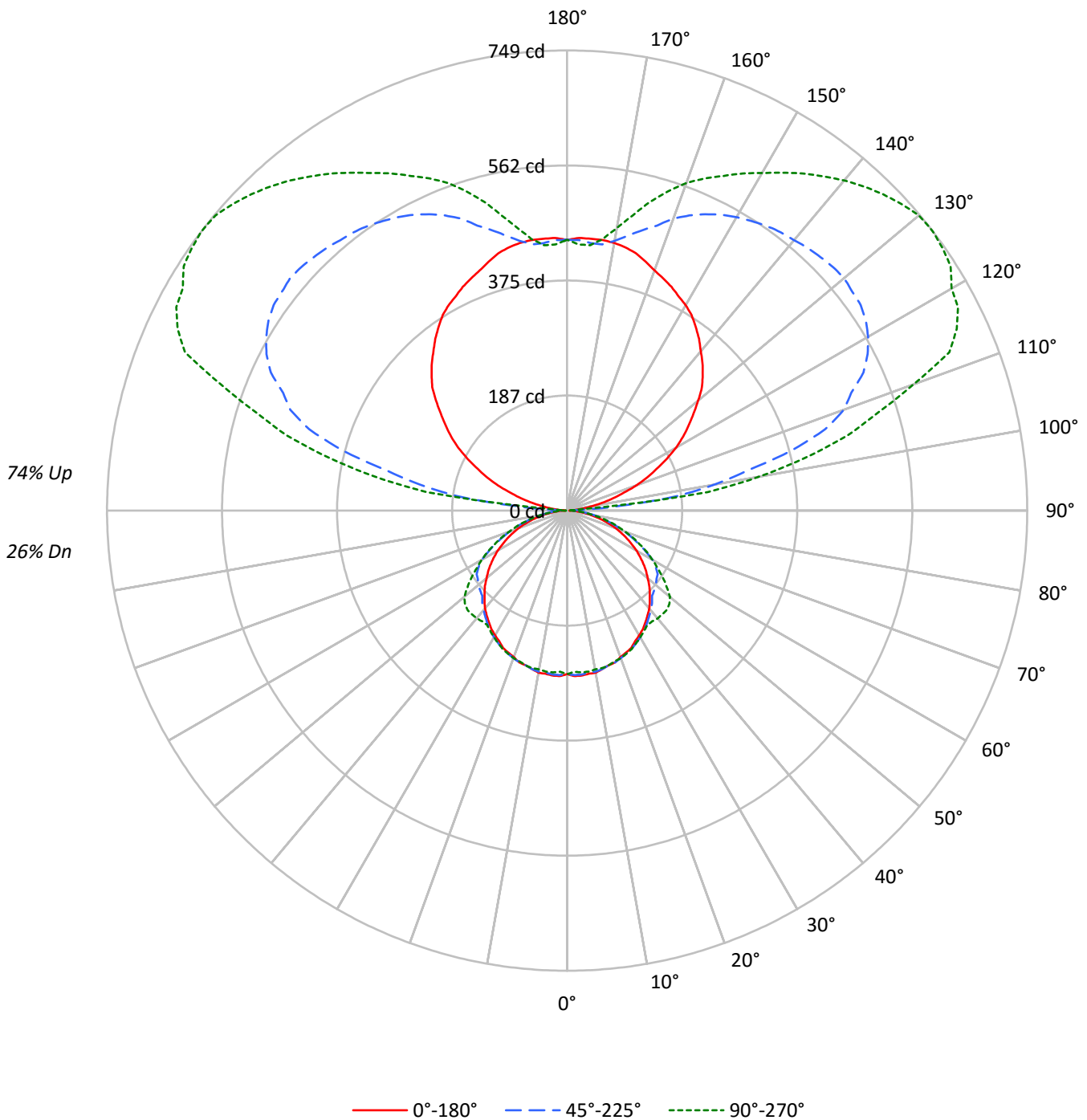
Input Watts (W): 28.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2148	2148	2148
5°	2185	2171	2142
10°	2196	2181	2153
15°	2180	2180	2180
20°	2180	2195	2195
25°	2197	2214	2214
30°	2185	2218	2218
35°	2188	2223	2240
40°	2192	2229	2414
45°	2173	2233	2616
50°	2146	2369	2744
55°	2134	2531	2678
60°	2105	2590	2590
65°	2053	2457	2491
70°	1997	2330	2372
75°	1868	2199	2255
80°	1720	2129	2050
85°	1630	2288	1954



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.4	0.7
10°-20°	73.6	2.1
20°-30°	113.8	3.3
30°-40°	141.2	4.1
40°-50°	158.0	4.5
50°-60°	154.4	4.4
60°-70°	121.8	3.5
70°-80°	73.7	2.1
80°-90°	26.2	0.8
90°-100°	90.4	2.6
100°-110°	349.8	10.0
110°-120°	480.7	13.8
120°-130°	486.3	14.0
130°-140°	431.0	12.4
140°-150°	340.9	9.8
150°-160°	238.0	6.8
160°-170°	134.7	3.9
170°-180°	42.2	1.2
0°-30°	212.8	6.1
0°-40°	354.0	10.2
0°-60°	666.4	19.1
0°-90°	888.1	25.5
90°-120°	920.9	26.4
90°-150°	2179.0	62.6
90°-180°	2594.0	74.5
0°-180°	3482.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	266	266	266	266	266	
5°	270	266	268	266	264	26
15°	261	259	261	261	261	74
25°	247	243	248	248	248	113
35°	222	222	226	227	227	139
45°	190	192	196	220	229	147
55°	152	153	180	190	190	135
65°	108	113	129	130	130	106
75°	60	70	70	72	72	63
85°	18	28	25	23	21	18
90°	4	11	9	2	2	3
95°	14	70	85	18	18	17
105°	78	250	379	437	472	82
115°	160	338	532	659	700	160
125°	241	391	583	710	746	216
135°	312	430	583	698	728	240
145°	365	441	566	648	670	228
155°	402	430	532	590	601	185
165°	434	432	472	513	520	122
175°	444	439	437	437	434	42
180°	441	441	441	441	441	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	266.1	266.1	266.1	266.1	266.1
2.5°	269.6	266.1	267.9	266.1	262.6
5°	269.6	266.1	267.9	266.1	264.3
7.5°	267.9	266.1	266.1	264.3	264.3
10°	267.9	264.3	266.1	264.3	262.6
12.5°	264.3	262.6	264.3	262.6	262.6
15°	260.8	259.1	260.8	260.8	260.8
17.5°	259.1	255.5	259.1	259.1	257.3
20°	253.8	252.0	255.5	255.5	255.5
22.5°	250.2	248.5	252.0	252.0	252.0
25°	246.7	243.2	248.5	248.5	248.5
27.5°	239.7	239.7	243.2	245.0	243.2
30°	234.4	232.6	237.9	239.7	237.9
32.5°	229.1	227.3	232.6	234.4	232.6
35°	222.0	222.0	225.6	227.3	227.3
37.5°	215.0	215.0	218.5	220.3	227.3
40°	208.0	208.0	211.5	222.0	229.1
42.5°	199.1	199.1	204.4	220.3	229.1
45°	190.3	192.1	195.6	220.3	229.1
47.5°	181.5	183.3	192.1	218.5	225.6
50°	170.9	174.5	188.6	213.2	218.5
52.5°	162.1	163.9	183.3	204.4	204.4
55°	151.6	153.3	179.8	190.3	190.3
57.5°	141.0	142.7	170.9	174.5	174.5
60°	130.4	132.2	160.4	160.4	160.4
62.5°	118.1	121.6	144.5	146.3	146.3
65°	107.5	112.8	128.6	130.4	130.4
67.5°	95.2	104.0	114.5	116.3	116.3
70°	84.6	95.2	98.7	100.5	100.5
72.5°	72.3	82.8	84.6	86.4	86.4
75°	59.9	70.5	70.5	72.3	72.3
77.5°	47.6	56.4	58.2	58.2	58.2
80°	37.0	42.3	45.8	44.1	44.1
82.5°	26.4	33.5	33.5	33.5	31.7
85°	17.6	28.2	24.7	22.9	21.1
87.5°	10.6	24.7	14.1	12.3	12.3
90°	3.5	10.6	8.8	1.8	1.8
92.5°	7.0	17.6	8.8	7.0	5.3
95°	14.1	70.5	84.6	17.6	17.6
97.5°	26.4	118.1	181.5	215.0	230.9
100°	40.5	176.2	243.2	297.8	317.2
102.5°	58.2	213.2	299.6	368.3	396.5
105°	77.5	250.2	378.9	437.0	472.3
107.5°	96.9	278.4	440.6	505.8	530.5
110°	119.8	301.4	479.3	592.1	599.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	141.0	319.0	500.5	634.4	673.2
115°	160.4	338.4	532.2	659.1	699.6
117.5°	183.3	352.5	551.6	673.2	717.3
120°	204.4	364.8	565.7	690.8	722.5
122.5°	223.8	378.9	576.3	704.9	740.2
125°	241.4	391.2	583.3	710.2	745.5
127.5°	259.1	401.8	585.1	712.0	749.0
130°	278.4	412.4	588.6	710.2	747.2
132.5°	297.8	423.0	586.8	704.9	738.4
135°	311.9	430.0	583.3	697.9	727.8
137.5°	326.0	435.3	579.8	687.3	715.5
140°	338.4	438.8	574.5	675.0	701.4
142.5°	352.5	440.6	571.0	662.6	685.5
145°	364.8	440.6	565.7	648.5	669.7
147.5°	377.1	438.8	558.6	634.4	652.1
150°	385.9	435.3	551.6	620.3	634.4
152.5°	393.0	431.8	542.8	604.5	618.6
155°	401.8	430.0	532.2	590.4	600.9
157.5°	408.9	430.0	519.9	574.5	585.1
160°	415.9	430.0	505.8	558.6	567.5
162.5°	424.7	430.0	486.4	535.7	544.6
165°	433.5	431.8	472.3	512.8	519.9
167.5°	438.8	431.8	458.2	484.6	491.7
170°	442.3	435.3	445.9	465.2	467.0
172.5°	444.1	438.8	437.0	445.9	445.9
175°	444.1	438.8	437.0	437.0	433.5
177.5°	444.1	440.6	440.6	438.8	433.5
180°	440.6	440.6	440.6	440.6	440.6

(END OF REPORT)