

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: P275016

Luminaire Tested: **J3-CL-40L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275016
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 (3000K)
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 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3132.3 lumens
Efficiency: N/A
Efficacy: 113.5 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

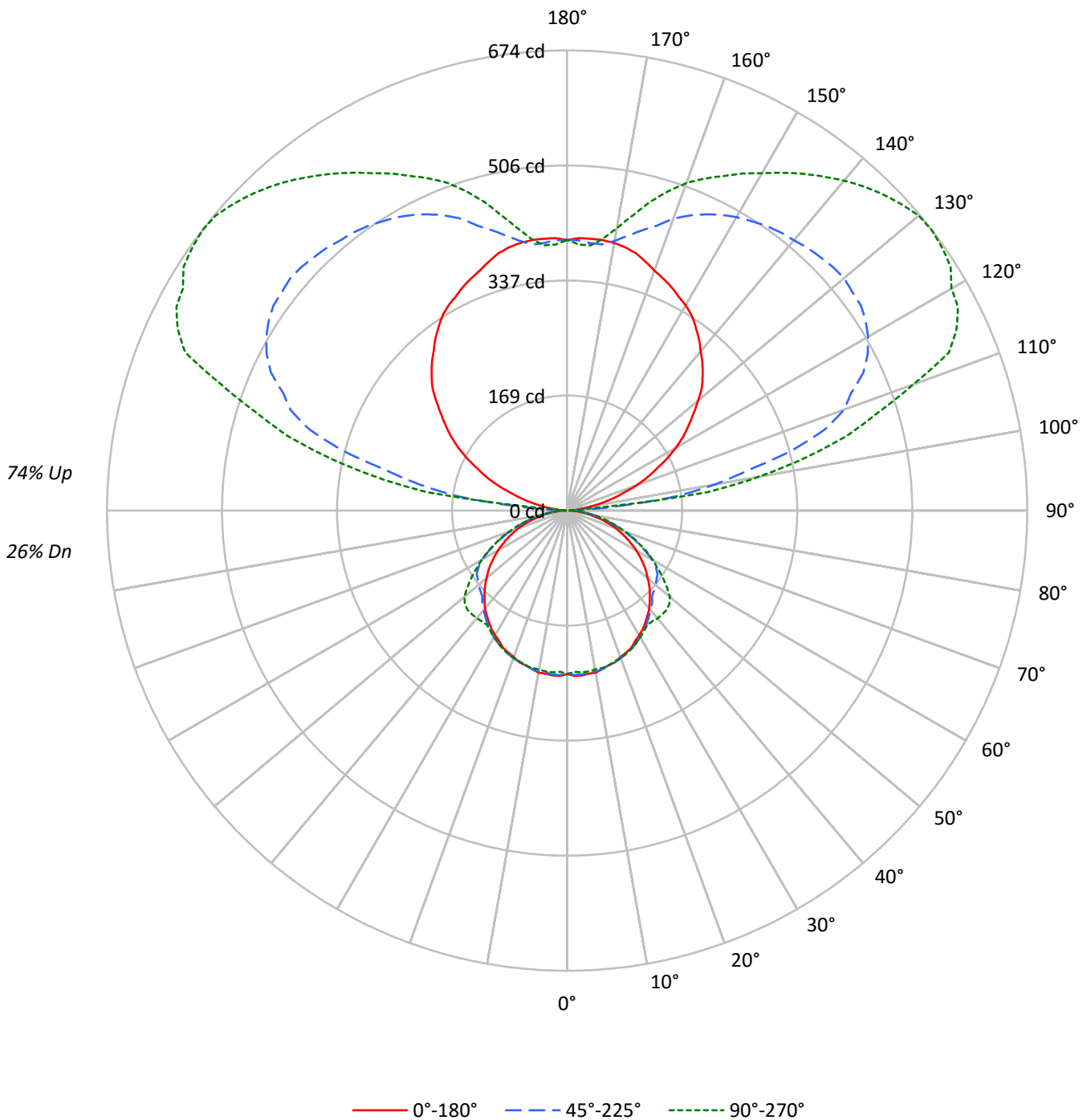
Input Watts (W): 27.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1933	1933	1933
5°	1965	1953	1927
10°	1976	1962	1936
15°	1961	1961	1961
20°	1961	1975	1975
25°	1977	1991	1991
30°	1965	1995	1995
35°	1968	2000	2015
40°	1972	2004	2172
45°	1955	2009	2353
50°	1932	2130	2469
55°	1918	2276	2410
60°	1894	2330	2330
65°	1847	2210	2241
70°	1796	2096	2134
75°	1681	1978	2027
80°	1548	1915	1841
85°	1473	2056	1760



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.8	0.7
10°-20°	66.2	2.1
20°-30°	102.4	3.3
30°-40°	127.0	4.1
40°-50°	142.1	4.5
50°-60°	138.9	4.4
60°-70°	109.6	3.5
70°-80°	66.3	2.1
80°-90°	23.6	0.8
90°-100°	81.4	2.6
100°-110°	314.6	10.0
110°-120°	432.4	13.8
120°-130°	437.4	14.0
130°-140°	387.7	12.4
140°-150°	306.6	9.8
150°-160°	214.1	6.8
160°-170°	121.2	3.9
170°-180°	38.0	1.2
0°-30°	191.5	6.1
0°-40°	318.5	10.2
0°-60°	599.4	19.1
0°-90°	798.9	25.5
90°-120°	828.4	26.4
90°-150°	1960.2	62.6
90°-180°	2333.0	74.5
0°-180°	3132.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	239	239	239	239	239	
5°	242	239	241	239	238	23
15°	235	233	235	235	235	66
25°	222	219	224	224	224	102
35°	200	200	203	204	204	125
45°	171	173	176	198	206	132
55°	136	138	162	171	171	122
65°	97	102	116	117	117	95
75°	54	63	63	65	65	57
85°	16	25	22	21	19	17
90°	3	10	8	2	2	3
95°	13	63	76	16	16	16
105°	70	225	341	393	425	74
115°	144	304	479	593	629	144
125°	217	352	525	639	671	194
135°	281	387	525	628	655	216
145°	328	396	509	583	602	205
155°	361	387	479	531	541	167
165°	390	388	425	461	468	110
175°	400	395	393	393	390	38
180°	396	396	396	396	396	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	239.4	239.4	239.4	239.4	239.4
2.5°	242.5	239.4	241.0	239.4	236.2
5°	242.5	239.4	241.0	239.4	237.8
7.5°	241.0	239.4	239.4	237.8	237.8
10°	241.0	237.8	239.4	237.8	236.2
12.5°	237.8	236.2	237.8	236.2	236.2
15°	234.6	233.0	234.6	234.6	234.6
17.5°	233.0	229.9	233.0	233.0	231.5
20°	228.3	226.7	229.9	229.9	229.9
22.5°	225.1	223.5	226.7	226.7	226.7
25°	221.9	218.8	223.5	223.5	223.5
27.5°	215.6	215.6	218.8	220.4	218.8
30°	210.8	209.3	214.0	215.6	214.0
32.5°	206.1	204.5	209.3	210.8	209.3
35°	199.7	199.7	202.9	204.5	204.5
37.5°	193.4	193.4	196.6	198.2	204.5
40°	187.1	187.1	190.2	199.7	206.1
42.5°	179.1	179.1	183.9	198.2	206.1
45°	171.2	172.8	176.0	198.2	206.1
47.5°	163.3	164.9	172.8	196.6	202.9
50°	153.8	156.9	169.6	191.8	196.6
52.5°	145.8	147.4	164.9	183.9	183.9
55°	136.3	137.9	161.7	171.2	171.2
57.5°	126.8	128.4	153.8	156.9	156.9
60°	117.3	118.9	144.3	144.3	144.3
62.5°	106.2	109.4	130.0	131.6	131.6
65°	96.7	101.5	115.7	117.3	117.3
67.5°	85.6	93.5	103.0	104.6	104.6
70°	76.1	85.6	88.8	90.4	90.4
72.5°	65.0	74.5	76.1	77.7	77.7
75°	53.9	63.4	63.4	65.0	65.0
77.5°	42.8	50.7	52.3	52.3	52.3
80°	33.3	38.0	41.2	39.6	39.6
82.5°	23.8	30.1	30.1	30.1	28.5
85°	15.9	25.4	22.2	20.6	19.0
87.5°	9.5	22.2	12.7	11.1	11.1
90°	3.2	9.5	7.9	1.6	1.6
92.5°	6.3	15.9	7.9	6.3	4.8
95°	12.7	63.4	76.1	15.9	15.9
97.5°	23.8	106.2	163.3	193.4	207.7
100°	36.5	158.5	218.8	267.9	285.4
102.5°	52.3	191.8	269.5	331.3	356.7
105°	69.8	225.1	340.8	393.2	424.9
107.5°	87.2	250.5	396.3	455.0	477.2
110°	107.8	271.1	431.2	532.7	539.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	126.8	286.9	450.2	570.7	605.6
115°	144.3	304.4	478.8	592.9	629.4
117.5°	164.9	317.1	496.2	605.6	645.2
120°	183.9	328.2	508.9	621.4	650.0
122.5°	201.3	340.8	518.4	634.1	665.8
125°	217.2	351.9	524.7	638.9	670.6
127.5°	233.0	361.4	526.3	640.5	673.7
130°	250.5	371.0	529.5	638.9	672.2
132.5°	267.9	380.5	527.9	634.1	664.2
135°	280.6	386.8	524.7	627.8	654.7
137.5°	293.3	391.6	521.6	618.3	643.6
140°	304.4	394.7	516.8	607.2	630.9
142.5°	317.1	396.3	513.6	596.1	616.7
145°	328.2	396.3	508.9	583.4	602.4
147.5°	339.3	394.7	502.5	570.7	586.6
150°	347.2	391.6	496.2	558.0	570.7
152.5°	353.5	388.4	488.3	543.8	556.4
155°	361.4	386.8	478.8	531.1	540.6
157.5°	367.8	386.8	467.7	516.8	526.3
160°	374.1	386.8	455.0	502.5	510.5
162.5°	382.1	386.8	437.5	481.9	489.9
165°	390.0	388.4	424.9	461.3	467.7
167.5°	394.7	388.4	412.2	436.0	442.3
170°	397.9	391.6	401.1	418.5	420.1
172.5°	399.5	394.7	393.2	401.1	401.1
175°	399.5	394.7	393.2	393.2	390.0
177.5°	399.5	396.3	396.3	394.7	390.0
180°	396.3	396.3	396.3	396.3	396.3

(END OF REPORT)