

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: P275015

Luminaire Tested: **J3-CL-40L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275015
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 (2700K)
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 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3013.0 lumens
Efficiency: N/A
Efficacy: 108.4 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

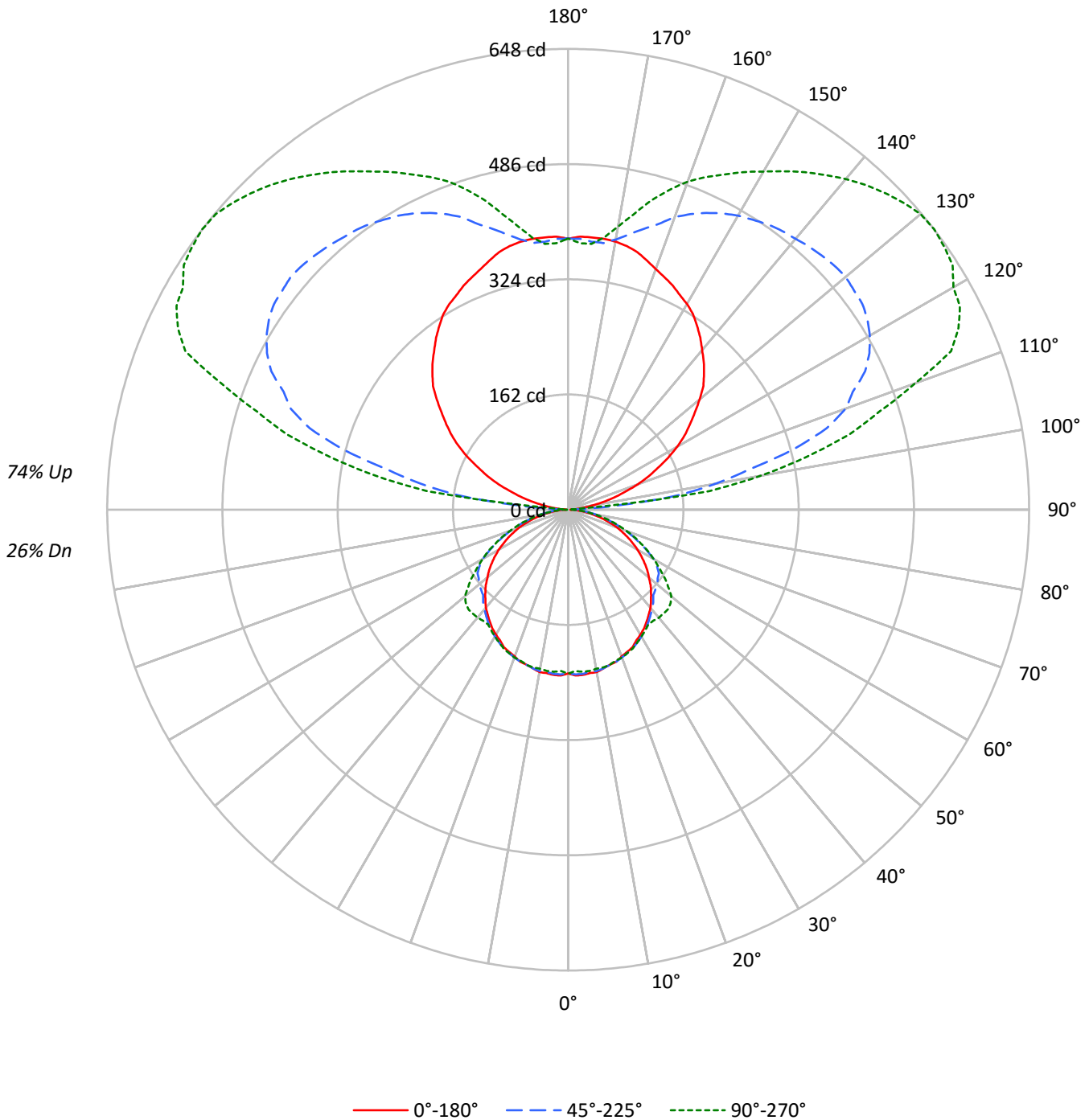
Input Watts (W): 27.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1859	1859	1859
5°	1891	1878	1853
10°	1900	1888	1862
15°	1886	1886	1886
20°	1887	1899	1899
25°	1902	1915	1915
30°	1890	1919	1919
35°	1893	1924	1939
40°	1896	1929	2089
45°	1880	1933	2263
50°	1858	2050	2375
55°	1845	2189	2318
60°	1821	2241	2241
65°	1777	2126	2155
70°	1728	2016	2051
75°	1616	1903	1949
80°	1488	1841	1771
85°	1408	1973	1695



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.0	0.7
10°-20°	63.7	2.1
20°-30°	98.5	3.3
30°-40°	122.2	4.1
40°-50°	136.7	4.5
50°-60°	133.6	4.4
60°-70°	105.4	3.5
70°-80°	63.8	2.1
80°-90°	22.7	0.8
90°-100°	78.3	2.6
100°-110°	302.7	10.0
110°-120°	415.9	13.8
120°-130°	420.8	14.0
130°-140°	372.9	12.4
140°-150°	295.0	9.8
150°-160°	206.0	6.8
160°-170°	116.5	3.9
170°-180°	36.5	1.2
0°-30°	184.2	6.1
0°-40°	306.3	10.2
0°-60°	576.6	19.1
0°-90°	768.4	25.5
90°-120°	796.8	26.4
90°-150°	1885.6	62.6
90°-180°	2245.0	74.5
0°-180°	3013.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	230	230	230	230	230	
5°	233	230	232	230	229	22
15°	226	224	226	226	226	64
25°	214	210	215	215	215	98
35°	192	192	195	197	197	120
45°	165	166	169	191	198	127
55°	131	133	156	165	165	117
65°	93	98	111	113	113	92
75°	52	61	61	62	62	55
85°	15	24	21	20	18	16
90°	3	9	8	2	2	3
95°	12	61	73	15	15	15
105°	67	216	328	378	409	71
115°	139	293	460	570	605	138
125°	209	338	505	615	645	187
135°	270	372	505	604	630	208
145°	316	381	490	561	580	197
155°	348	372	460	511	520	160
165°	375	374	409	444	450	106
175°	384	380	378	378	375	37
180°	381	381	381	381	381	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	230.3	230.3	230.3	230.3	230.3
2.5°	233.3	230.3	231.8	230.3	227.2
5°	233.3	230.3	231.8	230.3	228.7
7.5°	231.8	230.3	230.3	228.7	228.7
10°	231.8	228.7	230.3	228.7	227.2
12.5°	228.7	227.2	228.7	227.2	227.2
15°	225.7	224.2	225.7	225.7	225.7
17.5°	224.2	221.1	224.2	224.2	222.6
20°	219.6	218.1	221.1	221.1	221.1
22.5°	216.5	215.0	218.1	218.1	218.1
25°	213.5	210.4	215.0	215.0	215.0
27.5°	207.4	207.4	210.4	212.0	210.4
30°	202.8	201.3	205.9	207.4	205.9
32.5°	198.2	196.7	201.3	202.8	201.3
35°	192.1	192.1	195.2	196.7	196.7
37.5°	186.0	186.0	189.1	190.6	196.7
40°	179.9	179.9	183.0	192.1	198.2
42.5°	172.3	172.3	176.9	190.6	198.2
45°	164.7	166.2	169.3	190.6	198.2
47.5°	157.1	158.6	166.2	189.1	195.2
50°	147.9	151.0	163.2	184.5	189.1
52.5°	140.3	141.8	158.6	176.9	176.9
55°	131.1	132.7	155.5	164.7	164.7
57.5°	122.0	123.5	147.9	151.0	151.0
60°	112.8	114.4	138.8	138.8	138.8
62.5°	102.2	105.2	125.0	126.6	126.6
65°	93.0	97.6	111.3	112.8	112.8
67.5°	82.3	90.0	99.1	100.6	100.6
70°	73.2	82.3	85.4	86.9	86.9
72.5°	62.5	71.7	73.2	74.7	74.7
75°	51.8	61.0	61.0	62.5	62.5
77.5°	41.2	48.8	50.3	50.3	50.3
80°	32.0	36.6	39.6	38.1	38.1
82.5°	22.9	29.0	29.0	29.0	27.4
85°	15.2	24.4	21.3	19.8	18.3
87.5°	9.1	21.3	12.2	10.7	10.7
90°	3.0	9.1	7.6	1.5	1.5
92.5°	6.1	15.2	7.6	6.1	4.6
95°	12.2	61.0	73.2	15.2	15.2
97.5°	22.9	102.2	157.1	186.0	199.8
100°	35.1	152.5	210.4	257.7	274.5
102.5°	50.3	184.5	259.2	318.7	343.1
105°	67.1	216.5	327.9	378.2	408.7
107.5°	83.9	240.9	381.2	437.7	459.0
110°	103.7	260.8	414.8	512.4	518.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	122.0	276.0	433.1	549.0	582.5
115°	138.8	292.8	460.5	570.3	605.4
117.5°	158.6	305.0	477.3	582.5	620.7
120°	176.9	315.7	489.5	597.8	625.2
122.5°	193.7	327.9	498.7	610.0	640.5
125°	208.9	338.5	504.8	614.6	645.1
127.5°	224.2	347.7	506.3	616.1	648.1
130°	240.9	356.8	509.3	614.6	646.6
132.5°	257.7	366.0	507.8	610.0	639.0
135°	269.9	372.1	504.8	603.9	629.8
137.5°	282.1	376.7	501.7	594.7	619.1
140°	292.8	379.7	497.1	584.1	606.9
142.5°	305.0	381.2	494.1	573.4	593.2
145°	315.7	381.2	489.5	561.2	579.5
147.5°	326.3	379.7	483.4	549.0	564.2
150°	334.0	376.7	477.3	536.8	549.0
152.5°	340.1	373.6	469.7	523.1	535.3
155°	347.7	372.1	460.5	510.9	520.0
157.5°	353.8	372.1	449.9	497.1	506.3
160°	359.9	372.1	437.7	483.4	491.0
162.5°	367.5	372.1	420.9	463.6	471.2
165°	375.1	373.6	408.7	443.8	449.9
167.5°	379.7	373.6	396.5	419.4	425.5
170°	382.8	376.7	385.8	402.6	404.1
172.5°	384.3	379.7	378.2	385.8	385.8
175°	384.3	379.7	378.2	378.2	375.1
177.5°	384.3	381.2	381.2	379.7	375.1
180°	381.2	381.2	381.2	381.2	381.2

(END OF REPORT)