

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: P275047

Luminaire Tested: **J3-CL-60L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275047
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-60L92765-1D-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: 4532.3 lumens
Efficiency: N/A
Efficacy: 103.0 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

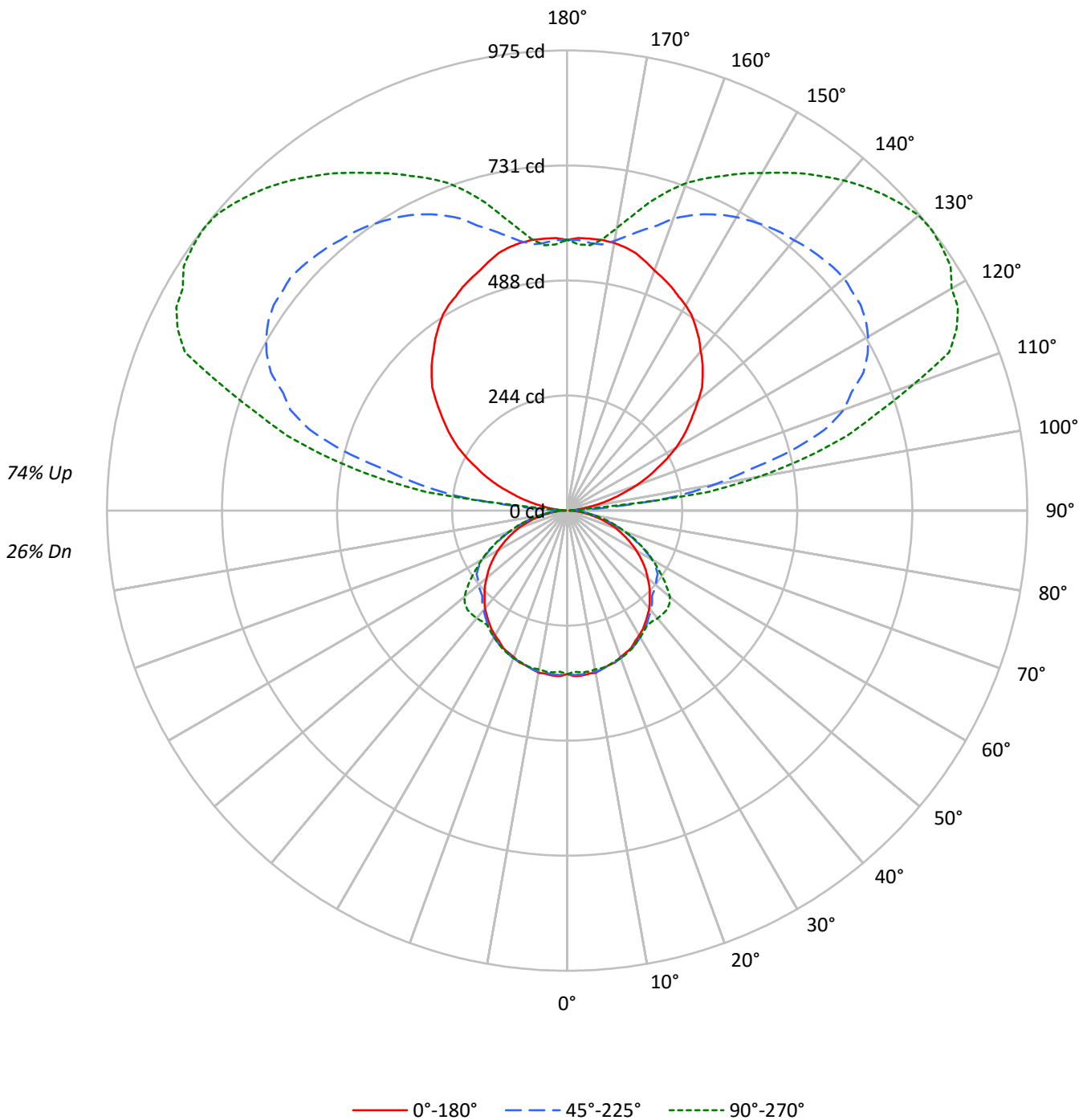
Input Watts (W): 44
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2796	2796	2796
5°	2844	2826	2789
10°	2858	2840	2802
15°	2837	2837	2837
20°	2838	2857	2857
25°	2860	2881	2881
30°	2844	2887	2887
35°	2848	2894	2916
40°	2853	2901	3143
45°	2828	2907	3405
50°	2794	3082	3572
55°	2777	3293	3486
60°	2740	3370	3370
65°	2672	3198	3242
70°	2599	3033	3085
75°	2433	2863	2932
80°	2241	2771	2664
85°	2121	2973	2547



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.0	0.7
10°-20°	95.9	2.1
20°-30°	148.1	3.3
30°-40°	183.8	4.1
40°-50°	205.6	4.5
50°-60°	200.9	4.4
60°-70°	158.5	3.5
70°-80°	95.9	2.1
80°-90°	34.2	0.8
90°-100°	117.7	2.6
100°-110°	455.3	10.0
110°-120°	625.6	13.8
120°-130°	633.0	14.0
130°-140°	561.0	12.4
140°-150°	443.7	9.8
150°-160°	309.8	6.8
160°-170°	175.3	3.9
170°-180°	55.0	1.2
0°-30°	277.0	6.1
0°-40°	460.8	10.2
0°-60°	867.4	19.1
0°-90°	1156.0	25.5
90°-120°	1198.6	26.4
90°-150°	2836.3	62.6
90°-180°	3376.0	74.5
0°-180°	4532.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	346	346	346	346	346	
5°	351	346	349	346	344	33
15°	340	337	340	340	340	96
25°	321	316	323	323	323	147
35°	289	289	294	296	296	181
45°	248	250	255	287	298	191
55°	197	200	234	248	248	176
65°	140	147	167	170	170	138
75°	78	92	92	94	94	83
85°	23	37	32	30	28	24
90°	5	14	12	2	2	4
95°	18	92	110	23	23	23
105°	101	326	493	569	615	107
115°	209	440	693	858	911	208
125°	314	509	759	924	970	281
135°	406	560	759	908	947	313
145°	475	574	736	844	872	297
155°	523	560	693	768	782	241
165°	564	562	615	668	677	159
175°	578	571	569	569	564	55
180°	574	574	574	574	574	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	346.4	346.4	346.4	346.4	346.4
2.5°	351.0	346.4	348.7	346.4	341.8
5°	351.0	346.4	348.7	346.4	344.1
7.5°	348.7	346.4	346.4	344.1	344.1
10°	348.7	344.1	346.4	344.1	341.8
12.5°	344.1	341.8	344.1	341.8	341.8
15°	339.5	337.2	339.5	339.5	339.5
17.5°	337.2	332.6	337.2	337.2	334.9
20°	330.3	328.0	332.6	332.6	332.6
22.5°	325.7	323.4	328.0	328.0	328.0
25°	321.1	316.5	323.4	323.4	323.4
27.5°	312.0	312.0	316.5	318.8	316.5
30°	305.1	302.8	309.7	312.0	309.7
32.5°	298.2	295.9	302.8	305.1	302.8
35°	289.0	289.0	293.6	295.9	295.9
37.5°	279.8	279.8	284.4	286.7	295.9
40°	270.7	270.7	275.3	289.0	298.2
42.5°	259.2	259.2	266.1	286.7	298.2
45°	247.7	250.0	254.6	286.7	298.2
47.5°	236.3	238.6	250.0	284.4	293.6
50°	222.5	227.1	245.4	277.6	284.4
52.5°	211.0	213.3	238.6	266.1	266.1
55°	197.3	199.6	234.0	247.7	247.7
57.5°	183.5	185.8	222.5	227.1	227.1
60°	169.7	172.0	208.7	208.7	208.7
62.5°	153.7	158.3	188.1	190.4	190.4
65°	139.9	146.8	167.4	169.7	169.7
67.5°	123.9	135.3	149.1	151.4	151.4
70°	110.1	123.9	128.5	130.7	130.7
72.5°	94.0	107.8	110.1	112.4	112.4
75°	78.0	91.8	91.8	94.0	94.0
77.5°	61.9	73.4	75.7	75.7	75.7
80°	48.2	55.1	59.6	57.3	57.3
82.5°	34.4	43.6	43.6	43.6	41.3
85°	22.9	36.7	32.1	29.8	27.5
87.5°	13.8	32.1	18.4	16.1	16.1
90°	4.6	13.8	11.5	2.3	2.3
92.5°	9.2	22.9	11.5	9.2	6.9
95°	18.4	91.8	110.1	22.9	22.9
97.5°	34.4	153.7	236.3	279.8	300.5
100°	52.8	229.4	316.5	387.7	412.9
102.5°	75.7	277.6	389.9	479.4	516.1
105°	100.9	325.7	493.2	568.9	614.7
107.5°	126.2	362.4	573.5	658.3	690.4
110°	156.0	392.2	623.9	770.7	779.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	183.5	415.2	651.4	825.8	876.2
115°	208.7	440.4	692.7	857.9	910.6
117.5°	238.6	458.8	718.0	876.2	933.6
120°	266.1	474.8	736.3	899.2	940.5
122.5°	291.3	493.2	750.1	917.5	963.4
125°	314.3	509.2	759.3	924.4	970.3
127.5°	337.2	523.0	761.5	926.7	974.9
130°	362.4	536.8	766.1	924.4	972.6
132.5°	387.7	550.5	763.8	917.5	961.1
135°	406.0	559.7	759.3	908.4	947.3
137.5°	424.4	566.6	754.7	894.6	931.3
140°	440.4	571.2	747.8	878.5	912.9
142.5°	458.8	573.5	743.2	862.5	892.3
145°	474.8	573.5	736.3	844.1	871.7
147.5°	490.9	571.2	727.1	825.8	848.7
150°	502.3	566.6	718.0	807.4	825.8
152.5°	511.5	562.0	706.5	786.8	805.1
155°	523.0	559.7	692.7	768.4	782.2
157.5°	532.2	559.7	676.7	747.8	761.5
160°	541.3	559.7	658.3	727.1	738.6
162.5°	552.8	559.7	633.1	697.3	708.8
165°	564.3	562.0	614.7	667.5	676.7
167.5°	571.2	562.0	596.4	630.8	640.0
170°	575.7	566.6	580.3	605.6	607.9
172.5°	578.0	571.2	568.9	580.3	580.3
175°	578.0	571.2	568.9	568.9	564.3
177.5°	578.0	573.5	573.5	571.2	564.3
180°	573.5	573.5	573.5	573.5	573.5

(END OF REPORT)