

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: P253486

Luminaire Tested: **J3-CL-60L93050-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253486
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-60L93050-1D-UNV-W2A-W-4 (4000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (336) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5309.9 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

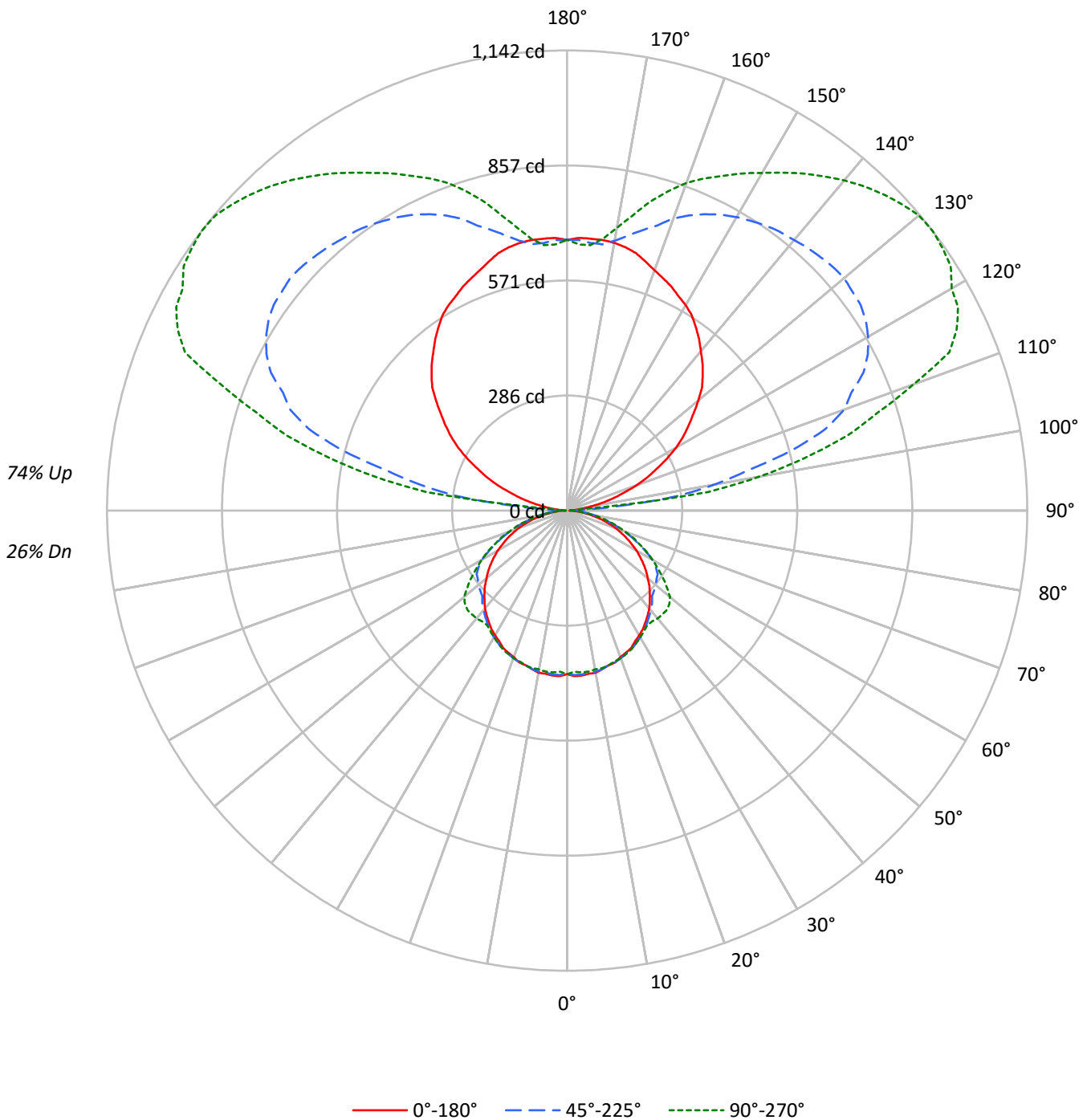
Input Watts (W): 45.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3276	3276	3276
5°	3332	3310	3267
10°	3349	3327	3282
15°	3324	3324	3324
20°	3325	3348	3348
25°	3351	3375	3375
30°	3332	3382	3382
35°	3337	3390	3417
40°	3342	3399	3682
45°	3313	3406	3989
50°	3274	3611	4185
55°	3253	3858	4084
60°	3211	3949	3949
65°	3131	3748	3799
70°	3045	3552	3616
75°	2851	3353	3437
80°	2622	3250	3124
85°	2492	3483	2983



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.7	0.7
10°-20°	112.3	2.1
20°-30°	173.6	3.3
30°-40°	215.3	4.1
40°-50°	240.9	4.5
50°-60°	235.4	4.4
60°-70°	185.7	3.5
70°-80°	112.4	2.1
80°-90°	40.0	0.8
90°-100°	137.9	2.6
100°-110°	533.4	10.0
110°-120°	733.0	13.8
120°-130°	741.6	14.0
130°-140°	657.2	12.4
140°-150°	519.8	9.8
150°-160°	362.9	6.8
160°-170°	205.4	3.9
170°-180°	64.4	1.2
0°-30°	324.6	6.1
0°-40°	539.9	10.2
0°-60°	1016.2	19.1
0°-90°	1354.3	25.5
90°-120°	1404.3	26.4
90°-150°	3322.9	62.6
90°-180°	3956.0	74.5
0°-180°	5309.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	406	406	406	406	406	
5°	411	406	408	406	403	39
15°	398	395	398	398	398	113
25°	376	371	379	379	379	173
35°	339	339	344	347	347	212
45°	290	293	298	336	349	224
55°	231	234	274	290	290	207
65°	164	172	196	199	199	162
75°	91	108	108	110	110	97
85°	27	43	38	35	32	28
90°	5	16	13	3	3	5
95°	22	108	129	27	27	27
105°	118	382	578	666	720	126
115°	245	516	812	1005	1067	244
125°	368	597	890	1083	1137	329
135°	476	656	890	1064	1110	366
145°	556	672	863	989	1021	348
155°	613	656	812	900	916	283
165°	661	658	720	782	793	186
175°	677	669	666	666	661	65
180°	672	672	672	672	672	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	405.8	405.8	405.8	405.8	405.8
2.5°	411.2	405.8	408.5	405.8	400.4
5°	411.2	405.8	408.5	405.8	403.1
7.5°	408.5	405.8	405.8	403.1	403.1
10°	408.5	403.1	405.8	403.1	400.4
12.5°	403.1	400.4	403.1	400.4	400.4
15°	397.7	395.0	397.7	397.7	397.7
17.5°	395.0	389.7	395.0	395.0	392.4
20°	387.0	384.3	389.7	389.7	389.7
22.5°	381.6	378.9	384.3	384.3	384.3
25°	376.2	370.9	378.9	378.9	378.9
27.5°	365.5	365.5	370.9	373.5	370.9
30°	357.4	354.7	362.8	365.5	362.8
32.5°	349.4	346.7	354.7	357.4	354.7
35°	338.6	338.6	344.0	346.7	346.7
37.5°	327.9	327.9	333.2	335.9	346.7
40°	317.1	317.1	322.5	338.6	349.4
42.5°	303.7	303.7	311.7	335.9	349.4
45°	290.2	292.9	298.3	335.9	349.4
47.5°	276.8	279.5	292.9	333.2	344.0
50°	260.7	266.1	287.5	325.2	333.2
52.5°	247.2	249.9	279.5	311.7	311.7
55°	231.1	233.8	274.1	290.2	290.2
57.5°	215.0	217.7	260.7	266.1	266.1
60°	198.9	201.6	244.6	244.6	244.6
62.5°	180.1	185.4	220.4	223.1	223.1
65°	163.9	172.0	196.2	198.9	198.9
67.5°	145.1	158.6	174.7	177.4	177.4
70°	129.0	145.1	150.5	153.2	153.2
72.5°	110.2	126.3	129.0	131.7	131.7
75°	91.4	107.5	107.5	110.2	110.2
77.5°	72.6	86.0	88.7	88.7	88.7
80°	56.4	64.5	69.9	67.2	67.2
82.5°	40.3	51.1	51.1	51.1	48.4
85°	26.9	43.0	37.6	34.9	32.2
87.5°	16.1	37.6	21.5	18.8	18.8
90°	5.4	16.1	13.4	2.7	2.7
92.5°	10.7	26.9	13.4	10.7	8.1
95°	21.5	107.5	129.0	26.9	26.9
97.5°	40.3	180.1	276.8	327.9	352.0
100°	61.8	268.7	370.9	454.2	483.7
102.5°	88.7	325.2	456.9	561.7	604.7
105°	118.2	381.6	577.8	666.5	720.2
107.5°	147.8	424.6	671.8	771.3	808.9
110°	182.7	459.5	731.0	903.0	913.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	215.0	486.4	763.2	967.5	1026.6
115°	244.6	516.0	811.6	1005.1	1066.9
117.5°	279.5	537.5	841.1	1026.6	1093.8
120°	311.7	556.3	862.6	1053.5	1101.8
122.5°	341.3	577.8	878.8	1074.9	1128.7
125°	368.2	596.6	889.5	1083.0	1136.8
127.5°	395.0	612.7	892.2	1085.7	1142.1
130°	424.6	628.8	897.6	1083.0	1139.4
132.5°	454.2	645.0	894.9	1074.9	1126.0
135°	475.7	655.7	889.5	1064.2	1109.9
137.5°	497.2	663.8	884.1	1048.1	1091.1
140°	516.0	669.2	876.1	1029.3	1069.6
142.5°	537.5	671.8	870.7	1010.5	1045.4
145°	556.3	671.8	862.6	989.0	1021.2
147.5°	575.1	669.2	851.9	967.5	994.3
150°	588.5	663.8	841.1	946.0	967.5
152.5°	599.3	658.4	827.7	921.8	943.3
155°	612.7	655.7	811.6	900.3	916.4
157.5°	623.5	655.7	792.8	876.1	892.2
160°	634.2	655.7	771.3	851.9	865.3
162.5°	647.7	655.7	741.7	817.0	830.4
165°	661.1	658.4	720.2	782.0	792.8
167.5°	669.2	658.4	698.7	739.0	749.8
170°	674.5	663.8	679.9	709.5	712.2
172.5°	677.2	669.2	666.5	679.9	679.9
175°	677.2	669.2	666.5	666.5	661.1
177.5°	677.2	671.8	671.8	669.2	661.1
180°	671.8	671.8	671.8	671.8	671.8

(END OF REPORT)