

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: P275041

Luminaire Tested: **J3-CL-60L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275041
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-60L82765-1D-UNV-W2A-W-4 (3500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5648.0 lumens
Efficiency: N/A
Efficacy: 127.5 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

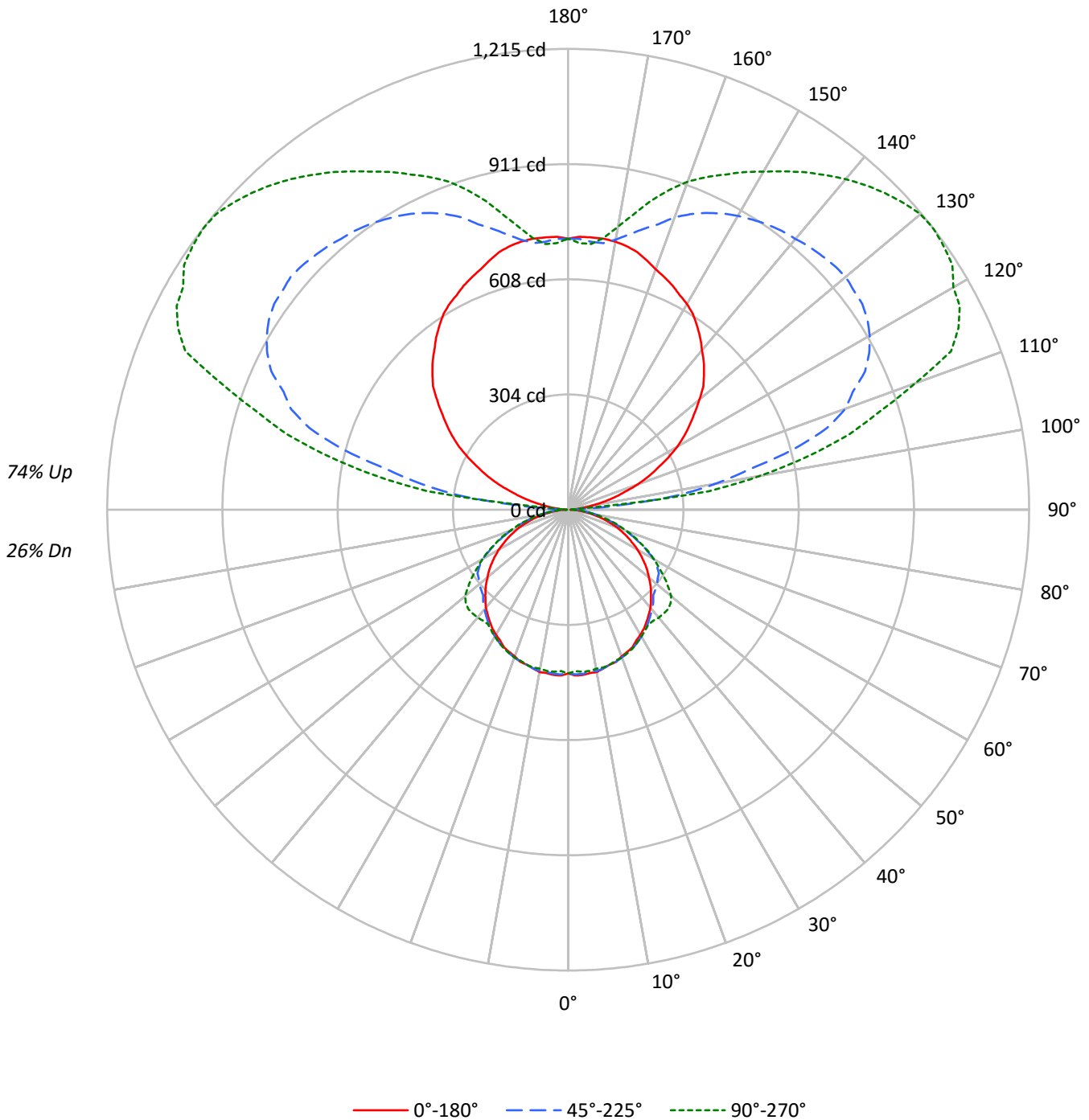
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3484	3484	3484
5°	3545	3521	3475
10°	3562	3538	3491
15°	3536	3536	3536
20°	3536	3561	3561
25°	3565	3590	3590
30°	3544	3597	3597
35°	3550	3606	3634
40°	3555	3615	3916
45°	3524	3623	4243
50°	3483	3842	4452
55°	3460	4104	4345
60°	3415	4200	4200
65°	3331	3987	4040
70°	3238	3779	3845
75°	3032	3565	3656
80°	2789	3454	3324
85°	2649	3705	3177



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.2	0.7
10°-20°	119.5	2.1
20°-30°	184.6	3.3
30°-40°	229.0	4.1
40°-50°	256.3	4.5
50°-60°	250.4	4.4
60°-70°	197.6	3.5
70°-80°	119.5	2.1
80°-90°	42.6	0.8
90°-100°	146.7	2.6
100°-110°	567.3	10.0
110°-120°	779.7	13.8
120°-130°	788.8	14.0
130°-140°	699.1	12.4
140°-150°	552.9	9.8
150°-160°	386.0	6.8
160°-170°	218.5	3.9
170°-180°	68.5	1.2
0°-30°	345.2	6.1
0°-40°	574.2	10.2
0°-60°	1080.9	19.1
0°-90°	1440.6	25.5
90°-120°	1493.7	26.4
90°-150°	3534.4	62.6
90°-180°	4207.0	74.5
0°-180°	5648.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	432	432	432	432	432	
5°	437	432	434	432	429	42
15°	423	420	423	423	423	120
25°	400	394	403	403	403	184
35°	360	360	366	369	369	225
45°	309	312	317	357	372	238
55°	246	249	292	309	309	220
65°	174	183	209	212	212	172
75°	97	114	114	117	117	103
85°	29	46	40	37	34	30
90°	6	17	14	3	3	5
95°	23	114	137	29	29	28
105°	126	406	615	709	766	134
115°	260	549	863	1069	1135	259
125°	392	635	946	1152	1209	350
135°	506	698	946	1132	1181	390
145°	592	715	918	1052	1086	370
155°	652	698	863	958	975	300
165°	703	700	766	832	843	198
175°	720	712	709	709	703	69
180°	715	715	715	715	715	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	431.6	431.6	431.6	431.6	431.6
2.5°	437.4	431.6	434.5	431.6	425.9
5°	437.4	431.6	434.5	431.6	428.8
7.5°	434.5	431.6	431.6	428.8	428.8
10°	434.5	428.8	431.6	428.8	425.9
12.5°	428.8	425.9	428.8	425.9	425.9
15°	423.1	420.2	423.1	423.1	423.1
17.5°	420.2	414.5	420.2	420.2	417.3
20°	411.6	408.8	414.5	414.5	414.5
22.5°	405.9	403.0	408.8	408.8	408.8
25°	400.2	394.5	403.0	403.0	403.0
27.5°	388.8	388.8	394.5	397.3	394.5
30°	380.2	377.3	385.9	388.8	385.9
32.5°	371.6	368.7	377.3	380.2	377.3
35°	360.2	360.2	365.9	368.7	368.7
37.5°	348.7	348.7	354.5	357.3	368.7
40°	337.3	337.3	343.0	360.2	371.6
42.5°	323.0	323.0	331.6	357.3	371.6
45°	308.7	311.6	317.3	357.3	371.6
47.5°	294.4	297.3	311.6	354.5	365.9
50°	277.3	283.0	305.9	345.9	354.5
52.5°	263.0	265.8	297.3	331.6	331.6
55°	245.8	248.7	291.6	308.7	308.7
57.5°	228.7	231.5	277.3	283.0	283.0
60°	211.5	214.4	260.1	260.1	260.1
62.5°	191.5	197.2	234.4	237.3	237.3
65°	174.4	182.9	208.7	211.5	211.5
67.5°	154.4	168.7	185.8	188.7	188.7
70°	137.2	154.4	160.1	162.9	162.9
72.5°	117.2	134.3	137.2	140.1	140.1
75°	97.2	114.3	114.3	117.2	117.2
77.5°	77.2	91.5	94.3	94.3	94.3
80°	60.0	68.6	74.3	71.5	71.5
82.5°	42.9	54.3	54.3	54.3	51.5
85°	28.6	45.7	40.0	37.2	34.3
87.5°	17.2	40.0	22.9	20.0	20.0
90°	5.7	17.2	14.3	2.9	2.9
92.5°	11.4	28.6	14.3	11.4	8.6
95°	22.9	114.3	137.2	28.6	28.6
97.5°	42.9	191.5	294.4	348.7	374.5
100°	65.7	285.9	394.5	483.1	514.5
102.5°	94.3	345.9	485.9	597.4	643.2
105°	125.8	405.9	614.6	708.9	766.1
107.5°	157.2	451.6	714.6	820.4	860.4
110°	194.4	488.8	777.5	960.5	971.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	228.7	517.4	811.8	1029.1	1091.9
115°	260.1	548.8	863.3	1069.1	1134.8
117.5°	297.3	571.7	894.7	1091.9	1163.4
120°	331.6	591.7	917.6	1120.5	1172.0
122.5°	363.0	614.6	934.7	1143.4	1200.6
125°	391.6	634.6	946.2	1152.0	1209.1
127.5°	420.2	651.7	949.0	1154.8	1214.9
130°	451.6	668.9	954.7	1152.0	1212.0
132.5°	483.1	686.0	951.9	1143.4	1197.7
135°	506.0	697.5	946.2	1132.0	1180.6
137.5°	528.8	706.0	940.4	1114.8	1160.6
140°	548.8	711.8	931.9	1094.8	1137.7
142.5°	571.7	714.6	926.2	1074.8	1112.0
145°	591.7	714.6	917.6	1051.9	1086.2
147.5°	611.7	711.8	906.1	1029.1	1057.6
150°	626.0	706.0	894.7	1006.2	1029.1
152.5°	637.4	700.3	880.4	980.5	1003.3
155°	651.7	697.5	863.3	957.6	974.7
157.5°	663.2	697.5	843.3	931.9	949.0
160°	674.6	697.5	820.4	906.1	920.4
162.5°	688.9	697.5	788.9	869.0	883.3
165°	703.2	700.3	766.1	831.8	843.3
167.5°	711.8	700.3	743.2	786.1	797.5
170°	717.5	706.0	723.2	754.6	757.5
172.5°	720.3	711.8	708.9	723.2	723.2
175°	720.3	711.8	708.9	708.9	703.2
177.5°	720.3	714.6	714.6	711.8	703.2
180°	714.6	714.6	714.6	714.6	714.6

(END OF REPORT)