

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: P275065

Luminaire Tested: **J3-CL-80L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275065
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-80L92765-1D-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, 90 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6545.3 lumens
Efficiency: N/A
Efficacy: 104.9 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

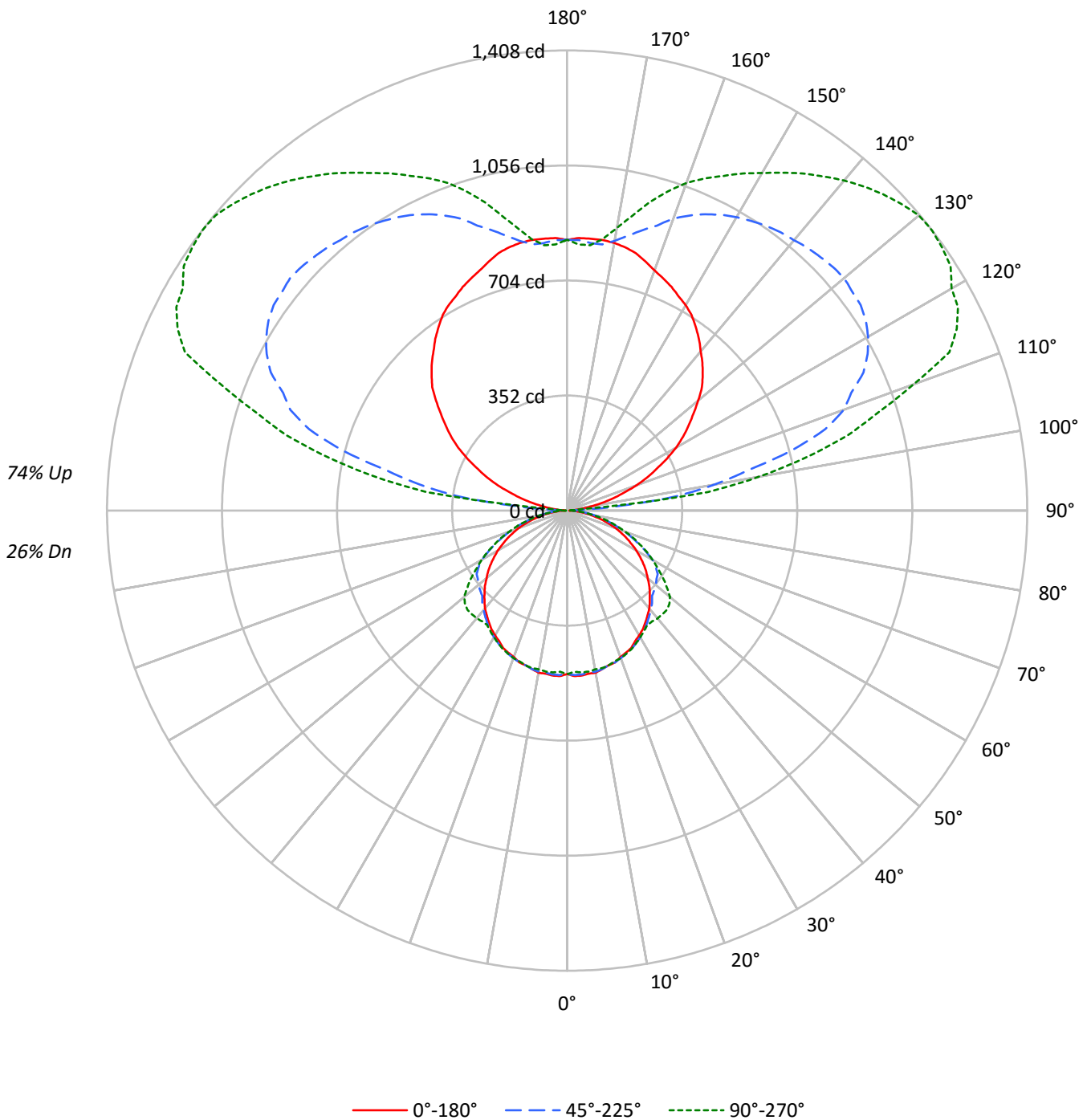
Input Watts (W): 62.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4038	4038	4038
5°	4107	4080	4027
10°	4127	4100	4046
15°	4098	4098	4098
20°	4098	4126	4126
25°	4131	4161	4161
30°	4107	4169	4169
35°	4114	4179	4211
40°	4119	4189	4538
45°	4085	4198	4916
50°	4035	4452	5159
55°	4010	4756	5036
60°	3957	4868	4868
65°	3861	4619	4682
70°	3753	4378	4456
75°	3512	4133	4236
80°	3236	4003	3849
85°	3066	4298	3687



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.7	0.7
10°-20°	138.4	2.1
20°-30°	213.9	3.3
30°-40°	265.4	4.1
40°-50°	297.0	4.5
50°-60°	290.2	4.4
60°-70°	228.9	3.5
70°-80°	138.5	2.1
80°-90°	49.3	0.8
90°-100°	170.0	2.6
100°-110°	657.5	10.0
110°-120°	903.5	13.8
120°-130°	914.1	14.0
130°-140°	810.1	12.4
140°-150°	640.7	9.8
150°-160°	447.4	6.8
160°-170°	253.2	3.9
170°-180°	79.4	1.2
0°-30°	400.1	6.1
0°-40°	665.5	10.2
0°-60°	1252.6	19.1
0°-90°	1669.4	25.5
90°-120°	1731.0	26.4
90°-150°	4096.0	62.6
90°-180°	4876.0	74.5
0°-180°	6545.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	500	500	500	500	500	
5°	507	500	504	500	497	48
15°	490	487	490	490	490	139
25°	464	457	467	467	467	213
35°	417	417	424	427	427	261
45°	358	361	368	414	431	276
55°	285	288	338	358	358	255
65°	202	212	242	245	245	199
75°	113	132	132	136	136	119
85°	33	53	46	43	40	35
90°	7	20	17	3	3	6
95°	26	132	159	33	33	33
105°	146	470	712	822	888	155
115°	302	636	1000	1239	1315	301
125°	454	735	1096	1335	1401	406
135°	586	808	1096	1312	1368	452
145°	686	828	1063	1219	1259	429
155°	755	808	1000	1110	1130	348
165°	815	812	888	964	977	229
175°	835	825	822	822	815	80
180°	828	828	828	828	828	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	500.2	500.2	500.2	500.2	500.2
2.5°	506.8	500.2	503.5	500.2	493.6
5°	506.8	500.2	503.5	500.2	496.9
7.5°	503.5	500.2	500.2	496.9	496.9
10°	503.5	496.9	500.2	496.9	493.6
12.5°	496.9	493.6	496.9	493.6	493.6
15°	490.3	487.0	490.3	490.3	490.3
17.5°	487.0	480.3	487.0	487.0	483.6
20°	477.0	473.7	480.3	480.3	480.3
22.5°	470.4	467.1	473.7	473.7	473.7
25°	463.8	457.1	467.1	467.1	467.1
27.5°	450.5	450.5	457.1	460.5	457.1
30°	440.6	437.3	447.2	450.5	447.2
32.5°	430.6	427.3	437.3	440.6	437.3
35°	417.4	417.4	424.0	427.3	427.3
37.5°	404.1	404.1	410.8	414.1	427.3
40°	390.9	390.9	397.5	417.4	430.6
42.5°	374.3	374.3	384.3	414.1	430.6
45°	357.8	361.1	367.7	414.1	430.6
47.5°	341.2	344.5	361.1	410.8	424.0
50°	321.3	328.0	354.5	400.8	410.8
52.5°	304.8	308.1	344.5	384.3	384.3
55°	284.9	288.2	337.9	357.8	357.8
57.5°	265.0	268.3	321.3	328.0	328.0
60°	245.1	248.4	301.5	301.5	301.5
62.5°	221.9	228.6	271.6	274.9	274.9
65°	202.1	212.0	241.8	245.1	245.1
67.5°	178.9	195.4	215.3	218.6	218.6
70°	159.0	178.9	185.5	188.8	188.8
72.5°	135.8	155.7	159.0	162.3	162.3
75°	112.6	132.5	132.5	135.8	135.8
77.5°	89.4	106.0	109.3	109.3	109.3
80°	69.6	79.5	86.1	82.8	82.8
82.5°	49.7	62.9	62.9	62.9	59.6
85°	33.1	53.0	46.4	43.1	39.8
87.5°	19.9	46.4	26.5	23.2	23.2
90°	6.6	19.9	16.6	3.3	3.3
92.5°	13.3	33.1	16.6	13.3	9.9
95°	26.5	132.5	159.0	33.1	33.1
97.5°	49.7	221.9	341.2	404.1	434.0
100°	76.2	331.3	457.1	559.8	596.3
102.5°	109.3	400.8	563.1	692.3	745.3
105°	145.8	470.4	712.2	821.5	887.8
107.5°	182.2	523.4	828.2	950.7	997.1
110°	225.3	566.5	901.0	1113.0	1126.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	265.0	599.6	940.8	1192.5	1265.4
115°	301.5	636.0	1000.4	1238.9	1315.1
117.5°	344.5	662.5	1036.9	1265.4	1348.2
120°	384.3	685.7	1063.4	1298.6	1358.2
122.5°	420.7	712.2	1083.2	1325.1	1391.3
125°	453.8	735.4	1096.5	1335.0	1401.2
127.5°	487.0	755.3	1099.8	1338.3	1407.9
130°	523.4	775.2	1106.4	1335.0	1404.6
132.5°	559.8	795.0	1103.1	1325.1	1388.0
135°	586.3	808.3	1096.5	1311.8	1368.1
137.5°	612.8	818.2	1089.9	1291.9	1344.9
140°	636.0	824.8	1079.9	1268.7	1318.4
142.5°	662.5	828.2	1073.3	1245.6	1288.6
145°	685.7	828.2	1063.4	1219.1	1258.8
147.5°	708.9	824.8	1050.1	1192.5	1225.7
150°	725.5	818.2	1036.9	1166.0	1192.5
152.5°	738.7	811.6	1020.3	1136.2	1162.7
155°	755.3	808.3	1000.4	1109.7	1129.6
157.5°	768.5	808.3	977.2	1079.9	1099.8
160°	781.8	808.3	950.7	1050.1	1066.7
162.5°	798.3	808.3	914.3	1007.0	1023.6
165°	814.9	811.6	887.8	964.0	977.2
167.5°	824.8	811.6	861.3	911.0	924.2
170°	831.5	818.2	838.1	874.5	877.8
172.5°	834.8	824.8	821.5	838.1	838.1
175°	834.8	824.8	821.5	821.5	814.9
177.5°	834.8	828.2	828.2	824.8	814.9
180°	828.2	828.2	828.2	828.2	828.2

(END OF REPORT)