

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: P275193

Luminaire Tested: **J3-UL-30L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275193
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-30L92765-1D-UNV-W2A-W-4 (3500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN 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: 2578.6 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.44
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

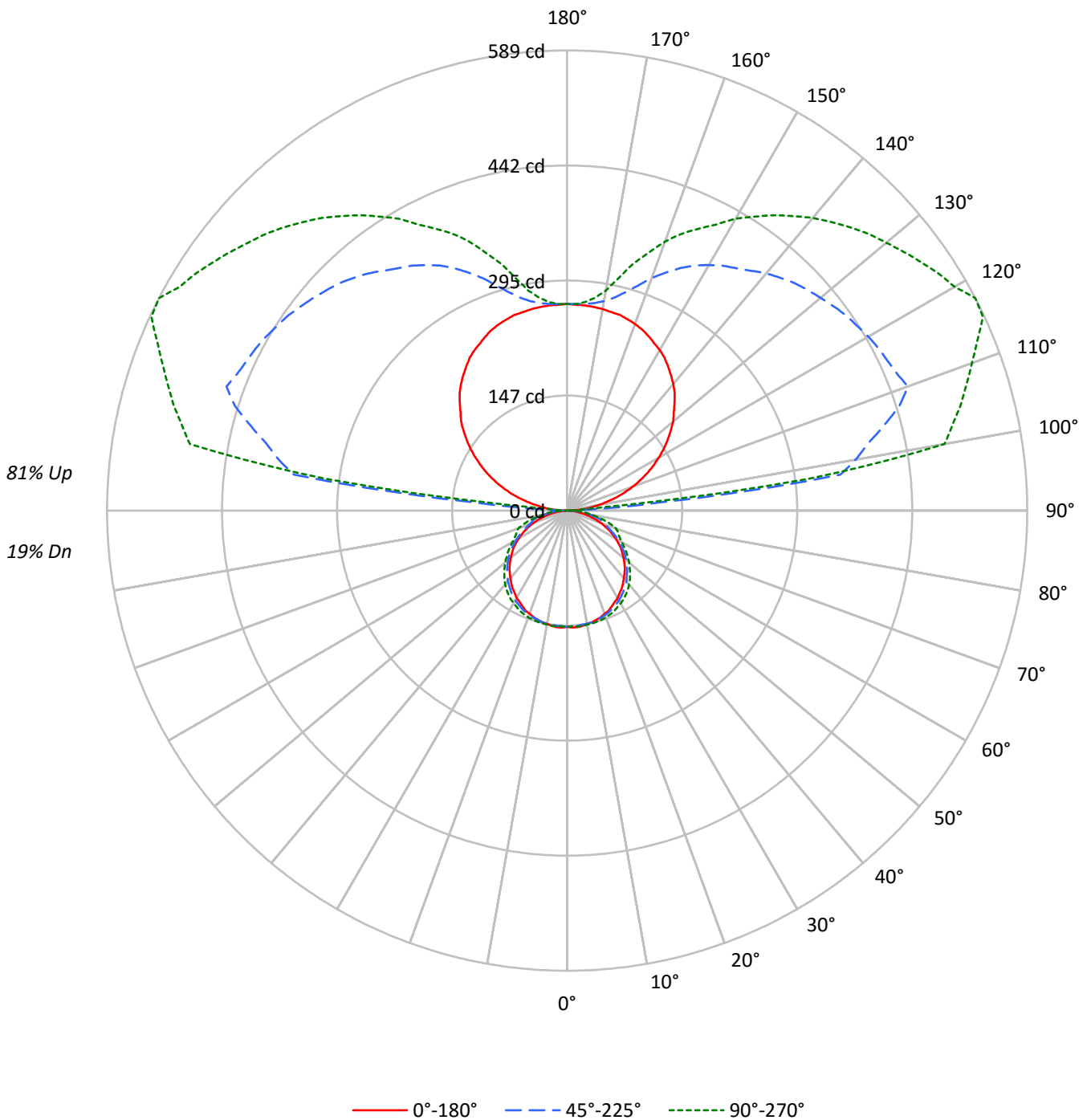
Input Watts (W): 20.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	27	27	27	19				
1	91	86	83	79	80	76	73	70	57	55	53	40	39	37	24	23	23	15				
2	82	75	69	64	72	66	61	57	50	47	44	35	33	31	21	20	19	13				
3	75	66	59	53	66	58	52	47	44	40	37	31	28	26	18	17	16	10				
4	68	58	50	45	60	51	45	40	39	34	31	27	24	22	16	15	13	9				
5	62	51	44	38	55	45	39	34	34	30	26	24	21	19	14	13	12	8				
6	57	46	38	32	50	41	34	29	31	26	23	22	19	16	13	11	10	7				
7	53	41	33	28	46	36	30	25	28	23	20	20	16	14	12	10	9	6				
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5				
9	45	34	26	22	40	30	24	19	23	18	15	16	13	11	10	8	7	5				
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	7	6	4				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1202	1202	1202
5°	1214	1200	1207
10°	1207	1207	1214
15°	1209	1209	1230
20°	1206	1221	1250
25°	1204	1227	1266
30°	1205	1237	1277
35°	1198	1240	1291
40°	1191	1245	1299
45°	1192	1241	1299
50°	1183	1236	1301
55°	1181	1229	1301
60°	1161	1216	1300
65°	1129	1194	1373
70°	1072	1213	1555
75°	989	1388	1575
80°	874	1395	1511
85°	713	1584	1741



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.2	0.5
10°-20°	41.1	1.6
20°-30°	63.8	2.5
30°-40°	78.9	3.1
40°-50°	84.1	3.3
50°-60°	78.4	3.0
60°-70°	63.9	2.5
70°-80°	43.9	1.7
80°-90°	17.2	0.7
90°-100°	150.7	5.8
100°-110°	389.6	15.1
110°-120°	403.9	15.7
120°-130°	359.0	13.9
130°-140°	299.2	11.6
140°-150°	228.1	8.8
150°-160°	153.7	6.0
160°-170°	83.3	3.2
170°-180°	25.6	1.0
0°-30°	119.1	4.6
0°-40°	198.1	7.7
0°-60°	360.6	14.0
0°-90°	485.5	18.8
90°-120°	944.2	36.6
90°-150°	1830.5	71.0
90°-180°	2093.0	81.2
0°-180°	2578.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	149	149	149	149	149	
5°	150	149	148	148	149	14
15°	145	145	145	146	147	41
25°	135	136	138	141	142	62
35°	122	122	126	130	131	76
45°	104	106	109	113	114	80
55°	84	85	87	91	92	75
65°	59	61	62	68	72	58
75°	32	34	44	50	50	34
85°	8	14	17	19	19	9
90°	1	2	2	1	1	2
95°	21	169	119	20	20	21
105°	65	270	419	495	521	68
115°	113	278	453	565	587	111
125°	157	284	436	526	554	140
135°	194	293	412	489	513	150
145°	225	288	378	442	461	141
155°	246	275	342	387	398	114
165°	259	266	289	318	327	73
175°	264	264	265	267	268	25
180°	264	264	264	264	264	



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CATALOG NUMBER: J3-UL-30L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	148.9	148.9	148.9	148.9	148.9
2.5°	149.8	149.8	148.1	148.1	148.1
5°	149.8	148.9	148.1	148.1	148.9
7.5°	148.9	148.9	147.2	148.1	148.9
10°	147.2	147.2	147.2	148.1	148.1
12.5°	146.4	146.4	146.4	147.2	148.1
15°	144.7	144.7	144.7	146.4	147.2
17.5°	143.0	143.0	143.8	145.5	146.4
20°	140.4	141.2	142.1	144.7	145.5
22.5°	138.7	138.7	140.4	143.0	143.8
25°	135.2	136.1	137.8	141.2	142.1
27.5°	131.8	132.7	135.2	138.7	139.5
30°	129.3	130.1	132.7	136.1	137.0
32.5°	125.0	126.7	129.3	133.5	134.4
35°	121.6	122.4	125.8	130.1	131.0
37.5°	117.3	119.0	121.6	125.8	127.5
40°	113.0	114.7	118.1	122.4	123.3
42.5°	108.7	110.4	113.0	117.3	119.0
45°	104.4	106.1	108.7	113.0	113.8
47.5°	99.3	101.0	103.6	107.9	108.7
50°	94.2	95.9	98.4	101.9	103.6
52.5°	89.0	90.7	93.3	96.7	97.6
55°	83.9	84.7	87.3	90.7	92.4
57.5°	77.9	79.6	81.3	84.7	86.5
60°	71.9	72.8	75.3	78.8	80.5
62.5°	65.1	66.8	69.3	72.8	76.2
65°	59.1	60.8	62.5	68.5	71.9
67.5°	52.2	53.9	56.5	64.2	70.2
70°	45.4	47.1	51.4	62.5	65.9
72.5°	38.5	40.2	47.1	57.4	59.1
75°	31.7	34.2	44.5	49.6	50.5
77.5°	24.8	27.4	37.7	40.2	41.1
80°	18.8	23.1	30.0	32.5	32.5
82.5°	12.8	19.7	23.1	24.8	25.7
85°	7.7	13.7	17.1	18.8	18.8
87.5°	4.3	8.6	12.0	14.6	13.7
90°	0.9	1.7	1.7	0.9	0.9
92.5°	12.0	35.1	10.3	9.4	9.4
95°	21.4	168.6	119.0	20.5	20.5
97.5°	30.8	206.3	352.7	415.2	312.4
100°	41.1	244.8	374.9	464.0	490.5
102.5°	52.2	262.8	393.8	476.8	505.0
105°	65.1	269.6	419.4	494.8	521.3
107.5°	77.0	273.9	446.0	511.0	535.9
110°	89.0	275.6	464.0	529.9	551.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	101.0	277.3	457.1	552.1	568.4
115°	113.0	278.2	452.8	565.0	587.2
117.5°	124.1	279.9	449.4	552.1	588.9
120°	135.2	281.6	445.1	541.8	572.7
122.5°	146.4	283.3	440.0	534.1	564.1
125°	156.6	284.2	435.7	525.6	553.8
127.5°	166.9	285.9	429.7	517.0	543.6
130°	177.2	289.3	423.7	507.6	533.3
132.5°	184.9	291.9	417.7	499.0	523.9
135°	194.3	292.8	411.7	488.8	512.7
137.5°	203.7	292.8	404.0	478.5	500.8
140°	211.4	291.9	396.3	466.5	488.8
142.5°	218.3	290.2	386.9	454.5	475.1
145°	225.1	287.6	378.4	441.7	461.4
147.5°	232.0	285.0	371.5	428.0	446.0
150°	237.1	281.6	362.9	413.4	431.4
152.5°	241.4	277.3	353.5	399.8	412.6
155°	246.5	274.8	342.4	386.9	398.0
157.5°	250.8	271.4	329.6	373.2	383.5
160°	254.2	269.6	316.7	355.2	366.4
162.5°	256.8	267.1	302.2	337.3	345.8
165°	259.4	266.2	289.3	317.6	327.0
167.5°	260.2	264.5	279.1	297.0	304.7
170°	261.9	264.5	272.2	282.5	285.9
172.5°	262.8	264.5	267.9	273.1	274.8
175°	263.6	264.5	265.4	267.1	267.9
177.5°	263.6	264.5	264.5	264.5	264.5
180°	264.5	264.5	264.5	264.5	264.5

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