

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: P275058

Luminaire Tested: **J3-CL-80L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275058
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-80L82765-1D-UNV-W2A-W-4 (4000K)
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 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7631.1 lumens
Efficiency: N/A
Efficacy: 121.1 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

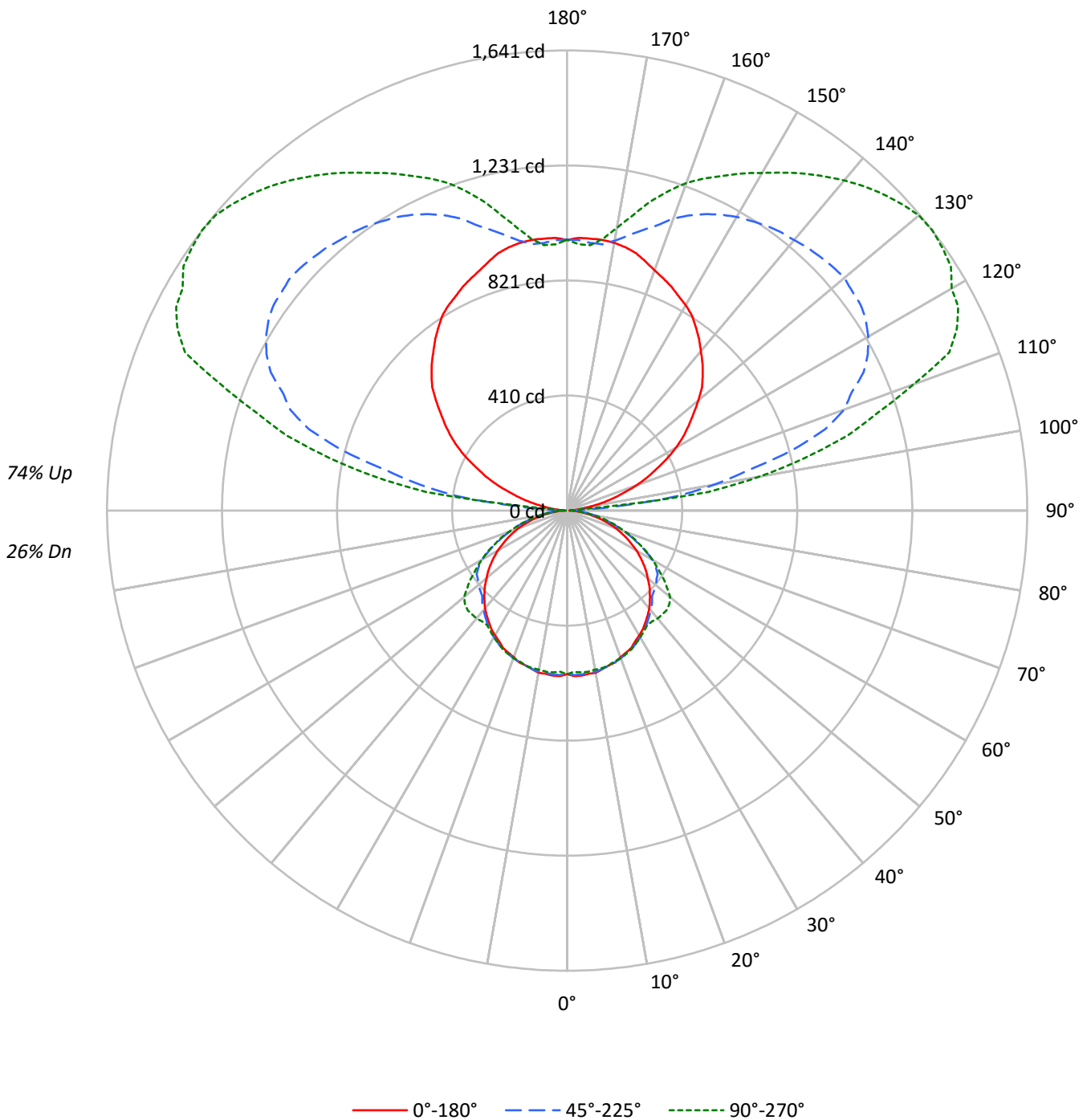
Input Watts (W): 63
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	4708	4708	4708
5°	4789	4757	4695
10°	4812	4781	4718
15°	4777	4777	4777
20°	4778	4811	4811
25°	4816	4851	4851
30°	4789	4860	4860
35°	4796	4872	4910
40°	4802	4885	5291
45°	4762	4894	5732
50°	4705	5191	6015
55°	4674	5544	5871
60°	4614	5675	5675
65°	4500	5385	5459
70°	4376	5105	5195
75°	4095	4819	4938
80°	3770	4668	4491
85°	3575	5011	4289



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.6	0.7
10°-20°	161.4	2.1
20°-30°	249.5	3.3
30°-40°	309.4	4.1
40°-50°	346.2	4.5
50°-60°	338.3	4.4
60°-70°	266.9	3.5
70°-80°	161.5	2.1
80°-90°	57.5	0.8
90°-100°	198.2	2.6
100°-110°	766.5	10.0
110°-120°	1053.4	13.8
120°-130°	1065.7	14.0
130°-140°	944.5	12.4
140°-150°	747.0	9.8
150°-160°	521.6	6.8
160°-170°	295.2	3.9
170°-180°	92.5	1.2
0°-30°	466.5	6.1
0°-40°	775.9	10.2
0°-60°	1460.4	19.1
0°-90°	1946.4	25.5
90°-120°	2018.2	26.4
90°-150°	4775.5	62.6
90°-180°	5685.0	74.5
0°-180°	7631.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	583	583	583	583	583	
5°	591	583	587	583	579	56
15°	572	568	572	572	572	162
25°	541	533	545	545	545	248
35°	487	487	494	498	498	305
45°	417	421	429	483	502	322
55°	332	336	394	417	417	297
65°	236	247	282	286	286	232
75°	131	154	154	158	158	139
85°	39	62	54	50	46	40
90°	8	23	19	4	4	7
95°	31	154	185	39	39	38
105°	170	548	830	958	1035	181
115°	352	742	1166	1444	1533	351
125°	529	857	1278	1556	1634	473
135°	684	942	1278	1529	1595	527
145°	800	966	1240	1421	1468	500
155°	881	942	1166	1294	1317	406
165°	950	946	1035	1124	1139	267
175°	973	962	958	958	950	93
180°	966	966	966	966	966	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	583.2	583.2	583.2	583.2	583.2
2.5°	590.9	583.2	587.0	583.2	575.5
5°	590.9	583.2	587.0	583.2	579.3
7.5°	587.0	583.2	583.2	579.3	579.3
10°	587.0	579.3	583.2	579.3	575.5
12.5°	579.3	575.5	579.3	575.5	575.5
15°	571.6	567.7	571.6	571.6	571.6
17.5°	567.7	560.0	567.7	567.7	563.9
20°	556.2	552.3	560.0	560.0	560.0
22.5°	548.4	544.6	552.3	552.3	552.3
25°	540.7	533.0	544.6	544.6	544.6
27.5°	525.3	525.3	533.0	536.8	533.0
30°	513.7	509.8	521.4	525.3	521.4
32.5°	502.1	498.2	509.8	513.7	509.8
35°	486.6	486.6	494.4	498.2	498.2
37.5°	471.2	471.2	478.9	482.8	498.2
40°	455.7	455.7	463.5	486.6	502.1
42.5°	436.4	436.4	448.0	482.8	502.1
45°	417.1	421.0	428.7	482.8	502.1
47.5°	397.8	401.7	421.0	478.9	494.4
50°	374.6	382.4	413.3	467.3	478.9
52.5°	355.3	359.2	401.7	448.0	448.0
55°	332.1	336.0	393.9	417.1	417.1
57.5°	309.0	312.8	374.6	382.4	382.4
60°	285.8	289.7	351.5	351.5	351.5
62.5°	258.8	266.5	316.7	320.6	320.6
65°	235.6	247.2	281.9	285.8	285.8
67.5°	208.6	227.9	251.0	254.9	254.9
70°	185.4	208.6	216.3	220.1	220.1
72.5°	158.3	181.5	185.4	189.2	189.2
75°	131.3	154.5	154.5	158.3	158.3
77.5°	104.3	123.6	127.5	127.5	127.5
80°	81.1	92.7	100.4	96.6	96.6
82.5°	57.9	73.4	73.4	73.4	69.5
85°	38.6	61.8	54.1	50.2	46.3
87.5°	23.2	54.1	30.9	27.0	27.0
90°	7.7	23.2	19.3	3.9	3.9
92.5°	15.4	38.6	19.3	15.4	11.6
95°	30.9	154.5	185.4	38.6	38.6
97.5°	57.9	258.8	397.8	471.2	505.9
100°	88.8	386.2	533.0	652.7	695.2
102.5°	127.5	467.3	656.6	807.2	869.0
105°	169.9	548.4	830.4	957.8	1035.1
107.5°	212.4	610.2	965.5	1108.4	1162.5
110°	262.6	660.4	1050.5	1297.7	1313.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	309.0	699.1	1096.9	1390.4	1475.3
115°	351.5	741.5	1166.4	1444.5	1533.3
117.5°	401.7	772.4	1208.9	1475.3	1571.9
120°	448.0	799.5	1239.8	1514.0	1583.5
122.5°	490.5	830.4	1262.9	1544.9	1622.1
125°	529.1	857.4	1278.4	1556.5	1633.7
127.5°	567.7	880.6	1282.2	1560.3	1641.4
130°	610.2	903.7	1290.0	1556.5	1637.6
132.5°	652.7	926.9	1286.1	1544.9	1618.2
135°	683.6	942.4	1278.4	1529.4	1595.1
137.5°	714.5	954.0	1270.7	1506.2	1568.0
140°	741.5	961.7	1259.1	1479.2	1537.1
142.5°	772.4	965.5	1251.3	1452.2	1502.4
145°	799.5	965.5	1239.8	1421.3	1467.6
147.5°	826.5	961.7	1224.3	1390.4	1429.0
150°	845.8	954.0	1208.9	1359.5	1390.4
152.5°	861.3	946.2	1189.5	1324.7	1355.6
155°	880.6	942.4	1166.4	1293.8	1317.0
157.5°	896.0	942.4	1139.3	1259.1	1282.2
160°	911.5	942.4	1108.4	1224.3	1243.6
162.5°	930.8	942.4	1066.0	1174.1	1193.4
165°	950.1	946.2	1035.1	1123.9	1139.3
167.5°	961.7	946.2	1004.2	1062.1	1077.5
170°	969.4	954.0	977.1	1019.6	1023.5
172.5°	973.3	961.7	957.8	977.1	977.1
175°	973.3	961.7	957.8	957.8	950.1
177.5°	973.3	965.5	965.5	961.7	950.1
180°	965.5	965.5	965.5	965.5	965.5

(END OF REPORT)