

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: P275262

Luminaire Tested: **J3-UL-80L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275262
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-80L92765-1D-UNV-W2A-W-4 (6500K)
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 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7576.5 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.43
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

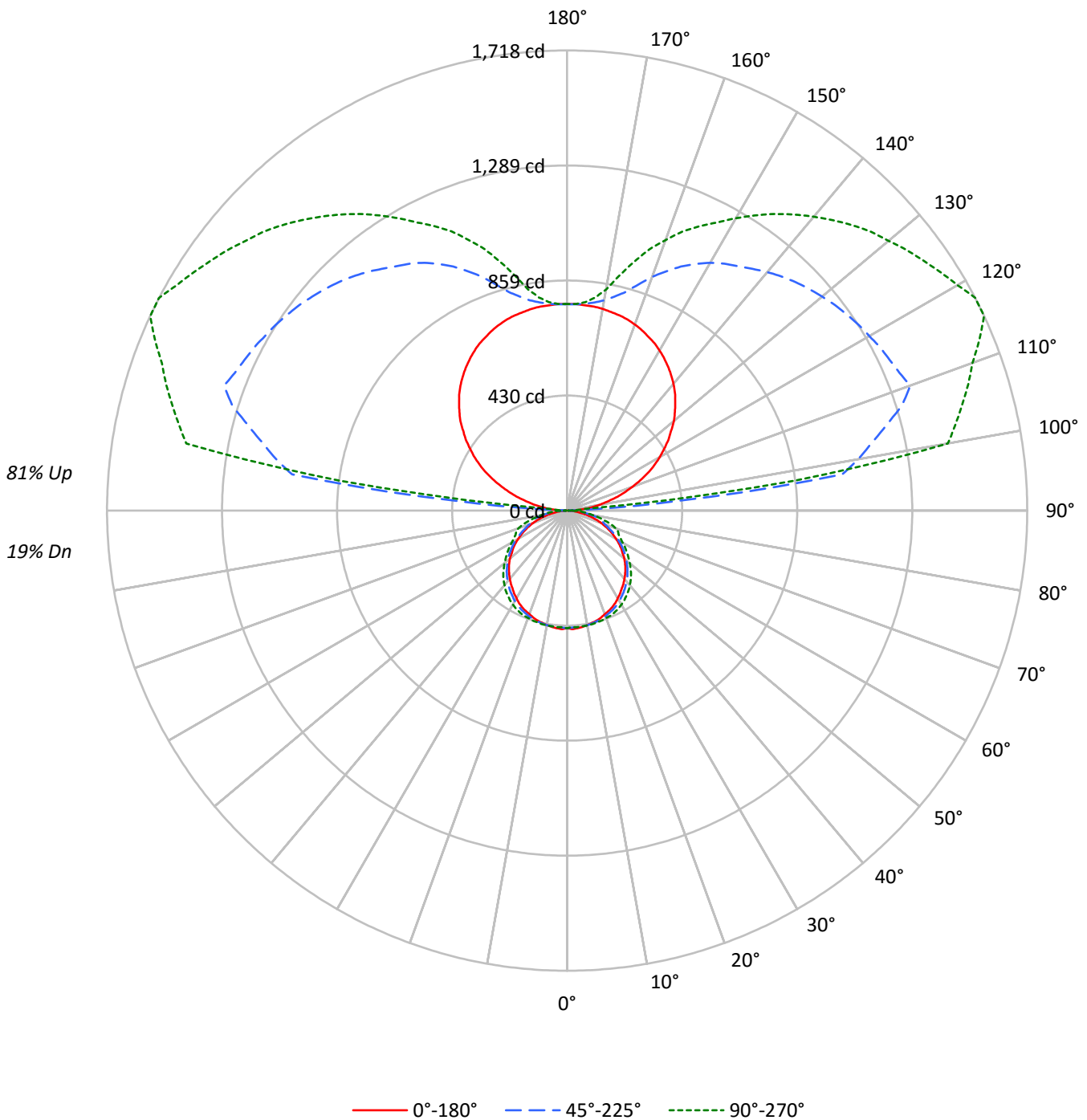
Input Watts (W): 65.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19				
1	91	86	83	79	80	76	73	70	57	55	53	40	39	38	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	20	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°	3546	3546	3546
5°	3571	3540	3540
10°	3560	3560	3571
15°	3556	3577	3609
20°	3537	3601	3667
25°	3544	3623	3734
30°	3522	3639	3779
35°	3501	3637	3810
40°	3505	3638	3836
45°	3511	3640	3855
50°	3500	3626	3831
55°	3462	3605	3834
60°	3405	3567	3851
65°	3333	3524	4052
70°	3170	3555	4563
75°	2935	4070	4582
80°	2510	4142	4551
85°	1973	4650	5233



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.7	0.6
10°-20°	121.3	1.6
20°-30°	188.0	2.5
30°-40°	231.9	3.1
40°-50°	247.2	3.3
50°-60°	230.4	3.0
60°-70°	188.2	2.5
70°-80°	129.7	1.7
80°-90°	51.3	0.7
90°-100°	446.5	5.9
100°-110°	1144.4	15.1
110°-120°	1184.9	15.6
120°-130°	1055.0	13.9
130°-140°	878.4	11.6
140°-150°	668.8	8.8
150°-160°	450.0	5.9
160°-170°	244.0	3.2
170°-180°	74.8	1.0
0°-30°	351.1	4.6
0°-40°	582.9	7.7
0°-60°	1060.5	14.0
0°-90°	1429.7	18.9
90°-120°	2775.8	36.6
90°-150°	5378.0	71.0
90°-180°	6147.0	81.1
0°-180°	7576.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	439	439	439	439	439	
5°	441	439	437	437	437	42
15°	426	427	428	433	432	120
25°	398	400	407	416	419	183
35°	355	360	369	380	387	223
45°	308	310	319	330	338	237
55°	246	250	256	265	272	220
65°	174	178	184	202	212	172
75°	94	100	130	146	147	99
85°	21	40	50	58	56	25
90°	2	4	5	4	4	7
95°	63	497	417	62	60	63
105°	188	790	1234	1457	1526	199
115°	333	818	1329	1656	1717	327
125°	462	837	1275	1549	1626	412
135°	570	860	1206	1436	1506	441
145°	656	841	1113	1297	1352	411
155°	717	801	1005	1135	1171	331
165°	754	780	845	929	960	213
175°	770	773	774	780	781	73
180°	771	771	771	771	771	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	439.3	439.3	439.3	439.3	439.3
2.5°	443.1	440.6	436.8	436.8	435.6
5°	440.6	439.3	436.8	436.8	436.8
7.5°	438.1	438.1	435.6	436.8	435.6
10°	434.3	435.6	434.3	436.8	435.6
12.5°	429.3	431.8	431.8	435.6	434.3
15°	425.5	426.8	428.0	433.1	431.8
17.5°	419.2	421.8	424.3	430.5	430.5
20°	411.7	415.5	419.2	426.8	426.8
22.5°	405.4	409.2	413.0	421.8	424.3
25°	397.9	400.4	406.7	415.5	419.2
27.5°	389.1	391.6	399.2	407.9	413.0
30°	377.8	382.8	390.4	400.4	405.4
32.5°	367.8	372.8	379.1	391.6	396.7
35°	355.2	360.3	369.0	380.3	386.6
37.5°	345.2	350.2	357.7	369.0	376.6
40°	332.6	336.4	345.2	356.5	364.0
42.5°	320.1	325.1	332.6	345.2	351.5
45°	307.5	310.0	318.8	330.1	337.7
47.5°	293.7	296.2	303.8	316.3	321.3
50°	278.7	282.4	288.7	300.0	305.0
52.5°	261.1	266.1	273.6	282.4	288.7
55°	246.0	249.8	256.1	264.9	272.4
57.5°	229.7	233.5	239.7	248.5	256.1
60°	210.9	214.6	220.9	232.2	238.5
62.5°	192.0	197.1	202.1	213.4	224.7
65°	174.5	178.2	184.5	202.1	212.1
67.5°	154.4	159.4	165.7	190.8	205.9
70°	134.3	139.3	150.6	184.5	193.3
72.5°	115.5	119.2	138.1	170.7	173.2
75°	94.1	100.4	130.5	145.6	146.9
77.5°	72.8	81.6	111.7	121.8	123.0
80°	54.0	67.8	89.1	96.7	97.9
82.5°	37.7	57.7	69.0	75.3	75.3
85°	21.3	40.2	50.2	57.7	56.5
87.5°	12.6	26.4	37.7	43.9	42.7
90°	2.5	3.8	5.0	3.8	3.8
92.5°	32.6	105.4	28.9	28.9	27.6
95°	62.8	497.1	416.7	61.5	60.3
97.5°	90.4	603.8	1035.6	1236.4	859.8
100°	121.8	718.0	1103.3	1361.9	1443.5
102.5°	151.9	766.9	1163.6	1403.3	1484.9
105°	188.3	789.5	1233.9	1457.3	1526.4
107.5°	223.4	800.8	1311.7	1503.8	1570.3
110°	258.6	808.4	1363.2	1556.5	1610.5



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CATALOG NUMBER: J3-UL-80L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	295.0	813.4	1343.1	1619.2	1665.7
115°	332.6	818.4	1329.3	1655.6	1717.2
117.5°	366.5	822.2	1318.0	1620.5	1718.4
120°	399.2	827.2	1302.9	1595.4	1683.3
122.5°	429.3	833.5	1290.4	1572.8	1654.4
125°	461.9	837.2	1275.3	1549.0	1625.5
127.5°	489.5	842.3	1260.2	1520.1	1597.9
130°	519.7	851.0	1242.7	1495.0	1566.5
132.5°	546.0	857.3	1225.1	1467.4	1540.2
135°	569.9	859.8	1206.3	1436.0	1506.3
137.5°	596.2	858.6	1184.9	1404.6	1469.9
140°	617.6	853.6	1162.3	1370.7	1432.2
142.5°	637.7	849.8	1137.2	1335.6	1393.3
145°	656.5	841.0	1113.4	1296.7	1351.9
147.5°	674.1	832.2	1093.3	1256.5	1306.7
150°	690.4	819.7	1068.2	1210.0	1260.2
152.5°	705.4	809.6	1038.1	1169.9	1212.5
155°	716.7	800.8	1005.4	1134.7	1171.1
157.5°	729.3	794.6	966.5	1089.5	1128.4
160°	739.3	788.3	928.9	1038.1	1074.5
162.5°	748.1	783.3	884.9	987.9	1023.0
165°	754.4	779.5	844.8	928.9	960.2
167.5°	759.4	775.7	818.4	867.4	897.5
170°	764.4	774.5	797.1	825.9	837.2
172.5°	768.2	774.5	783.3	797.1	802.1
175°	769.5	773.2	774.5	779.5	780.8
177.5°	772.0	774.5	770.7	772.0	772.0
180°	770.7	770.7	770.7	770.7	770.7

(END OF REPORT)