

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: P275260

Luminaire Tested: **J3-UL-80L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275260
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 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7376.9 lumens
Efficiency: N/A
Efficacy: 115.8 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

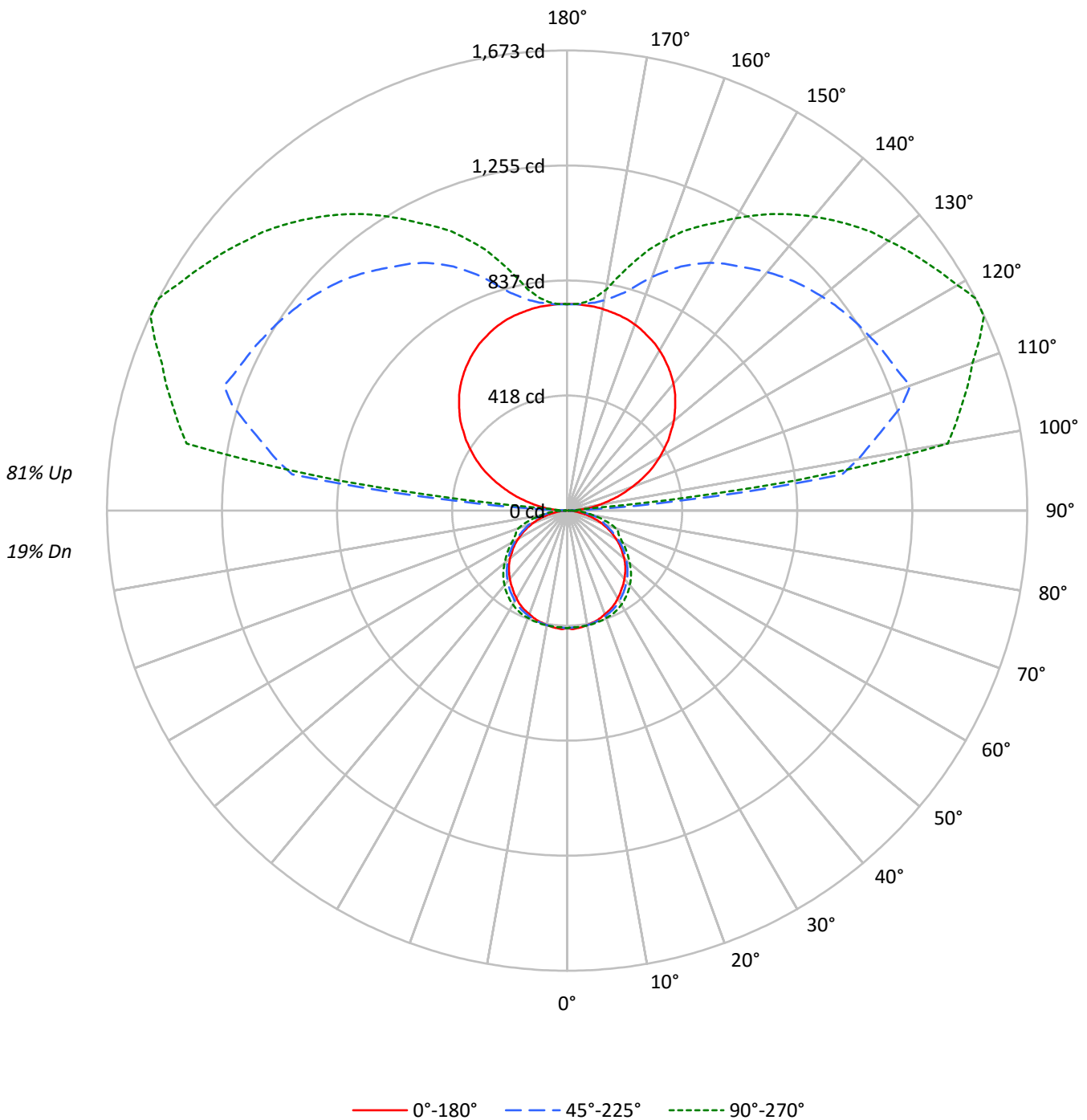
Input Watts (W): 63.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3454	3454	3454
5°	3477	3447	3447
10°	3467	3467	3477
15°	3463	3484	3514
20°	3444	3507	3570
25°	3451	3527	3636
30°	3430	3543	3680
35°	3409	3541	3710
40°	3413	3542	3735
45°	3418	3544	3754
50°	3407	3530	3730
55°	3371	3509	3733
60°	3315	3473	3749
65°	3245	3433	3945
70°	3087	3463	4442
75°	2860	3964	4460
80°	2445	4035	4431
85°	1927	4529	5094



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.6	0.6
10°-20°	118.1	1.6
20°-30°	183.1	2.5
30°-40°	225.8	3.1
40°-50°	240.7	3.3
50°-60°	224.3	3.0
60°-70°	183.3	2.5
70°-80°	126.3	1.7
80°-90°	50.0	0.7
90°-100°	434.7	5.9
100°-110°	1114.2	15.1
110°-120°	1153.7	15.6
120°-130°	1027.2	13.9
130°-140°	855.3	11.6
140°-150°	651.2	8.8
150°-160°	438.2	5.9
160°-170°	237.5	3.2
170°-180°	72.8	1.0
0°-30°	341.8	4.6
0°-40°	567.6	7.7
0°-60°	1032.6	14.0
0°-90°	1392.1	18.9
90°-120°	2702.6	36.6
90°-150°	5236.3	71.0
90°-180°	5985.0	81.1
0°-180°	7376.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	428	428	428	428	428	
5°	429	428	425	425	425	41
15°	414	416	417	422	420	117
25°	387	390	396	404	408	178
35°	346	351	359	370	376	217
45°	299	302	310	321	329	231
55°	240	243	249	258	265	214
65°	170	174	180	197	206	167
75°	92	98	127	142	143	97
85°	21	39	49	56	55	24
90°	2	4	5	4	4	7
95°	61	484	406	60	59	61
105°	183	769	1201	1419	1486	194
115°	324	797	1294	1612	1672	319
125°	450	815	1242	1508	1583	401
135°	555	837	1174	1398	1467	429
145°	639	819	1084	1262	1316	400
155°	698	780	979	1105	1140	322
165°	734	759	822	904	935	208
175°	749	753	754	759	760	71
180°	750	750	750	750	750	



TEST NUMBER: P275260

CATALOG NUMBER: J3-UL-80L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	427.8	427.8	427.8	427.8	427.8
2.5°	431.4	429.0	425.3	425.3	424.1
5°	429.0	427.8	425.3	425.3	425.3
7.5°	426.5	426.5	424.1	425.3	424.1
10°	422.9	424.1	422.9	425.3	424.1
12.5°	418.0	420.4	420.4	424.1	422.9
15°	414.3	415.5	416.8	421.6	420.4
17.5°	408.2	410.6	413.1	419.2	419.2
20°	400.9	404.5	408.2	415.5	415.5
22.5°	394.8	398.4	402.1	410.6	413.1
25°	387.4	389.9	396.0	404.5	408.2
27.5°	378.9	381.3	388.6	397.2	402.1
30°	367.9	372.8	380.1	389.9	394.8
32.5°	358.1	363.0	369.1	381.3	386.2
35°	345.9	350.8	359.3	370.3	376.4
37.5°	336.1	341.0	348.3	359.3	366.6
40°	323.9	327.5	336.1	347.1	354.4
42.5°	311.7	316.5	323.9	336.1	342.2
45°	299.4	301.9	310.4	321.4	328.8
47.5°	286.0	288.4	295.8	308.0	312.9
50°	271.3	275.0	281.1	292.1	297.0
52.5°	254.2	259.1	266.4	275.0	281.1
55°	239.5	243.2	249.3	257.9	265.2
57.5°	223.7	227.3	233.4	242.0	249.3
60°	205.3	209.0	215.1	226.1	232.2
62.5°	187.0	191.9	196.8	207.8	218.8
65°	169.9	173.5	179.7	196.8	206.5
67.5°	150.3	155.2	161.3	185.8	200.4
70°	130.8	135.7	146.7	179.7	188.2
72.5°	112.4	116.1	134.4	166.2	168.7
75°	91.7	97.8	127.1	141.8	143.0
77.5°	70.9	79.4	108.8	118.5	119.8
80°	52.6	66.0	86.8	94.1	95.3
82.5°	36.7	56.2	67.2	73.3	73.3
85°	20.8	39.1	48.9	56.2	55.0
87.5°	12.2	25.7	36.7	42.8	41.6
90°	2.4	3.7	4.9	3.7	3.7
92.5°	31.8	102.7	28.1	28.1	26.9
95°	61.1	484.0	405.8	59.9	58.7
97.5°	88.0	587.9	1008.3	1203.8	837.2
100°	118.5	699.1	1074.3	1326.0	1405.5
102.5°	147.9	746.7	1132.9	1366.4	1445.8
105°	183.3	768.7	1201.4	1418.9	1486.1
107.5°	217.5	779.7	1277.2	1464.1	1528.9
110°	251.8	787.1	1327.3	1515.5	1568.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	287.2	792.0	1307.7	1576.6	1621.8
115°	323.9	796.8	1294.3	1612.0	1671.9
117.5°	356.9	800.5	1283.3	1577.8	1673.1
120°	388.6	805.4	1268.6	1553.4	1638.9
122.5°	418.0	811.5	1256.4	1531.4	1610.8
125°	449.8	815.2	1241.7	1508.1	1582.7
127.5°	476.6	820.1	1227.0	1480.0	1555.8
130°	506.0	828.6	1209.9	1455.6	1525.3
132.5°	531.6	834.7	1192.8	1428.7	1499.6
135°	554.9	837.2	1174.5	1398.2	1466.6
137.5°	580.5	836.0	1153.7	1367.6	1431.2
140°	601.3	831.1	1131.7	1334.6	1394.5
142.5°	620.9	827.4	1107.3	1300.4	1356.6
145°	639.2	818.8	1084.1	1262.5	1316.3
147.5°	656.3	810.3	1064.5	1223.4	1272.3
150°	672.2	798.1	1040.1	1178.2	1227.0
152.5°	686.9	788.3	1010.7	1139.1	1180.6
155°	697.9	779.7	979.0	1104.8	1140.3
157.5°	710.1	773.6	941.1	1060.8	1098.7
160°	719.9	767.5	904.4	1010.7	1046.2
162.5°	728.4	762.6	861.6	961.8	996.1
165°	734.5	759.0	822.5	904.4	935.0
167.5°	739.4	755.3	796.8	844.5	873.8
170°	744.3	754.1	776.1	804.2	815.2
172.5°	748.0	754.1	762.6	776.1	781.0
175°	749.2	752.9	754.1	759.0	760.2
177.5°	751.6	754.1	750.4	751.6	751.6
180°	750.4	750.4	750.4	750.4	750.4

(END OF REPORT)