

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: P253348

Luminaire Tested: **J3-FL-80L835-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253348
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-FL-80L835-1D-UNV-STD-W-4
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.
Light Source: (224) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

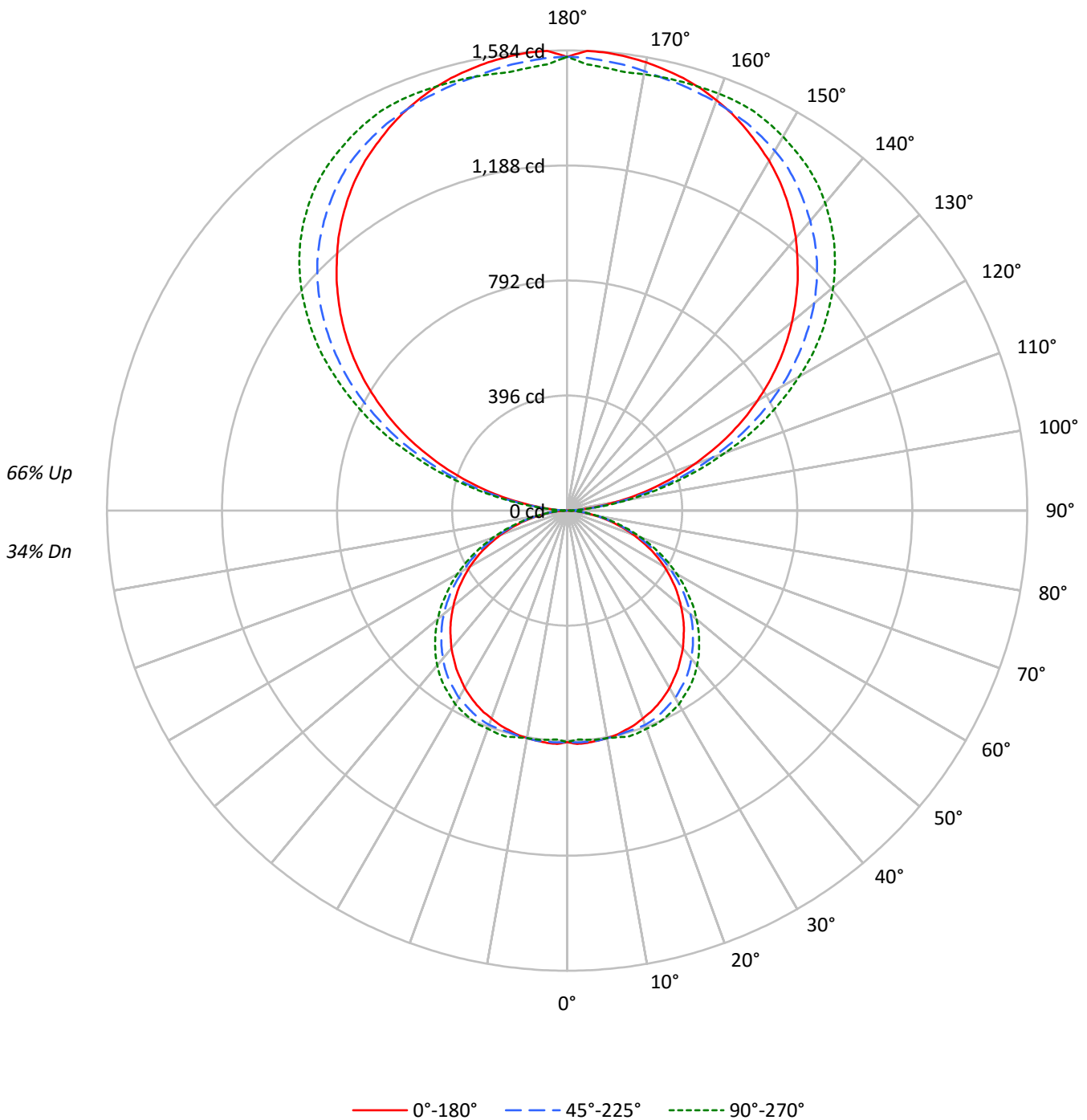
Lumens per Lamp: N/A
Luminaire Lumens: 7622.6 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 57.2
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	0
RCR																		
0	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	94	90	86	82	85	81	78	75	65	62	60	50	48	47	36	35	34	28
2	85	78	72	67	77	71	65	61	56	53	50	43	41	39	31	30	29	23
3	78	68	61	55	70	62	56	51	50	45	41	38	35	33	28	26	24	19
4	71	60	52	47	64	55	48	43	44	39	35	34	30	28	25	22	21	16
5	65	53	45	40	58	48	42	36	39	34	30	30	27	24	22	20	18	14
6	60	48	40	34	53	43	36	31	35	30	26	27	23	21	20	17	15	12
7	55	43	35	30	49	39	32	27	32	26	23	25	21	18	18	16	14	11
8	51	39	31	26	46	35	29	24	29	24	20	22	19	16	16	14	12	10
9	47	35	28	23	43	32	26	21	26	21	18	20	17	14	15	13	11	9
10	44	32	25	20	40	29	23	19	24	19	16	19	15	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6434	6434	6434
5°	6501	6474	6417
10°	6519	6519	6519
15°	6532	6590	6735
20°	6539	6746	6863
25°	6568	6842	7040
30°	6571	6936	7178
35°	6557	6994	7267
40°	6528	7011	7335
45°	6485	6992	7342
50°	6423	6962	7304
55°	6353	6863	7198
60°	6237	6684	7043
65°	6044	6434	6798
70°	5693	6061	6375
75°	5228	5552	5817
80°	4542	4849	5021
85°	3631	3779	3974



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	1.0
10°-20°	223.6	2.9
20°-30°	352.2	4.6
30°-40°	440.1	5.8
40°-50°	469.1	6.2
50°-60°	432.6	5.7
60°-70°	332.2	4.4
70°-80°	188.2	2.5
80°-90°	49.6	0.7
90°-100°	79.9	1.0
100°-110°	376.1	4.9
110°-120°	681.6	8.9
120°-130°	875.5	11.5
130°-140°	931.4	12.2
140°-150°	857.0	11.2
150°-160°	678.7	8.9
160°-170°	430.9	5.7
170°-180°	147.8	1.9
0°-30°	651.9	8.6
0°-40°	1092.0	14.3
0°-60°	1993.7	26.2
0°-90°	2563.7	33.6
90°-120°	1137.6	14.9
90°-150°	3801.6	49.9
90°-180°	5059.0	66.4
0°-180°	7622.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	797	797	797	797	797	
5°	802	795	799	797	792	76
15°	782	778	788	802	806	221
25°	737	739	768	784	790	340
35°	665	678	710	727	737	416
45°	568	583	612	631	643	438
55°	451	465	488	503	511	403
65°	316	323	337	349	356	312
75°	168	171	178	185	186	178
85°	39	41	41	43	43	44
90°	2	2	2	0	0	5
95°	53	55	60	63	67	69
105°	315	328	359	382	392	333
115°	616	642	696	739	760	607
125°	890	917	987	1042	1071	794
135°	1122	1139	1216	1269	1300	865
145°	1314	1309	1375	1418	1444	822
155°	1452	1432	1469	1500	1517	670
165°	1541	1517	1517	1522	1528	435
175°	1582	1564	1553	1541	1529	150
180°	1562	1562	1562	1562	1562	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	797.0	797.0	797.0	797.0	797.0
2.5°	804.0	797.0	798.9	798.9	788.5
5°	802.2	795.2	798.9	797.0	791.9
7.5°	798.9	793.7	798.9	798.9	795.2
10°	795.2	790.3	795.2	797.0	795.2
12.5°	790.3	785.2	793.7	797.0	798.9
15°	781.5	778.2	788.5	802.2	805.9
17.5°	773.3	771.5	787.0	802.2	804.0
20°	761.1	761.1	785.2	797.0	798.9
22.5°	751.1	751.1	778.2	790.3	797.0
25°	737.4	738.9	768.1	783.6	790.3
27.5°	721.9	727.1	756.0	773.3	780.0
30°	704.9	713.4	744.1	761.1	770.0
32.5°	684.5	696.0	727.1	744.1	752.6
35°	665.3	677.5	709.7	727.1	737.4
37.5°	641.6	656.8	689.3	706.4	718.5
40°	619.4	634.9	665.3	684.5	696.0
42.5°	593.5	610.5	639.8	658.6	670.5
45°	568.0	583.2	612.4	631.2	643.1
47.5°	540.6	556.1	585.3	602.3	613.9
50°	511.4	528.4	554.3	571.3	581.6
52.5°	482.2	497.7	521.7	539.1	549.1
55°	451.4	465.1	487.6	503.2	511.4
57.5°	418.9	432.6	451.4	467.0	475.5
60°	386.3	396.7	414.0	429.2	436.2
62.5°	352.3	361.1	376.3	388.5	396.7
65°	316.4	323.4	336.8	348.9	355.9
67.5°	279.0	285.7	297.5	307.9	313.0
70°	241.2	247.9	256.8	265.0	270.1
72.5°	205.0	208.7	217.2	224.2	227.5
75°	167.6	171.0	178.0	184.7	186.5
77.5°	133.5	135.1	140.5	143.9	145.4
80°	97.7	101.0	104.3	105.9	108.0
82.5°	66.6	68.4	70.0	71.8	73.3
85°	39.2	40.8	40.8	42.9	42.9
87.5°	17.0	18.9	18.9	18.9	18.9
90°	1.8	1.8	1.8	0.0	0.0
92.5°	17.0	17.0	18.9	20.4	22.2
95°	52.9	54.8	59.9	63.3	66.6
97.5°	105.9	109.5	119.6	128.4	131.7
100°	171.0	178.0	193.5	205.0	210.5
102.5°	241.2	251.3	273.8	290.8	299.3
105°	314.9	328.5	359.3	381.5	391.8
107.5°	390.0	407.3	446.6	472.1	485.8
110°	465.1	487.6	530.2	564.3	574.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	540.6	564.3	615.7	653.4	672.3
115°	615.7	641.6	696.0	738.9	759.6
117.5°	687.8	714.9	774.8	822.9	841.4
120°	756.0	785.2	850.3	899.9	922.1
122.5°	824.4	852.1	920.2	973.2	1000.8
125°	889.5	916.9	987.2	1041.6	1070.8
127.5°	951.3	976.5	1050.4	1106.7	1134.1
130°	1010.9	1034.9	1110.1	1165.1	1195.8
132.5°	1067.5	1089.7	1165.1	1218.1	1250.6
135°	1122.2	1139.3	1216.2	1269.2	1300.2
137.5°	1173.3	1185.5	1260.9	1313.9	1343.1
140°	1224.7	1228.4	1301.7	1351.3	1382.0
142.5°	1271.0	1269.2	1339.4	1387.2	1416.4
145°	1313.9	1308.7	1375.3	1417.9	1443.8
147.5°	1354.6	1343.1	1406.1	1442.3	1466.0
150°	1390.5	1375.3	1430.1	1466.0	1486.4
152.5°	1421.3	1404.2	1450.5	1483.0	1503.4
155°	1452.3	1431.9	1469.3	1500.1	1517.4
157.5°	1479.7	1453.8	1483.0	1510.4	1524.4
160°	1503.4	1478.2	1496.7	1517.4	1527.7
162.5°	1524.4	1498.5	1507.1	1518.9	1527.7
165°	1541.4	1517.4	1517.4	1522.3	1527.7
167.5°	1554.8	1534.4	1524.4	1525.9	1527.7
170°	1567.0	1546.3	1536.0	1525.9	1524.4
172.5°	1575.5	1554.8	1546.3	1532.6	1522.3
175°	1582.2	1563.6	1553.0	1541.4	1529.3
177.5°	1584.0	1568.5	1560.0	1548.1	1537.8
180°	1561.8	1561.8	1561.8	1561.8	1561.8

(END OF REPORT)