

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: P275154

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275154
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-80L82765-1D-UNV-W2A-W-4 (4000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED 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: 7636.5 lumens
Efficiency: N/A
Efficacy: 121.2 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

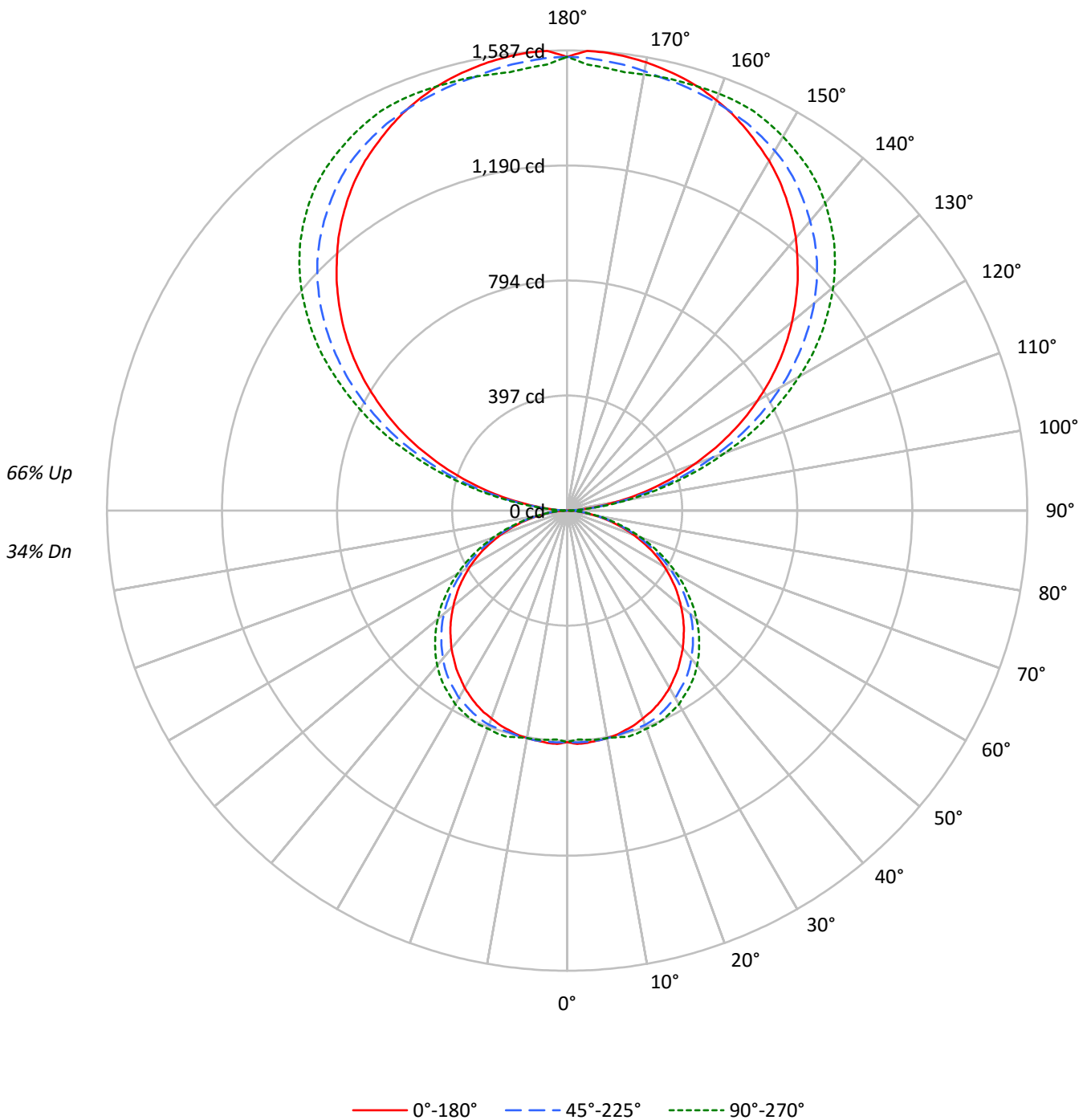
Input Watts (W): 63
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	6446	6446	6446
5°	6513	6485	6429
10°	6531	6531	6531
15°	6543	6602	6747
20°	6551	6758	6875
25°	6580	6854	7053
30°	6582	6949	7191
35°	6569	7007	7280
40°	6539	7024	7348
45°	6496	7004	7356
50°	6434	6974	7318
55°	6366	6876	7210
60°	6250	6697	7056
65°	6055	6445	6812
70°	5705	6071	6387
75°	5237	5561	5827
80°	4547	4858	5030
85°	3640	3779	3983



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.2	1.0
10°-20°	224.0	2.9
20°-30°	352.9	4.6
30°-40°	440.9	5.8
40°-50°	470.0	6.2
50°-60°	433.4	5.7
60°-70°	332.8	4.4
70°-80°	188.6	2.5
80°-90°	49.7	0.7
90°-100°	80.1	1.0
100°-110°	376.8	4.9
110°-120°	682.9	8.9
120°-130°	877.1	11.5
130°-140°	933.1	12.2
140°-150°	858.6	11.2
150°-160°	679.9	8.9
160°-170°	431.6	5.7
170°-180°	148.1	1.9
0°-30°	653.1	8.6
0°-40°	1094.0	14.3
0°-60°	1997.3	26.2
0°-90°	2568.4	33.6
90°-120°	1139.7	14.9
90°-150°	3808.5	49.9
90°-180°	5068.0	66.4
0°-180°	7636.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	798	798	798	798	798	
5°	804	797	800	798	793	76
15°	783	780	790	804	807	221
25°	739	740	770	785	792	340
35°	666	679	711	728	739	416
45°	569	584	614	632	644	439
55°	452	466	488	504	512	404
65°	317	324	337	350	357	313
75°	168	171	178	185	187	178
85°	39	41	41	43	43	44
90°	2	2	2	0	0	5
95°	53	55	60	63	67	69
105°	315	329	360	382	392	334
115°	617	643	697	740	761	608
125°	891	919	989	1044	1073	795
135°	1124	1141	1218	1272	1303	867
145°	1316	1311	1378	1420	1446	824
155°	1455	1434	1472	1503	1520	671
165°	1544	1520	1520	1525	1530	436
175°	1585	1566	1556	1544	1532	151
180°	1565	1565	1565	1565	1565	



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CATALOG NUMBER: J3-FL-80L82765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	798.5	798.5	798.5	798.5	798.5
2.5°	805.5	798.5	800.3	800.3	789.9
5°	803.7	796.7	800.3	798.5	793.3
7.5°	800.3	795.1	800.3	800.3	796.7
10°	796.7	791.8	796.7	798.5	796.7
12.5°	791.8	786.6	795.1	798.5	800.3
15°	782.9	779.6	789.9	803.7	807.3
17.5°	774.7	772.9	788.4	803.7	805.5
20°	762.5	762.5	786.6	798.5	800.3
22.5°	752.5	752.5	779.6	791.8	798.5
25°	738.7	740.3	769.5	785.1	791.8
27.5°	723.2	728.4	757.3	774.7	781.4
30°	706.1	714.7	745.5	762.5	771.4
32.5°	685.7	697.3	728.4	745.5	754.0
35°	666.5	678.7	711.0	728.4	738.7
37.5°	642.7	658.0	690.6	707.7	719.9
40°	620.5	636.0	666.5	685.7	697.3
42.5°	594.6	611.7	640.9	659.8	671.7
45°	569.0	584.2	613.5	632.4	644.3
47.5°	541.6	557.1	586.4	603.4	615.0
50°	512.3	529.4	555.3	572.3	582.7
52.5°	483.1	498.6	522.7	540.0	550.1
55°	452.3	466.0	488.5	504.1	512.3
57.5°	419.7	433.4	452.3	467.8	476.3
60°	387.1	397.4	414.8	430.0	437.0
62.5°	352.9	361.8	377.0	389.2	397.4
65°	317.0	324.0	337.4	349.6	356.6
67.5°	279.5	286.2	298.1	308.4	313.6
70°	241.7	248.4	257.2	265.4	270.6
72.5°	205.4	209.1	217.6	224.6	228.0
75°	167.9	171.3	178.3	185.0	186.8
77.5°	133.8	135.3	140.8	144.2	145.7
80°	97.8	101.2	104.5	106.1	108.2
82.5°	66.7	68.6	70.1	71.9	73.4
85°	39.3	40.8	40.8	43.0	43.0
87.5°	17.1	18.9	18.9	18.9	18.9
90°	1.8	1.8	1.8	0.0	0.0
92.5°	17.1	17.1	18.9	20.4	22.2
95°	53.0	54.9	60.0	63.4	66.7
97.5°	106.1	109.7	119.8	128.6	132.0
100°	171.3	178.3	193.8	205.4	210.9
102.5°	241.7	251.7	274.3	291.4	299.9
105°	315.4	329.1	359.9	382.2	392.5
107.5°	390.7	408.1	447.4	473.0	486.7
110°	466.0	488.5	531.2	565.3	575.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	541.6	565.3	616.8	654.6	673.5
115°	616.8	642.7	697.3	740.3	761.0
117.5°	689.1	716.2	776.2	824.4	843.0
120°	757.3	786.6	851.8	901.5	923.7
122.5°	825.9	853.6	921.9	974.9	1002.7
125°	891.1	918.6	989.0	1043.5	1072.8
127.5°	953.0	978.3	1052.4	1108.7	1136.2
130°	1012.7	1036.8	1112.1	1167.2	1198.0
132.5°	1069.4	1091.7	1167.2	1220.3	1252.9
135°	1124.3	1141.3	1218.4	1271.5	1302.6
137.5°	1175.5	1187.7	1263.2	1316.3	1345.5
140°	1227.0	1230.6	1304.1	1353.8	1384.5
142.5°	1273.3	1271.5	1341.9	1389.7	1419.0
145°	1316.3	1311.1	1377.8	1420.5	1446.4
147.5°	1357.1	1345.5	1408.6	1444.9	1468.7
150°	1393.1	1377.8	1432.7	1468.7	1489.1
152.5°	1423.9	1406.8	1453.1	1485.7	1506.1
155°	1454.9	1434.5	1472.0	1502.8	1520.2
157.5°	1482.4	1456.5	1485.7	1513.2	1527.2
160°	1506.1	1480.9	1499.4	1520.2	1530.5
162.5°	1527.2	1501.3	1509.8	1521.7	1530.5
165°	1544.2	1520.2	1520.2	1525.0	1530.5
167.5°	1557.7	1537.2	1527.2	1528.7	1530.5
170°	1569.8	1549.1	1538.8	1528.7	1527.2
172.5°	1578.4	1557.7	1549.1	1535.4	1525.0
175°	1585.1	1566.5	1555.8	1544.2	1532.1
177.5°	1586.9	1571.4	1562.8	1550.9	1540.6
180°	1564.7	1564.7	1564.7	1564.7	1564.7

(END OF REPORT)