

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: P385310

Luminaire Tested: **22ID-50-L830-CNV**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385310  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22ID-50-L830-CNV  
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

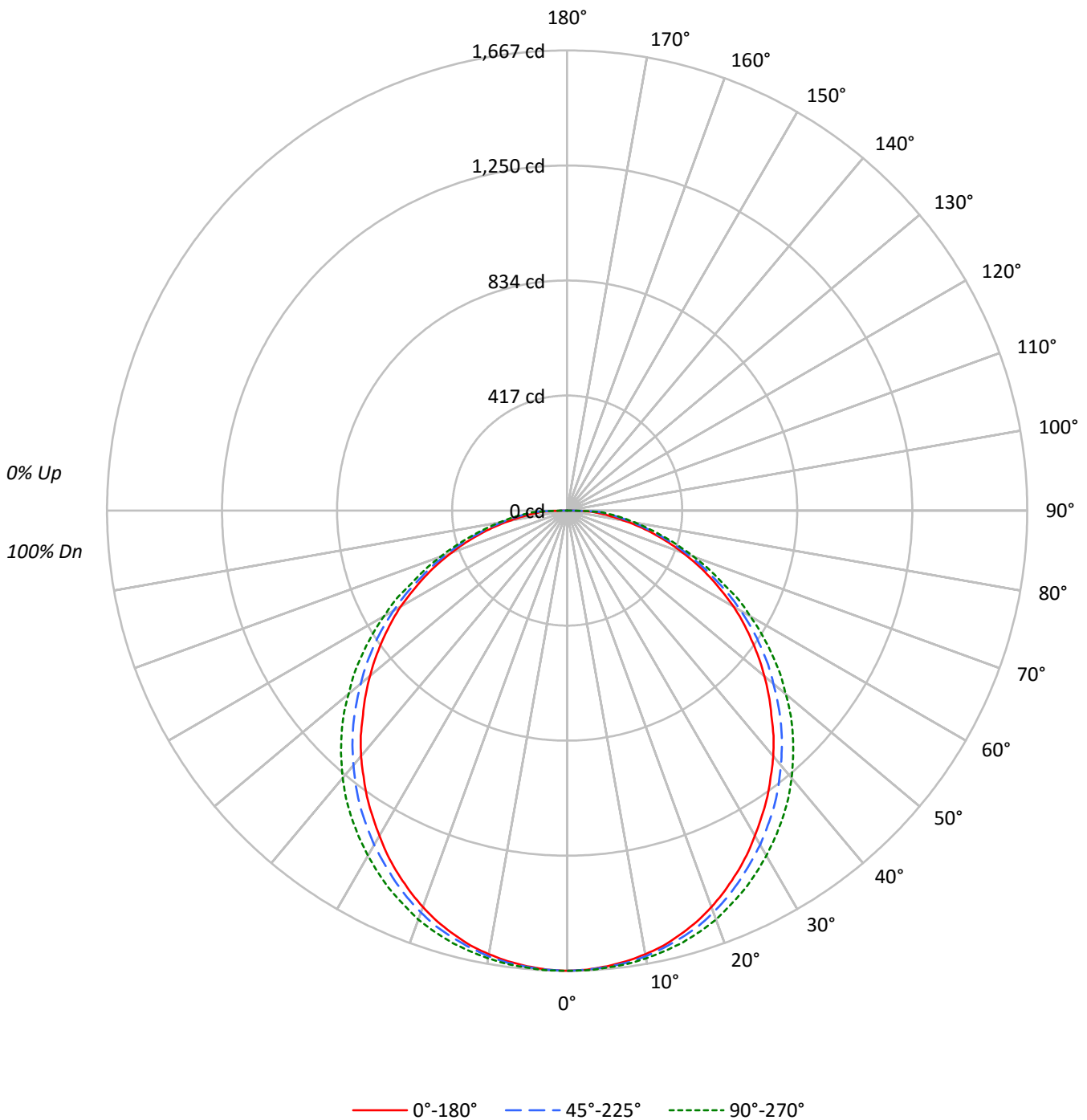
Lumens per Lamp: N/A  
Luminaire Lumens: 4835.4 lumens  
Efficiency: N/A  
Efficacy: 117.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 41.1  
Input Voltage (V): NR  
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4486	4486	4486
5°	4444	4437	4457
10°	4395	4389	4435
15°	4331	4326	4413
20°	4249	4253	4382
25°	4147	4162	4334
30°	4033	4068	4279
35°	3926	3968	4223
40°	3814	3850	4153
45°	3675	3732	4063
50°	3553	3581	3936
55°	3416	3433	3795
60°	3276	3248	3607
65°	3083	3016	3355
70°	2850	2765	3123
75°	2573	2488	2852
80°	2196	2196	2619
85°	1869	1985	2505



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.7	3.3
10°-20°	452.1	9.3
20°-30°	682.2	14.1
30°-40°	818.8	16.9
40°-50°	847.4	17.5
50°-60°	767.7	15.9
60°-70°	591.5	12.2
70°-80°	366.0	7.6
80°-90°	152.0	3.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1292.0	26.7
0°-40°	2110.8	43.7
0°-60°	3725.9	77.1
0°-90°	4835.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4835.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1667	1667	1667	1667	1667	
5°	1657	1657	1660	1660	1662	157
15°	1589	1592	1602	1612	1619	448
25°	1451	1456	1479	1504	1516	668
35°	1265	1275	1308	1343	1360	791
45°	1046	1061	1096	1137	1157	809
55°	815	827	855	893	905	729
65°	571	576	593	619	621	564
75°	324	332	344	360	360	344
85°	118	131	151	161	158	128
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1667.1	1667.1	1667.1	1667.1	1667.1
2.5°	1664.6	1664.6	1664.6	1664.6	1667.1
5°	1657.1	1657.1	1659.6	1659.6	1662.1
7.5°	1647.0	1647.0	1652.1	1652.1	1657.1
10°	1631.9	1634.5	1639.5	1642.0	1647.0
12.5°	1614.3	1614.3	1621.9	1629.4	1634.5
15°	1589.2	1591.7	1601.8	1611.8	1619.4
17.5°	1561.5	1564.1	1579.1	1589.2	1599.3
20°	1528.8	1531.4	1549.0	1564.1	1576.6
22.5°	1491.1	1496.2	1516.3	1536.4	1546.4
25°	1450.9	1455.9	1478.6	1503.7	1516.3
27.5°	1408.1	1415.7	1438.3	1466.0	1481.1
30°	1360.4	1370.4	1398.1	1428.3	1443.4
32.5°	1312.6	1322.7	1352.8	1388.0	1403.1
35°	1264.8	1274.9	1307.6	1342.8	1360.4
37.5°	1212.0	1222.1	1257.3	1295.0	1315.1
40°	1161.7	1171.8	1204.5	1247.2	1264.8
42.5°	1106.4	1116.5	1151.7	1191.9	1212.0
45°	1046.1	1061.1	1096.3	1136.6	1156.7
47.5°	990.7	1003.3	1036.0	1078.7	1098.9
50°	932.9	945.5	975.6	1018.4	1033.5
52.5°	875.1	887.6	917.8	958.0	973.1
55°	814.7	827.3	854.9	892.7	905.2
57.5°	756.9	766.9	792.1	827.3	837.3
60°	696.5	706.6	726.7	759.4	766.9
62.5°	631.2	638.7	661.3	691.5	701.6
65°	570.8	575.8	593.4	618.6	621.1
67.5°	507.9	513.0	530.6	548.2	555.7
70°	445.1	452.6	465.2	482.8	487.8
72.5°	384.7	392.3	404.8	419.9	422.4
75°	324.4	331.9	344.5	359.6	359.6
77.5°	266.5	274.1	289.2	301.7	301.7
80°	208.7	221.3	236.4	248.9	248.9
82.5°	160.9	171.0	191.1	201.2	201.2
85°	118.2	130.8	150.9	160.9	158.4
87.5°	85.5	98.1	115.7	123.2	120.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)