

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: P385313

Luminaire Tested: **22ID-50-L850-CNV**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385313  
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-L850-CNV  
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

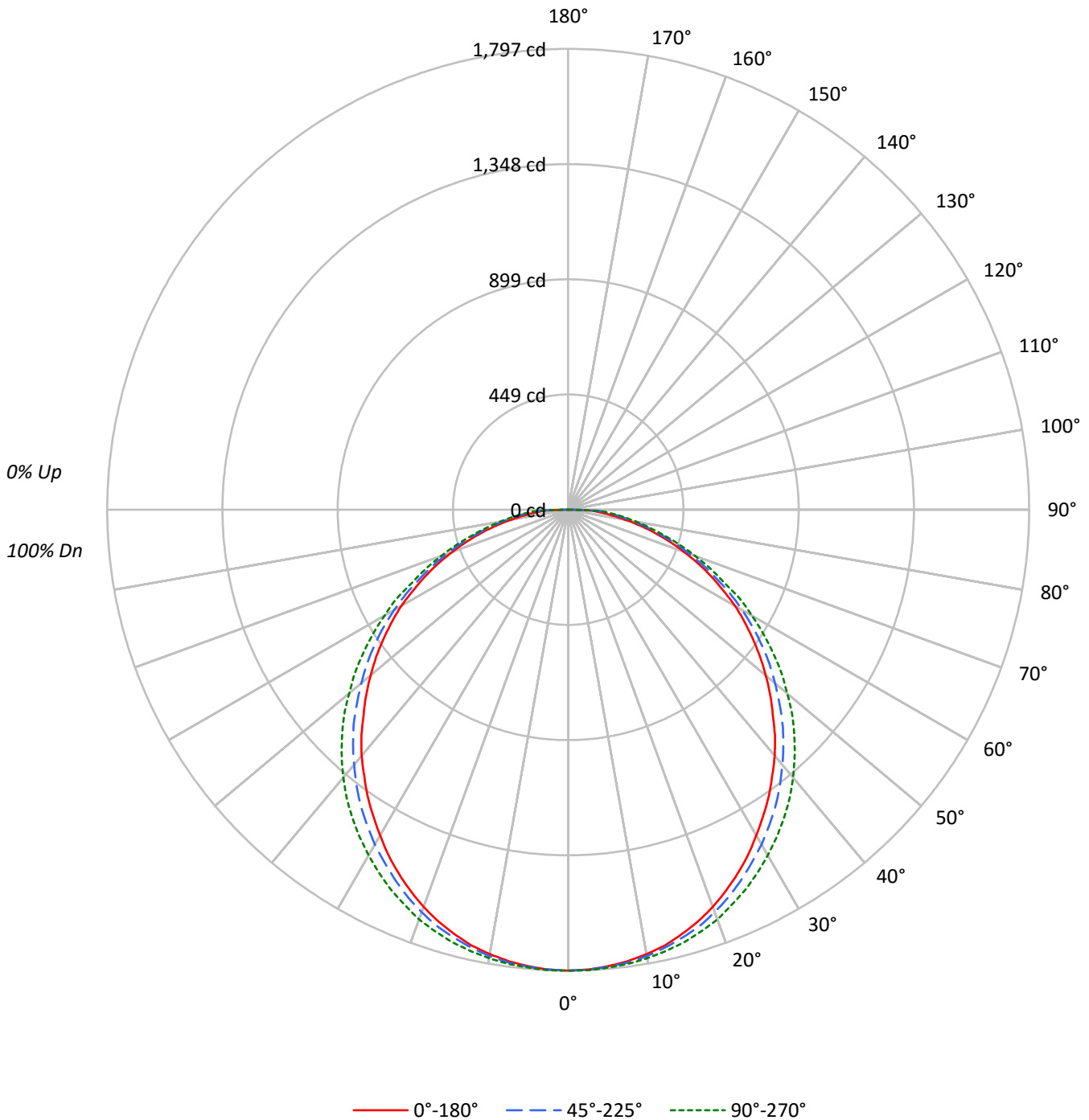
Lumens per Lamp: N/A  
Luminaire Lumens: 5213.2 lumens  
Efficiency: N/A  
Efficacy: 125.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 41.5  
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°	4837	4837	4837
5°	4791	4784	4806
10°	4738	4732	4782
15°	4669	4664	4758
20°	4581	4586	4724
25°	4471	4487	4672
30°	4348	4385	4613
35°	4233	4278	4553
40°	4112	4151	4477
45°	3962	4024	4381
50°	3830	3861	4243
55°	3683	3701	4092
60°	3532	3502	3889
65°	3324	3252	3617
70°	3072	2981	3367
75°	2773	2682	3075
80°	2368	2367	2824
85°	2015	2140	2701



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.1	3.3
10°-20°	487.4	9.3
20°-30°	735.5	14.1
30°-40°	882.8	16.9
40°-50°	913.6	17.5
50°-60°	827.7	15.9
60°-70°	637.7	12.2
70°-80°	394.6	7.6
80°-90°	163.9	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°	1392.9	26.7
0°-40°	2275.8	43.7
0°-60°	4017.0	77.1
0°-90°	5213.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5213.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1797	1797	1797	1797	1797	
5°	1787	1787	1789	1789	1792	170
15°	1713	1716	1727	1738	1746	483
25°	1564	1570	1594	1621	1635	721
35°	1364	1374	1410	1448	1467	853
45°	1128	1144	1182	1225	1247	872
55°	878	892	922	962	976	786
65°	615	621	640	667	670	609
75°	350	358	371	388	388	370
85°	127	141	163	174	171	138
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1797.4	1797.4	1797.4	1797.4	1797.4
2.5°	1794.7	1794.7	1794.7	1794.7	1797.4
5°	1786.6	1786.6	1789.3	1789.3	1792.0
7.5°	1775.7	1775.7	1781.1	1781.1	1786.6
10°	1759.5	1762.2	1767.6	1770.3	1775.7
12.5°	1740.5	1740.5	1748.6	1756.7	1762.2
15°	1713.4	1716.1	1726.9	1737.8	1745.9
17.5°	1683.5	1686.3	1702.5	1713.4	1724.2
20°	1648.3	1651.0	1670.0	1686.3	1699.8
22.5°	1607.6	1613.1	1634.7	1656.4	1667.3
25°	1564.3	1569.7	1594.1	1621.2	1634.7
27.5°	1518.2	1526.3	1550.7	1580.5	1596.8
30°	1466.7	1477.5	1507.3	1539.9	1556.1
32.5°	1415.2	1426.0	1458.5	1496.5	1512.7
35°	1363.6	1374.5	1409.7	1447.7	1466.7
37.5°	1306.7	1317.6	1355.5	1396.2	1417.9
40°	1252.5	1263.3	1298.6	1344.7	1363.6
42.5°	1192.8	1203.7	1241.6	1285.0	1306.7
45°	1127.8	1144.1	1182.0	1225.4	1247.1
47.5°	1068.1	1081.7	1116.9	1163.0	1184.7
50°	1005.8	1019.3	1051.9	1098.0	1114.2
52.5°	943.4	957.0	989.5	1032.9	1049.2
55°	878.4	891.9	921.7	962.4	976.0
57.5°	816.0	826.9	854.0	891.9	902.8
60°	751.0	761.8	783.5	818.7	826.9
62.5°	680.5	688.6	713.0	745.5	756.4
65°	615.4	620.8	639.8	666.9	669.6
67.5°	547.6	553.0	572.0	591.0	599.1
70°	479.9	488.0	501.5	520.5	525.9
72.5°	414.8	422.9	436.5	452.7	455.5
75°	349.7	357.9	371.4	387.7	387.7
77.5°	287.4	295.5	311.8	325.3	325.3
80°	225.0	238.6	254.8	268.4	268.4
82.5°	173.5	184.3	206.0	216.9	216.9
85°	127.4	141.0	162.7	173.5	170.8
87.5°	92.2	105.7	124.7	132.8	130.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)