

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: P383962

Luminaire Tested: **22ID-45-L830-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383962  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22ID-45-L830-CFR2  
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

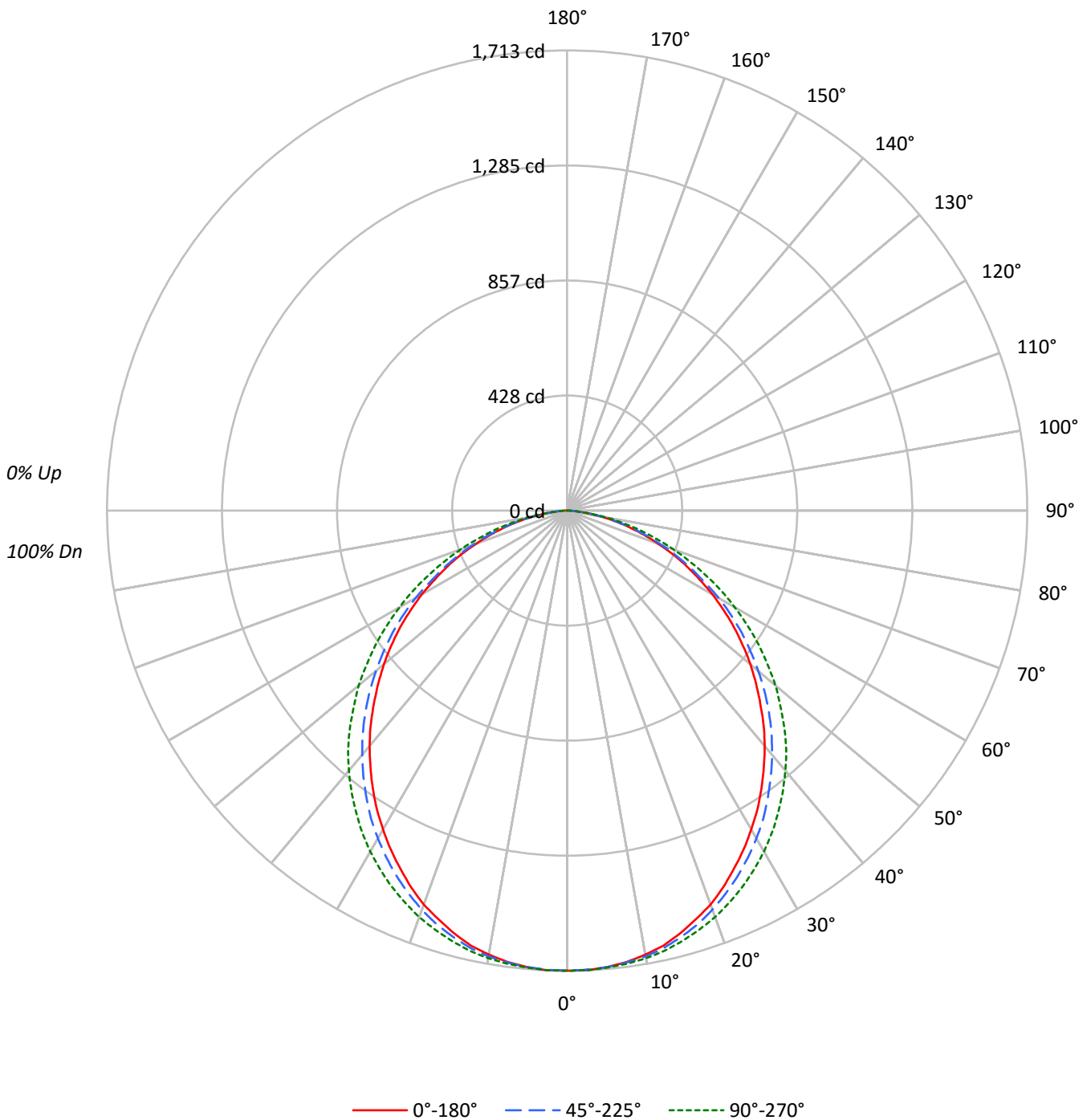
Lumens per Lamp: N/A  
Luminaire Lumens: 4521.0 lumens  
Efficiency: N/A  
Efficacy: 121.5 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 37.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

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

	0°	45°	90°
0°	4609	4609	4609
5°	4608	4608	4614
10°	4587	4605	4624
15°	4538	4576	4620
20°	4470	4528	4613
25°	4365	4459	4587
30°	4259	4378	4554
35°	4145	4279	4502
40°	4019	4170	4441
45°	3871	4043	4354
50°	3727	3888	4239
55°	3560	3720	4081
60°	3365	3511	3877
65°	3130	3231	3621
70°	2834	2941	3316
75°	2473	2567	2897
80°	2001	2036	2281
85°	1189	1328	1118



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.1	3.6
10°-20°	463.4	10.2
20°-30°	693.2	15.3
30°-40°	819.0	18.1
40°-50°	826.4	18.3
50°-60°	717.7	15.9
60°-70°	514.6	11.4
70°-80°	268.1	5.9
80°-90°	56.6	1.3
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°	1318.7	29.2
0°-40°	2137.7	47.3
0°-60°	3681.7	81.4
0°-90°	4521.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4521.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1713	1713	1713	1713	1713	
5°	1706	1704	1706	1706	1708	162
15°	1629	1631	1642	1654	1658	459
25°	1470	1479	1502	1531	1545	677
35°	1262	1271	1303	1350	1370	789
45°	1017	1028	1062	1117	1144	785
55°	759	766	793	845	870	678
65°	492	489	507	546	569	486
75°	238	236	247	265	279	254
85°	38	43	43	38	36	55
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1712.6	1712.6	1712.6	1712.6	1712.6
2.5°	1712.6	1710.3	1710.3	1710.3	1712.6
5°	1705.8	1703.6	1705.8	1705.8	1708.1
7.5°	1694.5	1692.2	1696.8	1699.0	1701.3
10°	1678.6	1678.6	1685.4	1690.0	1692.2
12.5°	1658.2	1658.2	1667.3	1674.1	1678.6
15°	1628.8	1631.1	1642.4	1653.7	1658.2
17.5°	1594.8	1601.6	1615.2	1631.1	1635.6
20°	1560.8	1565.4	1581.2	1601.6	1610.7
22.5°	1517.8	1524.6	1542.7	1569.9	1579.0
25°	1470.2	1479.3	1501.9	1531.4	1545.0
27.5°	1422.6	1429.4	1456.6	1490.6	1506.5
30°	1370.5	1379.6	1409.1	1447.6	1465.7
32.5°	1318.4	1325.2	1359.2	1400.0	1420.4
35°	1261.8	1270.9	1302.6	1350.2	1370.5
37.5°	1202.9	1214.2	1245.9	1295.8	1318.4
40°	1144.0	1150.8	1187.1	1236.9	1264.1
42.5°	1082.8	1091.9	1125.9	1180.3	1207.4
45°	1017.1	1028.5	1062.5	1116.8	1144.0
47.5°	953.7	965.0	996.8	1051.1	1076.0
50°	890.3	897.1	928.8	983.2	1012.6
52.5°	824.6	831.4	860.8	912.9	940.1
55°	758.9	765.7	792.9	845.0	869.9
57.5°	690.9	695.5	722.7	770.2	795.1
60°	625.2	627.5	652.4	695.5	720.4
62.5°	555.0	557.3	575.4	625.2	647.9
65°	491.6	489.3	507.4	546.0	568.6
67.5°	425.9	425.9	441.7	475.7	493.8
70°	360.2	360.2	373.8	403.2	421.4
72.5°	299.0	299.0	310.4	333.0	346.6
75°	237.9	235.6	246.9	265.0	278.6
77.5°	181.2	181.2	185.8	201.6	210.7
80°	129.1	129.1	131.4	140.5	147.2
82.5°	81.6	81.6	81.6	86.1	88.3
85°	38.5	43.0	43.0	38.5	36.2
87.5°	18.1	18.1	15.9	15.9	15.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)