

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: P383902

Luminaire Tested: **14ID-40-L830-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383902  
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: 14ID-40-L830-CFR2  
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

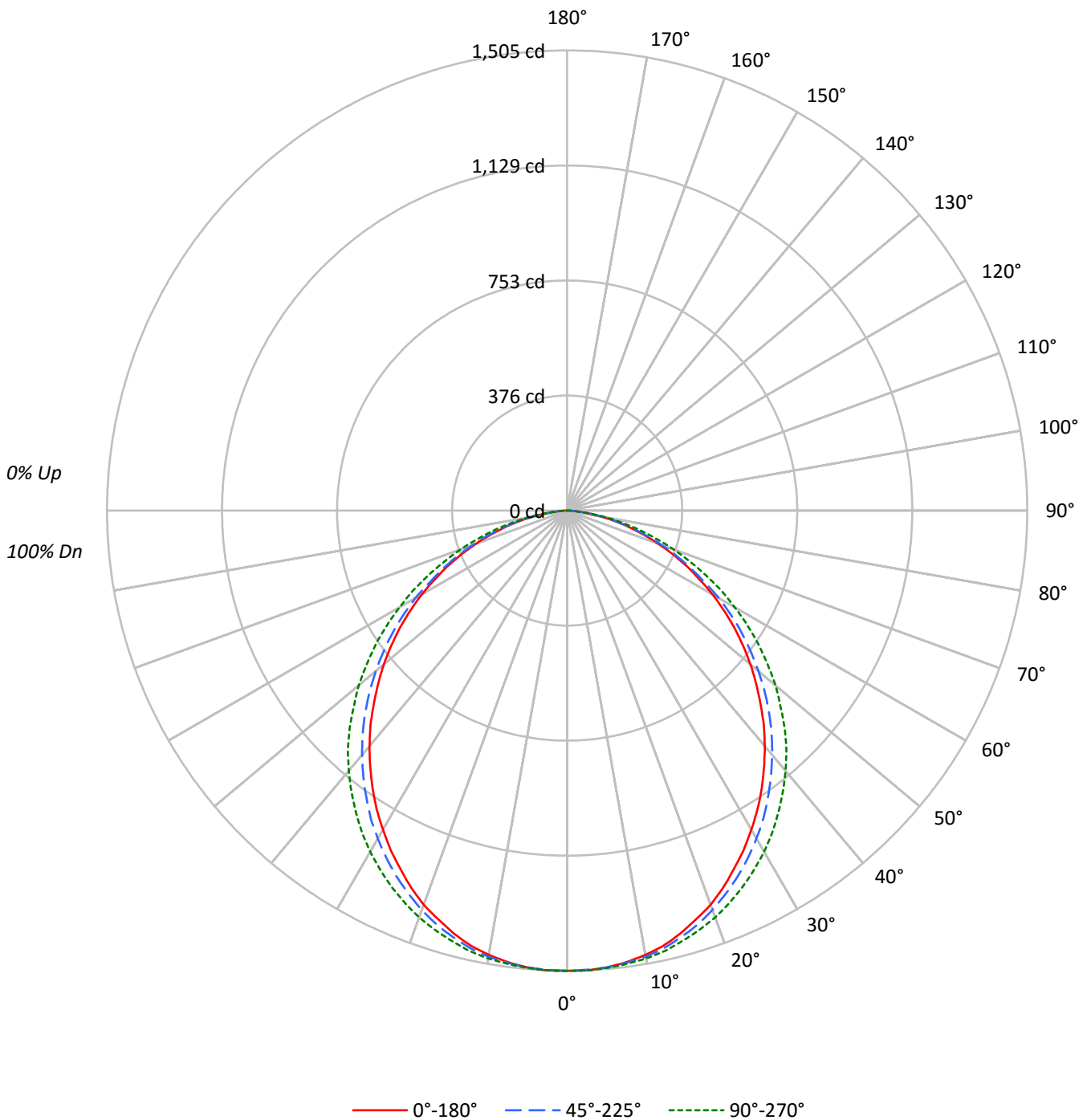
Lumens per Lamp: N/A  
Luminaire Lumens: 3974.0 lumens  
Efficiency: N/A  
Efficacy: 119.0 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 33.4  
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	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°	4051	4051	4051
5°	4050	4050	4056
10°	4032	4048	4065
15°	3989	4022	4061
20°	3929	3980	4054
25°	3837	3920	4032
30°	3743	3849	4003
35°	3643	3761	3958
40°	3532	3665	3903
45°	3403	3554	3827
50°	3276	3418	3726
55°	3130	3270	3587
60°	2958	3087	3408
65°	2751	2840	3182
70°	2491	2585	2914
75°	2174	2256	2546
80°	1759	1790	2005
85°	1047	1167	985



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.5	3.6
10°-20°	407.3	10.2
20°-30°	609.3	15.3
30°-40°	719.9	18.1
40°-50°	726.4	18.3
50°-60°	630.8	15.9
60°-70°	452.4	11.4
70°-80°	235.6	5.9
80°-90°	49.7	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°	1159.2	29.2
0°-40°	1879.0	47.3
0°-60°	3236.2	81.4
0°-90°	3974.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3974.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1505	1505	1505	1505	1505	
5°	1499	1497	1499	1499	1501	142
15°	1432	1434	1444	1454	1458	403
25°	1292	1300	1320	1346	1358	595
35°	1109	1117	1145	1187	1205	693
45°	894	904	934	982	1006	690
55°	667	673	697	743	765	596
65°	432	430	446	480	500	427
75°	209	207	217	233	245	223
85°	34	38	38	34	32	48
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1505.4	1505.4	1505.4	1505.4	1505.4
2.5°	1505.4	1503.4	1503.4	1503.4	1505.4
5°	1499.4	1497.4	1499.4	1499.4	1501.4
7.5°	1489.5	1487.5	1491.5	1493.5	1495.4
10°	1475.5	1475.5	1481.5	1485.5	1487.5
12.5°	1457.6	1457.6	1465.6	1471.6	1475.5
15°	1431.7	1433.7	1443.7	1453.6	1457.6
17.5°	1401.9	1407.8	1419.8	1433.7	1437.7
20°	1372.0	1376.0	1389.9	1407.8	1415.8
22.5°	1334.2	1340.1	1356.1	1380.0	1387.9
25°	1292.3	1300.3	1320.2	1346.1	1358.0
27.5°	1250.5	1256.5	1280.4	1310.3	1324.2
30°	1204.7	1212.7	1238.6	1272.4	1288.4
32.5°	1158.9	1164.9	1194.8	1230.6	1248.5
35°	1109.1	1117.1	1145.0	1186.8	1204.7
37.5°	1057.4	1067.3	1095.2	1139.0	1158.9
40°	1005.6	1011.6	1043.4	1087.2	1111.1
42.5°	951.8	959.8	989.7	1037.5	1061.3
45°	894.1	904.0	933.9	981.7	1005.6
47.5°	838.3	848.3	876.2	924.0	945.9
50°	782.6	788.5	816.4	864.2	890.1
52.5°	724.8	730.8	756.7	802.5	826.4
55°	667.1	673.1	696.9	742.7	764.6
57.5°	607.3	611.3	635.2	677.0	698.9
60°	549.6	551.6	573.5	611.3	633.2
62.5°	487.9	489.9	505.8	549.6	569.5
65°	432.1	430.1	446.0	479.9	499.8
67.5°	374.4	374.4	388.3	418.2	434.1
70°	316.6	316.6	328.6	354.4	370.4
72.5°	262.8	262.8	272.8	292.7	304.7
75°	209.1	207.1	217.0	233.0	244.9
77.5°	159.3	159.3	163.3	177.2	185.2
80°	113.5	113.5	115.5	123.5	129.4
82.5°	71.7	71.7	71.7	75.7	77.7
85°	33.9	37.8	37.8	33.9	31.9
87.5°	15.9	15.9	13.9	13.9	13.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)