

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: P383734

Luminaire Tested: **14ID-40-L830-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383734  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)  
Test Lab: INNOVATION CENTER (G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-40-L830-CFR1  
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

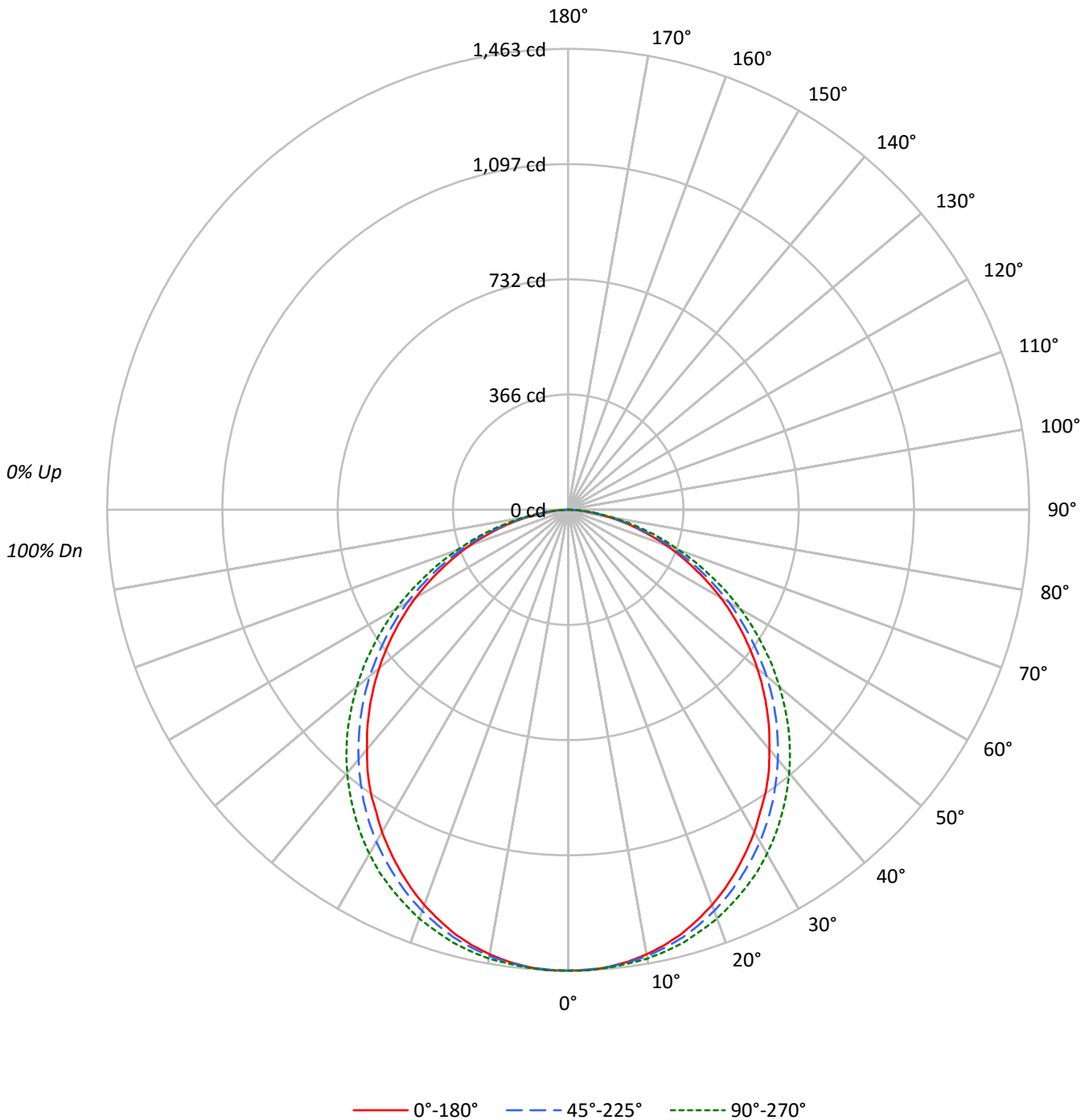
Lumens per Lamp: N/A  
Luminaire Lumens: 3974.0 lumens  
Efficiency: N/A  
Efficacy: 119.0 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 33.4  
Input Voltage (V): NR  
Input Current (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	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

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

	0°	45°	90°
0°	3938	3938	3938
5°	3937	3937	3942
10°	3916	3933	3955
15°	3882	3915	3960
20°	3824	3881	3956
25°	3751	3834	3941
30°	3671	3783	3920
35°	3592	3717	3881
40°	3490	3638	3834
45°	3393	3545	3766
50°	3280	3440	3666
55°	3151	3310	3545
60°	3012	3174	3400
65°	2813	2979	3182
70°	2611	2752	2941
75°	2328	2453	2661
80°	1951	2044	2230
85°	1482	1482	1667



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.5	3.5
10°-20°	396.3	10.0
20°-30°	595.8	15.0
30°-40°	708.8	17.8
40°-50°	721.2	18.1
50°-60°	634.7	16.0
60°-70°	465.6	11.7
70°-80°	252.7	6.4
80°-90°	60.3	1.5
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°	1130.6	28.4
0°-40°	1839.4	46.3
0°-60°	3195.4	80.4
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°	1463	1463	1463	1463	1463	
5°	1457	1455	1457	1457	1459	138
15°	1393	1395	1405	1413	1421	392
25°	1263	1271	1291	1313	1327	582
35°	1093	1101	1131	1165	1181	683
45°	892	900	932	972	990	687
55°	672	682	706	740	756	601
65°	442	450	468	488	500	439
75°	224	228	236	248	256	238
85°	48	48	48	52	54	58
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1463.3	1463.3	1463.3	1463.3	1463.3
2.5°	1463.3	1461.3	1461.3	1461.3	1463.3
5°	1457.3	1455.3	1457.3	1457.3	1459.3
7.5°	1447.3	1445.3	1449.3	1451.3	1453.3
10°	1433.3	1433.3	1439.3	1443.3	1447.3
12.5°	1415.3	1417.3	1423.3	1429.3	1435.3
15°	1393.3	1395.3	1405.3	1413.3	1421.3
17.5°	1365.3	1369.3	1381.3	1393.3	1401.3
20°	1335.3	1341.3	1355.3	1371.3	1381.3
22.5°	1301.3	1309.3	1325.3	1345.3	1355.3
25°	1263.4	1271.4	1291.3	1313.3	1327.3
27.5°	1223.4	1233.4	1255.4	1281.4	1297.3
30°	1181.4	1191.4	1217.4	1245.4	1261.4
32.5°	1135.4	1147.4	1175.4	1207.4	1223.4
35°	1093.4	1101.4	1131.4	1165.4	1181.4
37.5°	1045.5	1055.5	1083.5	1119.4	1137.4
40°	993.5	1003.5	1035.5	1071.5	1091.4
42.5°	943.5	951.5	983.5	1023.5	1041.5
45°	891.5	899.5	931.5	971.5	989.5
47.5°	837.6	847.6	877.6	915.5	933.5
50°	783.6	791.6	821.6	857.6	875.6
52.5°	727.6	735.6	763.6	799.6	817.6
55°	671.7	681.7	705.6	739.6	755.6
57.5°	615.7	625.7	647.7	679.7	693.6
60°	559.7	567.7	589.7	617.7	631.7
62.5°	499.7	505.7	527.7	555.7	567.7
65°	441.8	449.8	467.8	487.8	499.7
67.5°	387.8	391.8	407.8	429.8	437.8
70°	331.8	335.8	349.8	367.8	373.8
72.5°	275.9	281.9	291.9	307.8	315.8
75°	223.9	227.9	235.9	247.9	255.9
77.5°	173.9	175.9	181.9	191.9	197.9
80°	125.9	127.9	131.9	139.9	143.9
82.5°	84.0	86.0	88.0	92.0	96.0
85°	48.0	48.0	48.0	52.0	54.0
87.5°	18.0	16.0	16.0	16.0	16.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)