

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: P383721

Luminaire Tested: **14ID-20-L850-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383721  
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-20-L850-CFR1  
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

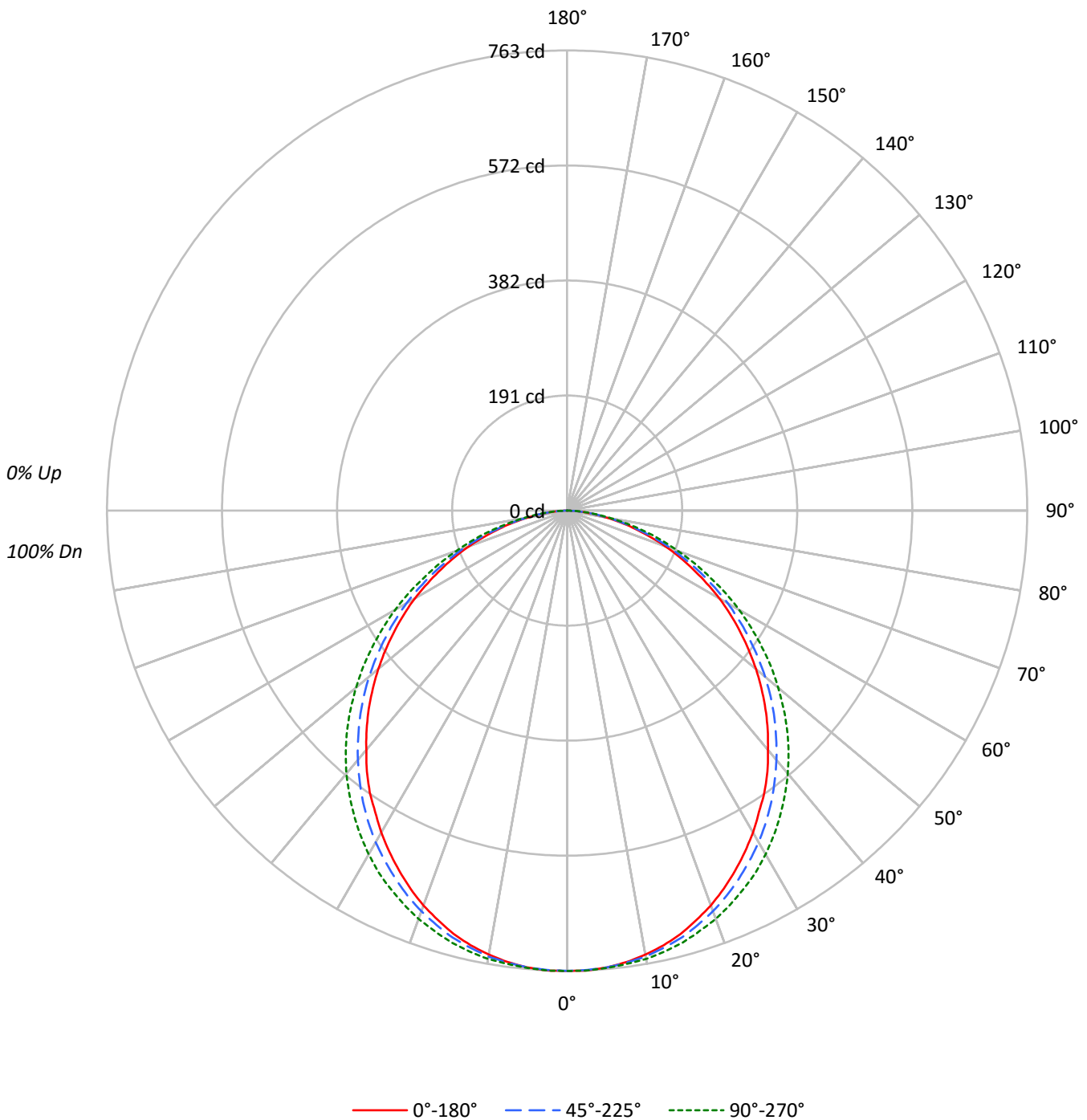
Lumens per Lamp: N/A  
Luminaire Lumens: 2073.0 lumens  
Efficiency: N/A  
Efficacy: 125.6 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 16.5  
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°	2054	2054	2054
5°	2053	2053	2056
10°	2043	2052	2063
15°	2025	2042	2065
20°	1995	2025	2063
25°	1957	2000	2056
30°	1915	1973	2045
35°	1874	1939	2025
40°	1820	1897	2000
45°	1770	1849	1964
50°	1711	1794	1912
55°	1644	1727	1849
60°	1572	1655	1773
65°	1467	1554	1660
70°	1362	1436	1534
75°	1214	1279	1388
80°	1018	1066	1164
85°	772	772	871



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.2	3.5
10°-20°	206.7	10.0
20°-30°	310.8	15.0
30°-40°	369.7	17.8
40°-50°	376.2	18.1
50°-60°	331.1	16.0
60°-70°	242.9	11.7
70°-80°	131.8	6.4
80°-90°	31.4	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°	589.8	28.5
0°-40°	959.5	46.3
0°-60°	1666.8	80.4
0°-90°	2073.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2073.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	763	763	763	763	763	
5°	760	759	760	760	761	72
15°	727	728	733	737	741	205
25°	659	663	674	685	692	304
35°	570	575	590	608	616	356
45°	465	469	486	507	516	359
55°	350	356	368	386	394	313
65°	230	235	244	254	261	229
75°	117	119	123	129	134	124
85°	25	25	25	27	28	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	763.3	763.3	763.3	763.3	763.3
2.5°	763.3	762.3	762.3	762.3	763.3
5°	760.2	759.1	760.2	760.2	761.2
7.5°	755.0	753.9	756.0	757.0	758.1
10°	747.7	747.7	750.8	752.9	755.0
12.5°	738.3	739.3	742.4	745.6	748.7
15°	726.8	727.8	733.1	737.2	741.4
17.5°	712.2	714.3	720.5	726.8	731.0
20°	696.6	699.7	707.0	715.3	720.5
22.5°	678.8	683.0	691.3	701.8	707.0
25°	659.0	663.2	673.6	685.1	692.4
27.5°	638.2	643.4	654.8	668.4	676.7
30°	616.3	621.5	635.0	649.6	658.0
32.5°	592.3	598.5	613.1	629.8	638.2
35°	570.4	574.6	590.2	607.9	616.3
37.5°	545.4	550.6	565.2	583.9	593.3
40°	518.2	523.5	540.1	558.9	569.3
42.5°	492.2	496.4	513.0	533.9	543.3
45°	465.1	469.2	485.9	506.8	516.2
47.5°	436.9	442.1	457.8	477.6	487.0
50°	408.8	412.9	428.6	447.3	456.7
52.5°	379.6	383.7	398.3	417.1	426.5
55°	350.4	355.6	368.1	385.8	394.2
57.5°	321.2	326.4	337.9	354.5	361.8
60°	292.0	296.1	307.6	322.2	329.5
62.5°	260.7	263.8	275.3	289.9	296.1
65°	230.4	234.6	244.0	254.4	260.7
67.5°	202.3	204.4	212.7	224.2	228.4
70°	173.1	175.2	182.5	191.9	195.0
72.5°	143.9	147.0	152.2	160.6	164.8
75°	116.8	118.9	123.0	129.3	133.5
77.5°	90.7	91.8	94.9	100.1	103.2
80°	65.7	66.7	68.8	73.0	75.1
82.5°	43.8	44.8	45.9	48.0	50.1
85°	25.0	25.0	25.0	27.1	28.2
87.5°	9.4	8.3	8.3	8.3	8.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)