

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: P383936

Luminaire Tested: **14ID-80-L840-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383936  
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-80-L840-CFR2  
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

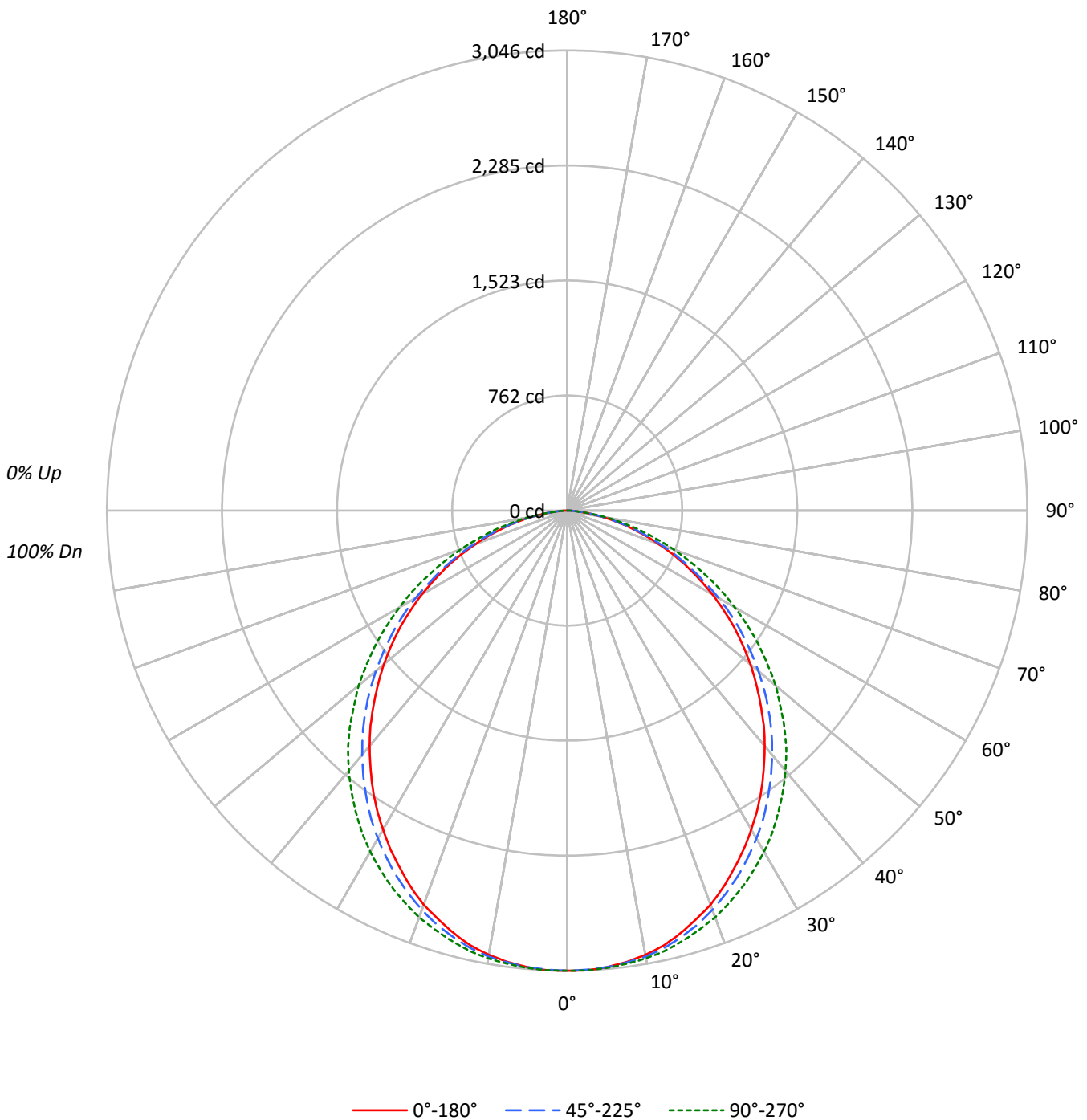
Lumens per Lamp: N/A  
Luminaire Lumens: 8041.0 lumens  
Efficiency: N/A  
Efficacy: 104.3 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 77.1  
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°	8197	8197	8197
5°	8195	8195	8206
10°	8158	8191	8224
15°	8071	8138	8216
20°	7950	8054	8204
25°	7764	7932	8159
30°	7574	7787	8100
35°	7372	7611	8008
40°	7148	7417	7898
45°	6885	7191	7743
50°	6629	6916	7540
55°	6333	6616	7259
60°	5985	6245	6896
65°	5567	5747	6439
70°	5040	5231	5896
75°	4399	4566	5153
80°	3560	3622	4059
85°	2115	2365	1991



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	288.4	3.6
10°-20°	824.2	10.2
20°-30°	1232.9	15.3
30°-40°	1456.6	18.1
40°-50°	1469.8	18.3
50°-60°	1276.4	15.9
60°-70°	915.3	11.4
70°-80°	476.8	5.9
80°-90°	100.6	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°	2345.4	29.2
0°-40°	3802.0	47.3
0°-60°	6548.2	81.4
0°-90°	8041.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8041.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3046	3046	3046	3046	3046	
5°	3034	3030	3034	3034	3038	288
15°	2897	2901	2921	2941	2949	816
25°	2615	2631	2671	2724	2748	1205
35°	2244	2260	2317	2401	2438	1403
45°	1809	1829	1890	1986	2035	1397
55°	1350	1362	1410	1503	1547	1206
65°	874	870	902	971	1011	864
75°	423	419	439	471	496	451
85°	68	77	77	68	64	98
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3046.0	3046.0	3046.0	3046.0	3046.0
2.5°	3046.0	3042.0	3042.0	3042.0	3046.0
5°	3033.9	3029.9	3033.9	3033.9	3038.0
7.5°	3013.8	3009.8	3017.8	3021.9	3025.9
10°	2985.6	2985.6	2997.7	3005.7	3009.8
12.5°	2949.3	2949.3	2965.5	2977.5	2985.6
15°	2897.0	2901.0	2921.1	2941.3	2949.3
17.5°	2836.5	2848.6	2872.8	2901.0	2909.0
20°	2776.1	2784.1	2812.3	2848.6	2864.7
22.5°	2699.5	2711.6	2743.9	2792.2	2808.3
25°	2614.9	2631.0	2671.3	2723.7	2747.9
27.5°	2530.3	2542.4	2590.7	2651.2	2679.4
30°	2437.6	2453.8	2506.1	2574.6	2606.9
32.5°	2345.0	2357.1	2417.5	2490.0	2526.3
35°	2244.2	2260.4	2316.8	2401.4	2437.6
37.5°	2139.5	2159.6	2216.0	2304.7	2345.0
40°	2034.7	2046.8	2111.3	2199.9	2248.3
42.5°	1925.9	1942.1	2002.5	2099.2	2147.5
45°	1809.1	1829.2	1889.7	1986.4	2034.7
47.5°	1696.3	1716.4	1772.8	1869.5	1913.8
50°	1583.5	1595.5	1652.0	1748.7	1801.0
52.5°	1466.6	1478.7	1531.1	1623.7	1672.1
55°	1349.8	1361.9	1410.2	1502.9	1547.2
57.5°	1228.9	1236.9	1285.3	1369.9	1414.2
60°	1112.0	1116.1	1160.4	1236.9	1281.3
62.5°	987.1	991.2	1023.4	1112.0	1152.3
65°	874.3	870.3	902.5	971.0	1011.3
67.5°	757.5	757.5	785.7	846.1	878.4
70°	640.6	640.6	664.8	717.2	749.4
72.5°	531.8	531.8	552.0	592.3	616.5
75°	423.1	419.0	439.2	471.4	495.6
77.5°	322.3	322.3	330.4	358.6	374.7
80°	229.7	229.7	233.7	249.8	261.9
82.5°	145.0	145.0	145.0	153.1	157.1
85°	68.5	76.6	76.6	68.5	64.5
87.5°	32.2	32.2	28.2	28.2	28.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)