

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: P383768

Luminaire Tested: **14ID-80-L840-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383768  
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-80-L840-CFR1  
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

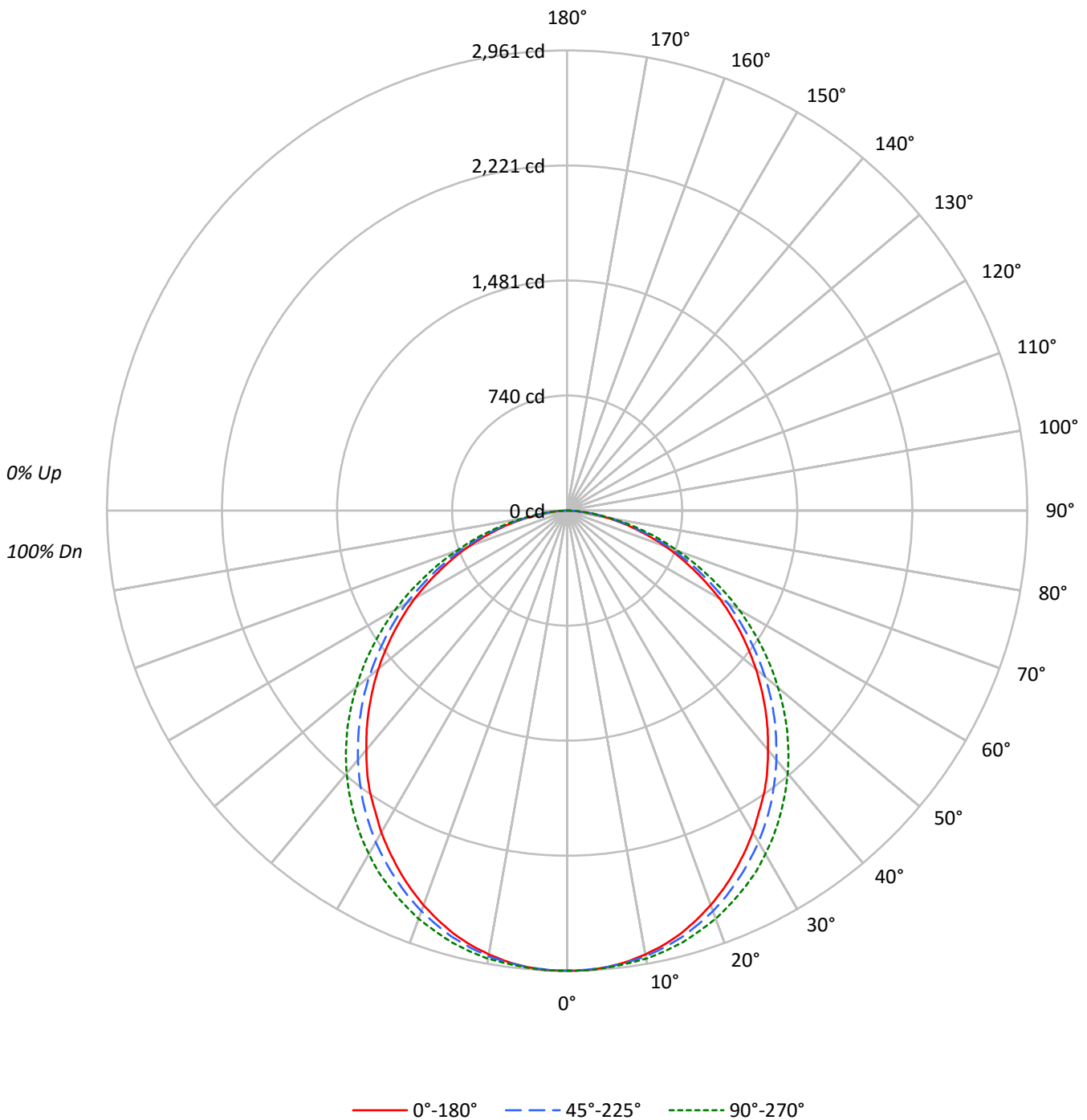
Lumens per Lamp: N/A  
Luminaire Lumens: 8041.0 lumens  
Efficiency: N/A  
Efficacy: 104.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

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	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°	7967	7967	7967
5°	7965	7965	7976
10°	7924	7958	8002
15°	7854	7922	8012
20°	7737	7853	8004
25°	7590	7758	7974
30°	7428	7654	7930
35°	7268	7521	7853
40°	7061	7360	7758
45°	6865	7173	7620
50°	6638	6960	7417
55°	6376	6699	7173
60°	6095	6422	6879
65°	5692	6027	6439
70°	5283	5569	5951
75°	4710	4963	5383
80°	3949	4138	4513
85°	2998	2998	3372



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	280.2	3.5
10°-20°	801.8	10.0
20°-30°	1205.6	15.0
30°-40°	1434.2	17.8
40°-50°	1459.3	18.1
50°-60°	1284.3	16.0
60°-70°	942.1	11.7
70°-80°	511.4	6.4
80°-90°	122.0	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°	2287.6	28.4
0°-40°	3721.9	46.3
0°-60°	6465.5	80.4
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°	2961	2961	2961	2961	2961	
5°	2949	2945	2949	2949	2953	280
15°	2819	2823	2844	2860	2876	794
25°	2556	2572	2613	2657	2686	1177
35°	2212	2229	2289	2358	2390	1381
45°	1804	1820	1885	1966	2002	1391
55°	1359	1379	1428	1497	1529	1215
65°	894	910	946	987	1011	888
75°	453	461	477	502	518	481
85°	97	97	97	105	109	117
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2960.8	2960.8	2960.8	2960.8	2960.8
2.5°	2960.8	2956.7	2956.7	2956.7	2960.8
5°	2948.6	2944.6	2948.6	2948.6	2952.7
7.5°	2928.4	2924.4	2932.4	2936.5	2940.5
10°	2900.1	2900.1	2912.2	2920.3	2928.4
12.5°	2863.7	2867.7	2879.9	2892.0	2904.1
15°	2819.2	2823.2	2843.5	2859.6	2875.8
17.5°	2762.6	2770.7	2794.9	2819.2	2835.4
20°	2701.9	2714.0	2742.3	2774.7	2794.9
22.5°	2633.1	2649.3	2681.7	2722.1	2742.3
25°	2556.3	2572.5	2612.9	2657.4	2685.7
27.5°	2475.4	2495.6	2540.1	2592.7	2625.0
30°	2390.5	2410.7	2463.3	2519.9	2552.2
32.5°	2297.4	2321.7	2378.3	2443.0	2475.4
35°	2212.5	2228.7	2289.3	2358.1	2390.5
37.5°	2115.4	2135.6	2192.3	2265.1	2301.5
40°	2010.2	2030.5	2095.2	2168.0	2208.4
42.5°	1909.1	1925.3	1990.0	2070.9	2107.3
45°	1804.0	1820.1	1884.9	1965.8	2002.2
47.5°	1694.8	1715.0	1775.6	1852.5	1888.9
50°	1585.5	1601.7	1662.4	1735.2	1771.6
52.5°	1472.3	1488.5	1545.1	1617.9	1654.3
55°	1359.0	1379.3	1427.8	1496.6	1528.9
57.5°	1245.8	1266.0	1310.5	1375.2	1403.5
60°	1132.5	1148.7	1193.2	1249.8	1278.1
62.5°	1011.2	1023.3	1067.8	1124.4	1148.7
65°	893.9	910.1	946.5	986.9	1011.2
67.5°	784.7	792.8	825.1	869.6	885.8
70°	671.4	679.5	707.8	744.2	756.4
72.5°	558.2	570.3	590.5	622.9	639.1
75°	453.0	461.1	477.3	501.5	517.7
77.5°	351.9	355.9	368.1	388.3	400.4
80°	254.8	258.9	267.0	283.1	291.2
82.5°	169.9	173.9	178.0	186.1	194.1
85°	97.1	97.1	97.1	105.2	109.2
87.5°	36.4	32.4	32.4	32.4	32.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)