

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: P383933

Luminaire Tested: **14ID-75-L850-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383933  
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-75-L850-CFR2  
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

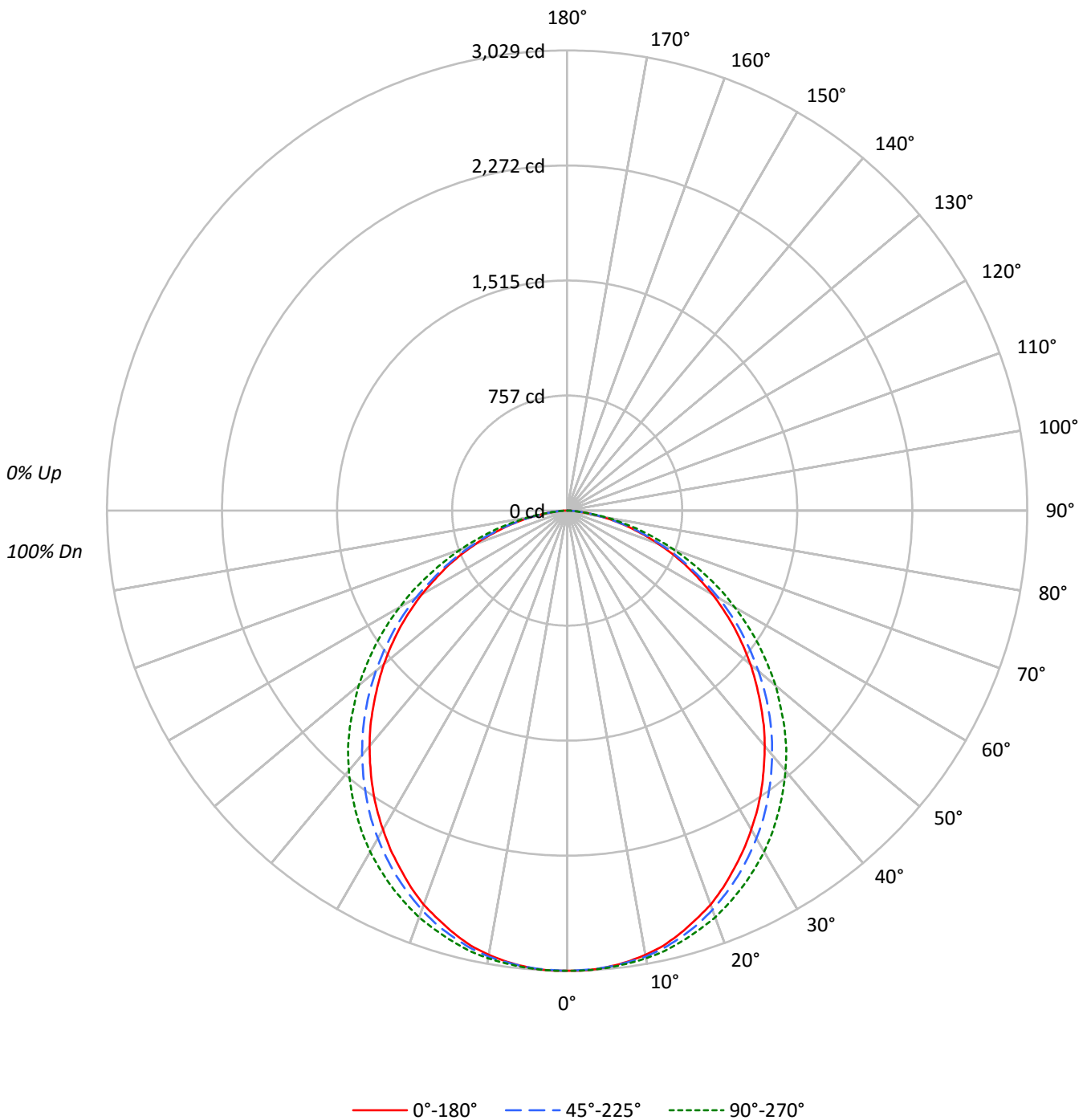
Lumens per Lamp: N/A  
Luminaire Lumens: 7996.6 lumens  
Efficiency: N/A  
Efficacy: 112.8 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 70.9  
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°	8152	8152	8152
5°	8150	8150	8161
10°	8113	8146	8179
15°	8026	8093	8171
20°	7906	8009	8158
25°	7721	7888	8114
30°	7533	7744	8056
35°	7332	7569	7964
40°	7108	7376	7854
45°	6847	7152	7701
50°	6592	6877	7498
55°	6298	6579	7219
60°	5952	6211	6858
65°	5536	5715	6404
70°	5013	5201	5864
75°	4374	4541	5124
80°	3539	3601	4035
85°	2103	2350	1979



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	286.8	3.6
10°-20°	819.6	10.2
20°-30°	1226.1	15.3
30°-40°	1448.6	18.1
40°-50°	1461.7	18.3
50°-60°	1269.4	15.9
60°-70°	910.2	11.4
70°-80°	474.2	5.9
80°-90°	100.1	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°	2332.5	29.2
0°-40°	3781.0	47.3
0°-60°	6512.1	81.4
0°-90°	7996.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7996.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3029	3029	3029	3029	3029	
5°	3017	3013	3017	3017	3021	286
15°	2881	2885	2905	2925	2933	812
25°	2600	2616	2657	2709	2733	1198
35°	2232	2248	2304	2388	2424	1395
45°	1799	1819	1879	1975	2024	1389
55°	1342	1354	1402	1495	1539	1199
65°	870	866	898	966	1006	860
75°	421	417	437	469	493	449
85°	68	76	76	68	64	98
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3029.2	3029.2	3029.2	3029.2	3029.2
2.5°	3029.2	3025.2	3025.2	3025.2	3029.2
5°	3017.2	3013.2	3017.2	3017.2	3021.2
7.5°	2997.2	2993.2	3001.2	3005.2	3009.2
10°	2969.1	2969.1	2981.1	2989.1	2993.2
12.5°	2933.1	2933.1	2949.1	2961.1	2969.1
15°	2881.0	2885.0	2905.0	2925.0	2933.1
17.5°	2820.9	2832.9	2856.9	2885.0	2893.0
20°	2760.8	2768.8	2796.8	2832.9	2848.9
22.5°	2684.6	2696.6	2728.7	2776.8	2792.8
25°	2600.5	2616.5	2656.6	2708.7	2732.7
27.5°	2516.3	2528.4	2576.4	2636.5	2664.6
30°	2424.2	2440.2	2492.3	2560.4	2592.5
32.5°	2332.0	2344.0	2404.1	2476.3	2512.3
35°	2231.8	2247.9	2304.0	2388.1	2424.2
37.5°	2127.7	2147.7	2203.8	2291.9	2332.0
40°	2023.5	2035.5	2099.6	2187.8	2235.9
42.5°	1915.3	1931.3	1991.4	2087.6	2135.7
45°	1799.1	1819.1	1879.2	1975.4	2023.5
47.5°	1686.9	1706.9	1763.0	1859.2	1903.3
50°	1574.7	1586.7	1642.8	1739.0	1791.1
52.5°	1458.5	1470.5	1522.6	1614.8	1662.9
55°	1342.3	1354.3	1402.4	1494.6	1538.7
57.5°	1222.1	1230.1	1278.2	1362.3	1406.4
60°	1105.9	1109.9	1154.0	1230.1	1274.2
62.5°	981.7	985.7	1017.8	1105.9	1146.0
65°	869.5	865.5	897.5	965.7	1005.7
67.5°	753.3	753.3	781.3	841.4	873.5
70°	637.1	637.1	661.1	713.2	745.3
72.5°	528.9	528.9	548.9	589.0	613.1
75°	420.7	416.7	436.8	468.8	492.8
77.5°	320.6	320.6	328.6	356.6	372.6
80°	228.4	228.4	232.4	248.4	260.4
82.5°	144.2	144.2	144.2	152.3	156.3
85°	68.1	76.1	76.1	68.1	64.1
87.5°	32.1	32.1	28.0	28.0	28.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)