

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: P383817

Luminaire Tested: **22ID-70-L850-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383817  
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: 22ID-70-L850-CFR1  
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

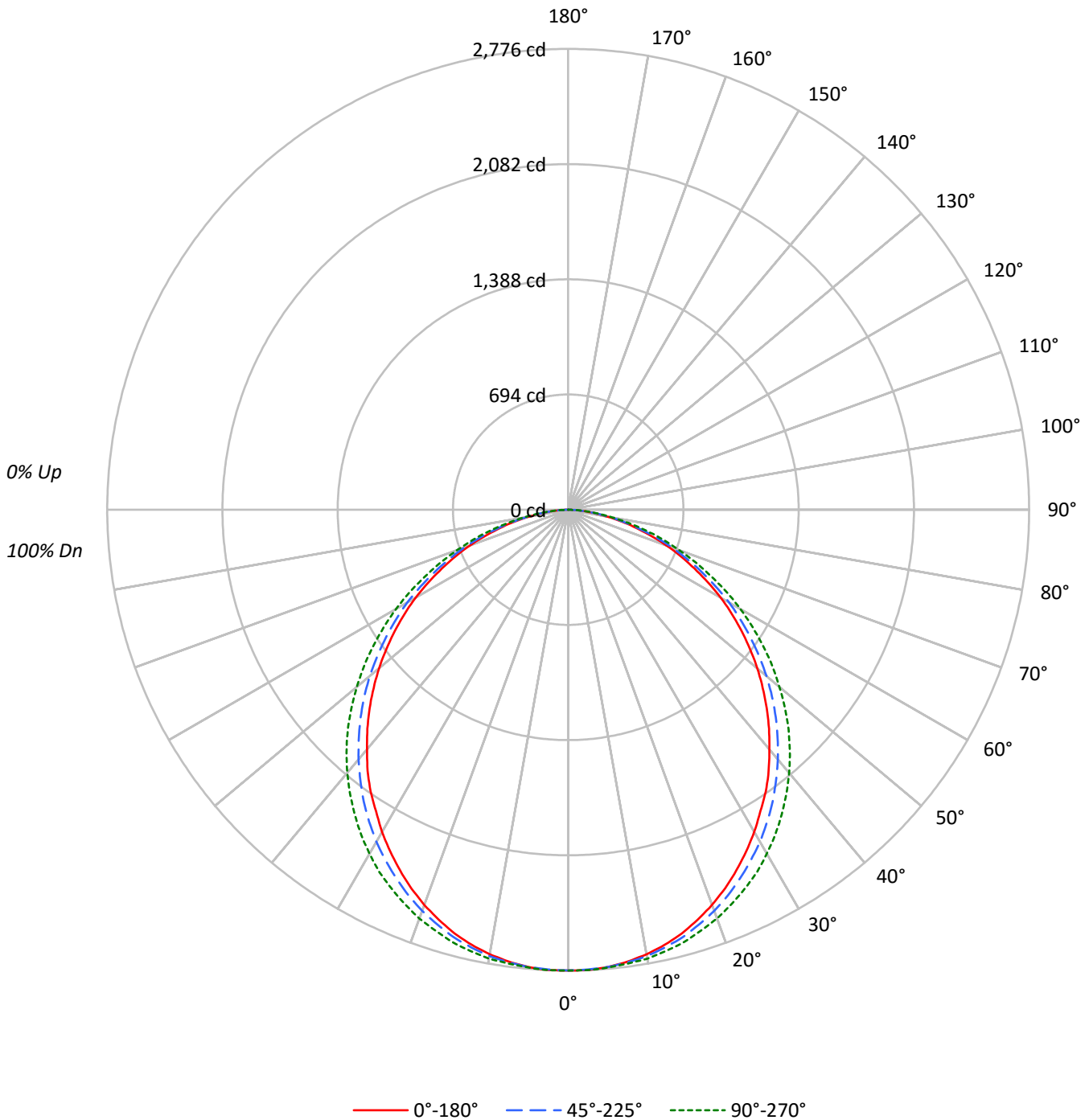
Lumens per Lamp: N/A  
Luminaire Lumens: 7539.3 lumens  
Efficiency: N/A  
Efficacy: 122.0 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 61.8  
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°	7470	7470	7470
5°	7468	7468	7478
10°	7430	7461	7503
15°	7364	7428	7512
20°	7255	7363	7504
25°	7116	7274	7477
30°	6964	7177	7436
35°	6815	7051	7363
40°	6621	6901	7274
45°	6437	6726	7144
50°	6224	6525	6954
55°	5978	6281	6725
60°	5715	6021	6450
65°	5337	5650	6037
70°	4953	5222	5580
75°	4416	4653	5047
80°	3702	3879	4232
85°	2810	2810	3162



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	262.7	3.5
10°-20°	751.8	10.0
20°-30°	1130.4	15.0
30°-40°	1344.7	17.8
40°-50°	1368.3	18.1
50°-60°	1204.2	16.0
60°-70°	883.3	11.7
70°-80°	479.5	6.4
80°-90°	114.4	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°	2144.9	28.4
0°-40°	3489.6	46.3
0°-60°	6062.1	80.4
0°-90°	7539.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7539.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2776	2776	2776	2776	2776	
5°	2765	2761	2765	2765	2768	262
15°	2643	2647	2666	2681	2696	745
25°	2397	2412	2450	2492	2518	1104
35°	2074	2090	2146	2211	2241	1295
45°	1691	1707	1767	1843	1877	1304
55°	1274	1293	1339	1403	1434	1140
65°	838	853	887	925	948	833
75°	425	432	448	470	485	451
85°	91	91	91	99	102	110
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2776.0	2776.0	2776.0	2776.0	2776.0
2.5°	2776.0	2772.2	2772.2	2772.2	2776.0
5°	2764.7	2760.9	2764.7	2764.7	2768.4
7.5°	2745.7	2741.9	2749.5	2753.3	2757.1
10°	2719.1	2719.1	2730.5	2738.1	2745.7
12.5°	2685.0	2688.8	2700.2	2711.6	2722.9
15°	2643.3	2647.1	2666.1	2681.2	2696.4
17.5°	2590.2	2597.8	2620.5	2643.3	2658.5
20°	2533.3	2544.7	2571.2	2601.6	2620.5
22.5°	2468.8	2484.0	2514.4	2552.3	2571.2
25°	2396.8	2412.0	2449.9	2491.6	2518.1
27.5°	2320.9	2339.9	2381.6	2430.9	2461.3
30°	2241.3	2260.3	2309.6	2362.7	2393.0
32.5°	2154.1	2176.8	2229.9	2290.6	2320.9
35°	2074.4	2089.6	2146.5	2211.0	2241.3
37.5°	1983.4	2002.4	2055.5	2123.7	2157.9
40°	1884.8	1903.8	1964.5	2032.7	2070.6
42.5°	1790.0	1805.2	1865.9	1941.7	1975.8
45°	1691.4	1706.6	1767.3	1843.1	1877.2
47.5°	1589.0	1608.0	1664.9	1736.9	1771.0
50°	1486.6	1501.8	1558.7	1626.9	1661.1
52.5°	1380.4	1395.6	1448.7	1517.0	1551.1
55°	1274.2	1293.2	1338.7	1403.2	1433.5
57.5°	1168.1	1187.0	1228.7	1289.4	1316.0
60°	1061.9	1077.0	1118.8	1171.8	1198.4
62.5°	948.1	959.5	1001.2	1054.3	1077.0
65°	838.1	853.3	887.4	925.3	948.1
67.5°	735.7	743.3	773.6	815.4	830.5
70°	629.5	637.1	663.7	697.8	709.2
72.5°	523.4	534.7	553.7	584.0	599.2
75°	424.7	432.3	447.5	470.3	485.4
77.5°	329.9	333.7	345.1	364.1	375.4
80°	238.9	242.7	250.3	265.5	273.1
82.5°	159.3	163.1	166.9	174.5	182.0
85°	91.0	91.0	91.0	98.6	102.4
87.5°	34.1	30.3	30.3	30.3	30.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)