

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: P383949

Luminaire Tested: **22ID-25-L850-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383949  
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: 22ID-25-L850-CFR2  
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

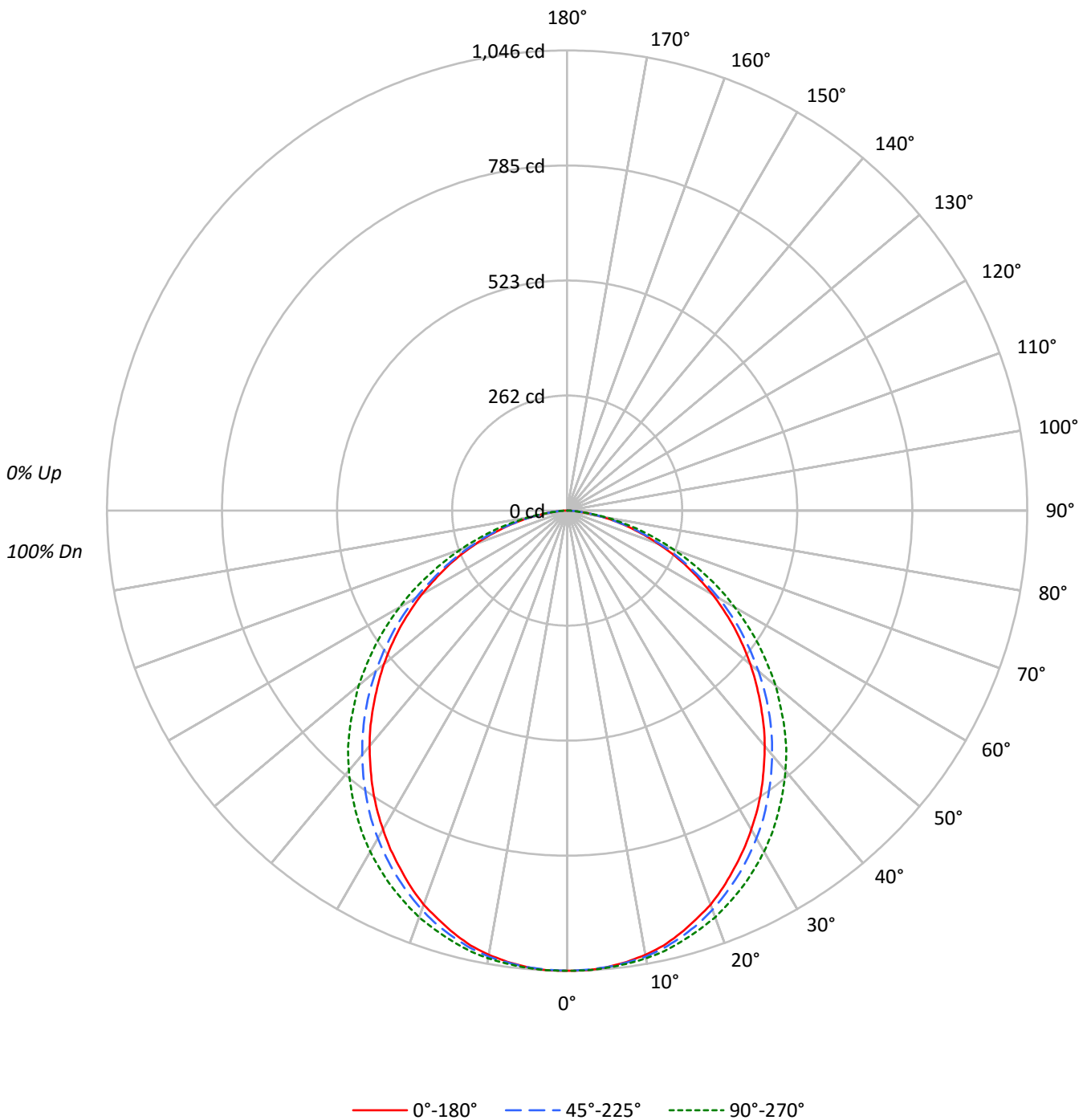
Lumens per Lamp: N/A  
Luminaire Lumens: 2761.2 lumens  
Efficiency: N/A  
Efficacy: 133.4 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.7  
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°	2815	2815	2815
5°	2814	2814	2818
10°	2801	2813	2824
15°	2771	2795	2822
20°	2730	2765	2817
25°	2666	2724	2802
30°	2601	2674	2782
35°	2531	2614	2750
40°	2454	2547	2712
45°	2364	2469	2659
50°	2276	2375	2589
55°	2175	2272	2493
60°	2055	2145	2368
65°	1911	1973	2211
70°	1731	1796	2024
75°	1511	1568	1770
80°	1223	1243	1393
85°	726	812	682



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.0	3.6
10°-20°	283.0	10.2
20°-30°	423.4	15.3
30°-40°	500.2	18.1
40°-50°	504.7	18.3
50°-60°	438.3	15.9
60°-70°	314.3	11.4
70°-80°	163.7	5.9
80°-90°	34.6	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°	805.4	29.2
0°-40°	1305.6	47.3
0°-60°	2248.6	81.4
0°-90°	2761.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2761.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1046	1046	1046	1046	1046	
5°	1042	1040	1042	1042	1043	99
15°	995	996	1003	1010	1013	280
25°	898	904	917	935	944	414
35°	771	776	796	825	837	482
45°	621	628	649	682	699	480
55°	464	468	484	516	531	414
65°	300	299	310	333	347	297
75°	145	144	151	162	170	155
85°	24	26	26	24	22	34
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1046.0	1046.0	1046.0	1046.0	1046.0
2.5°	1046.0	1044.6	1044.6	1044.6	1046.0
5°	1041.8	1040.4	1041.8	1041.8	1043.2
7.5°	1034.9	1033.5	1036.3	1037.7	1039.1
10°	1025.2	1025.2	1029.4	1032.1	1033.5
12.5°	1012.8	1012.8	1018.3	1022.5	1025.2
15°	994.8	996.2	1003.1	1010.0	1012.8
17.5°	974.0	978.2	986.5	996.2	998.9
20°	953.3	956.0	965.7	978.2	983.7
22.5°	927.0	931.1	942.2	958.8	964.3
25°	897.9	903.5	917.3	935.3	943.6
27.5°	868.9	873.0	889.6	910.4	920.1
30°	837.1	842.6	860.6	884.1	895.2
32.5°	805.2	809.4	830.1	855.0	867.5
35°	770.6	776.2	795.6	824.6	837.1
37.5°	734.7	741.6	761.0	791.4	805.2
40°	698.7	702.9	725.0	755.4	772.0
42.5°	661.3	666.9	687.6	720.8	737.4
45°	621.2	628.1	648.9	682.1	698.7
47.5°	582.5	589.4	608.8	642.0	657.2
50°	543.7	547.9	567.3	600.5	618.5
52.5°	503.6	507.8	525.8	557.6	574.2
55°	463.5	467.6	484.2	516.1	531.3
57.5°	422.0	424.8	441.4	470.4	485.6
60°	381.9	383.2	398.5	424.8	440.0
62.5°	339.0	340.4	351.4	381.9	395.7
65°	300.2	298.9	309.9	333.4	347.3
67.5°	260.1	260.1	269.8	290.5	301.6
70°	220.0	220.0	228.3	246.3	257.3
72.5°	182.6	182.6	189.5	203.4	211.7
75°	145.3	143.9	150.8	161.9	170.2
77.5°	110.7	110.7	113.5	123.1	128.7
80°	78.9	78.9	80.2	85.8	89.9
82.5°	49.8	49.8	49.8	52.6	54.0
85°	23.5	26.3	26.3	23.5	22.1
87.5°	11.1	11.1	9.7	9.7	9.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)