

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: P383993

Luminaire Tested: **22ID-80-L850-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383993  
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-80-L850-CFR2  
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

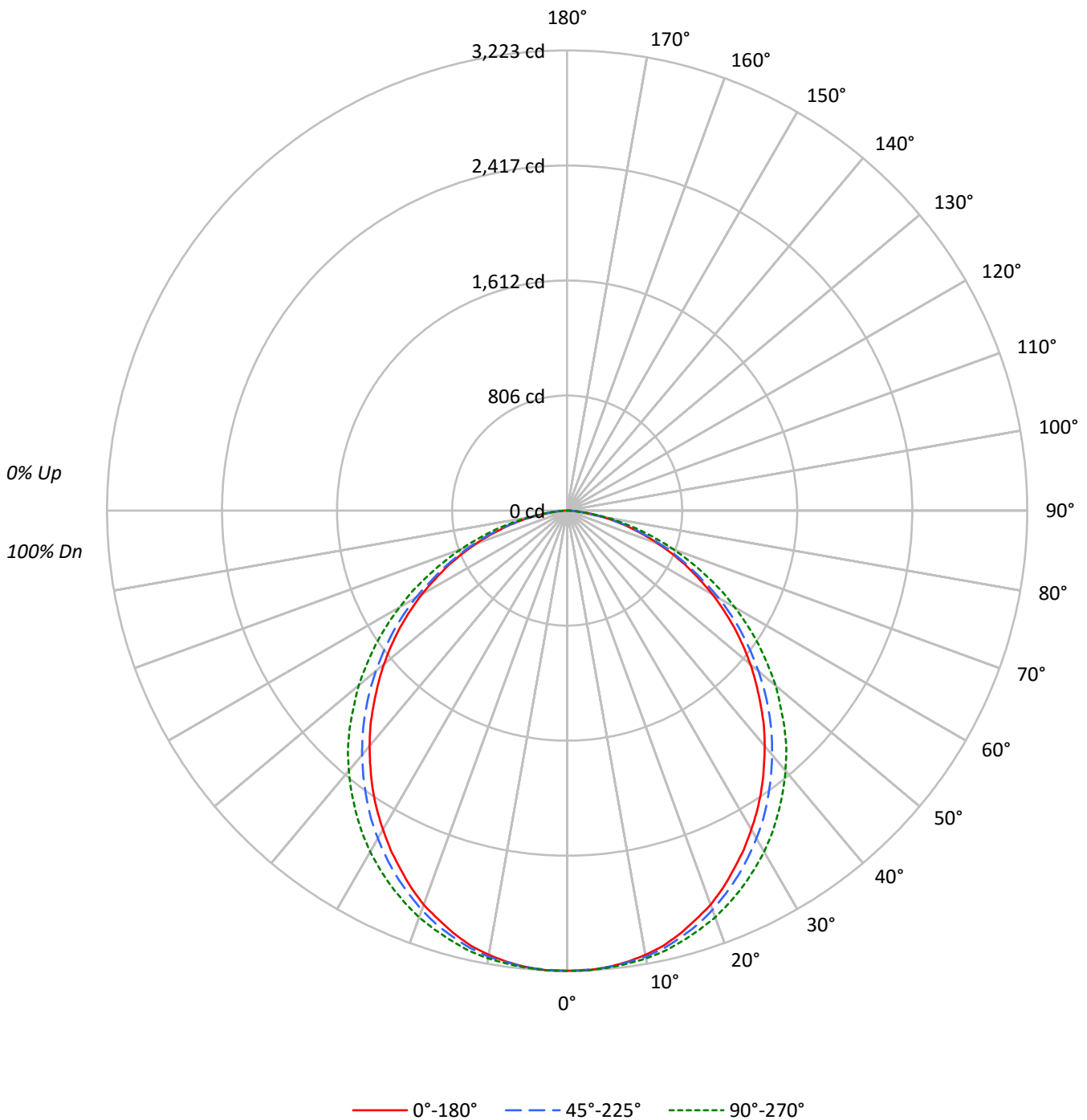
Lumens per Lamp: N/A  
Luminaire Lumens: 8509.3 lumens  
Efficiency: N/A  
Efficacy: 118.5 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 71.8  
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	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°	8674	8674	8674
5°	8673	8673	8684
10°	8633	8668	8703
15°	8541	8612	8695
20°	8413	8523	8682
25°	8216	8394	8634
30°	8016	8241	8572
35°	7802	8054	8474
40°	7564	7848	8358
45°	7285	7610	8194
50°	7015	7319	7979
55°	6701	7001	7682
60°	6333	6609	7297
65°	5891	6082	6814
70°	5334	5535	6240
75°	4655	4833	5452
80°	3766	3832	4294
85°	2238	2501	2106



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	305.2	3.6
10°-20°	872.2	10.2
20°-30°	1304.7	15.3
30°-40°	1541.4	18.1
40°-50°	1555.4	18.3
50°-60°	1350.8	15.9
60°-70°	968.6	11.4
70°-80°	504.6	5.9
80°-90°	106.5	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°	2482.0	29.2
0°-40°	4023.4	47.3
0°-60°	6929.6	81.4
0°-90°	8509.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8509.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3223	3223	3223	3223	3223	
5°	3211	3206	3211	3211	3215	305
15°	3066	3070	3091	3113	3121	864
25°	2767	2784	2827	2882	2908	1275
35°	2375	2392	2452	2541	2580	1485
45°	1914	1936	2000	2102	2153	1478
55°	1428	1441	1492	1590	1637	1276
65°	925	921	955	1028	1070	915
75°	448	443	465	499	524	478
85°	72	81	81	72	68	104
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3223.4	3223.4	3223.4	3223.4	3223.4
2.5°	3223.4	3219.2	3219.2	3219.2	3223.4
5°	3210.6	3206.4	3210.6	3210.6	3214.9
7.5°	3189.3	3185.1	3193.6	3197.9	3202.1
10°	3159.5	3159.5	3172.3	3180.8	3185.1
12.5°	3121.1	3121.1	3138.2	3151.0	3159.5
15°	3065.7	3069.9	3091.3	3112.6	3121.1
17.5°	3001.7	3014.5	3040.1	3069.9	3078.5
20°	2937.8	2946.3	2976.1	3014.5	3031.6
22.5°	2856.7	2869.5	2903.6	2954.8	2971.9
25°	2767.2	2784.3	2826.9	2882.3	2907.9
27.5°	2677.7	2690.5	2741.6	2805.6	2835.4
30°	2579.6	2596.7	2652.1	2724.6	2758.7
32.5°	2481.5	2494.3	2558.3	2635.0	2673.4
35°	2374.9	2392.0	2451.7	2541.2	2579.6
37.5°	2264.1	2285.4	2345.1	2438.9	2481.5
40°	2153.2	2166.0	2234.2	2328.0	2379.2
42.5°	2038.1	2055.2	2119.1	2221.4	2272.6
45°	1914.4	1935.8	1999.7	2102.1	2153.2
47.5°	1795.1	1816.4	1876.1	1978.4	2025.3
50°	1675.7	1688.5	1748.2	1850.5	1905.9
52.5°	1552.0	1564.8	1620.2	1718.3	1769.5
55°	1428.4	1441.2	1492.3	1590.4	1637.3
57.5°	1300.5	1309.0	1360.2	1449.7	1496.6
60°	1176.8	1181.1	1228.0	1309.0	1355.9
62.5°	1044.6	1048.9	1083.0	1176.8	1219.4
65°	925.2	921.0	955.1	1027.6	1070.2
67.5°	801.6	801.6	831.4	895.4	929.5
70°	677.9	677.9	703.5	759.0	793.1
72.5°	562.8	562.8	584.1	626.8	652.4
75°	447.7	443.4	464.8	498.9	524.4
77.5°	341.1	341.1	349.6	379.5	396.5
80°	243.0	243.0	247.3	264.4	277.1
82.5°	153.5	153.5	153.5	162.0	166.3
85°	72.5	81.0	81.0	72.5	68.2
87.5°	34.1	34.1	29.8	29.8	29.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)