

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: P383814

Luminaire Tested: **22ID-70-L830-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383814  
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-L830-CFR1  
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

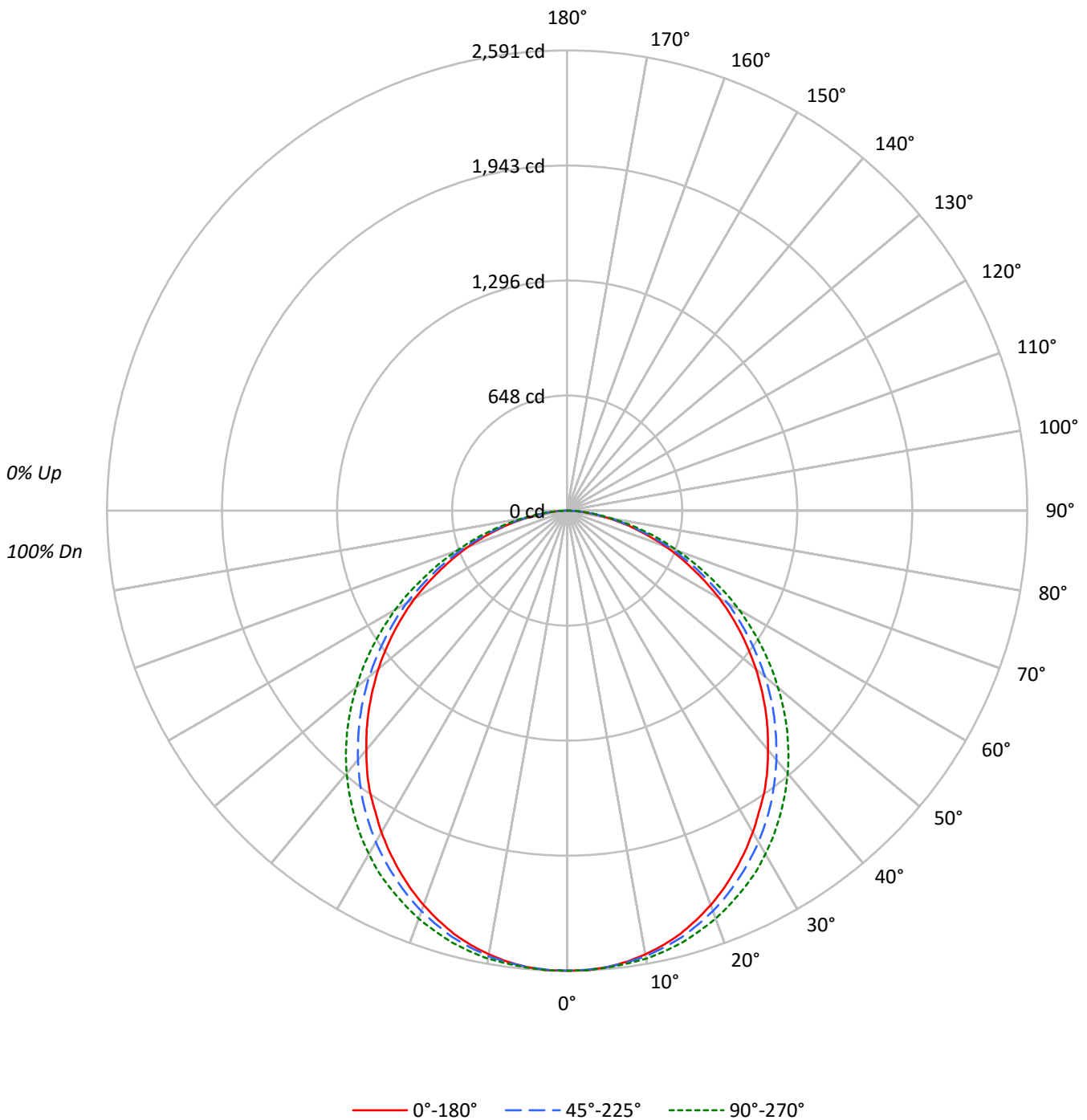
Lumens per Lamp: N/A  
Luminaire Lumens: 7035.7 lumens  
Efficiency: N/A  
Efficacy: 115.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 61.1  
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°	6971	6971	6971
5°	6969	6969	6979
10°	6934	6963	7001
15°	6872	6931	7010
20°	6770	6871	7003
25°	6641	6788	6977
30°	6499	6697	6939
35°	6360	6580	6871
40°	6179	6440	6788
45°	6007	6276	6667
50°	5808	6090	6489
55°	5579	5861	6276
60°	5333	5619	6019
65°	4980	5273	5634
70°	4622	4873	5207
75°	4121	4342	4710
80°	3456	3620	3949
85°	2621	2621	2952



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	245.2	3.5
10°-20°	701.6	10.0
20°-30°	1054.9	15.0
30°-40°	1254.9	17.8
40°-50°	1276.9	18.1
50°-60°	1123.7	16.0
60°-70°	824.3	11.7
70°-80°	447.4	6.4
80°-90°	106.8	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°	2001.6	28.4
0°-40°	3256.5	46.3
0°-60°	5657.2	80.4
0°-90°	7035.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7035.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2591	2591	2591	2591	2591	
5°	2580	2576	2580	2580	2584	245
15°	2467	2470	2488	2502	2516	695
25°	2237	2251	2286	2325	2350	1030
35°	1936	1950	2003	2063	2092	1209
45°	1578	1593	1649	1720	1752	1217
55°	1189	1207	1249	1310	1338	1063
65°	782	796	828	864	885	777
75°	396	404	418	439	453	421
85°	85	85	85	92	96	103
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2590.6	2590.6	2590.6	2590.6	2590.6
2.5°	2590.6	2587.1	2587.1	2587.1	2590.6
5°	2580.0	2576.4	2580.0	2580.0	2583.5
7.5°	2562.3	2558.8	2565.8	2569.4	2572.9
10°	2537.5	2537.5	2548.1	2555.2	2562.3
12.5°	2505.7	2509.2	2519.8	2530.4	2541.1
15°	2466.7	2470.3	2488.0	2502.1	2516.3
17.5°	2417.2	2424.3	2445.5	2466.7	2480.9
20°	2364.1	2374.7	2399.5	2427.8	2445.5
22.5°	2303.9	2318.1	2346.4	2381.8	2399.5
25°	2236.7	2250.9	2286.2	2325.2	2349.9
27.5°	2165.9	2183.6	2222.5	2268.5	2296.9
30°	2091.6	2109.3	2155.3	2204.8	2233.2
32.5°	2010.2	2031.4	2081.0	2137.6	2165.9
35°	1935.9	1950.0	2003.1	2063.3	2091.6
37.5°	1850.9	1868.6	1918.2	1981.9	2013.7
40°	1758.9	1776.6	1833.2	1896.9	1932.3
42.5°	1670.4	1684.6	1741.2	1812.0	1843.9
45°	1578.4	1592.6	1649.2	1720.0	1751.8
47.5°	1482.9	1500.6	1553.7	1620.9	1652.7
50°	1387.3	1401.5	1454.6	1518.3	1550.1
52.5°	1288.2	1302.4	1351.9	1415.6	1447.5
55°	1189.1	1206.8	1249.3	1309.5	1337.8
57.5°	1090.0	1107.7	1146.7	1203.3	1228.1
60°	990.9	1005.1	1044.0	1093.6	1118.3
62.5°	884.8	895.4	934.3	983.9	1005.1
65°	782.1	796.3	828.1	863.5	884.8
67.5°	686.6	693.7	722.0	760.9	775.1
70°	587.5	594.6	619.3	651.2	661.8
72.5°	488.4	499.0	516.7	545.0	559.2
75°	396.4	403.5	417.6	438.8	453.0
77.5°	307.9	311.4	322.1	339.8	350.4
80°	223.0	226.5	233.6	247.7	254.8
82.5°	148.6	152.2	155.7	162.8	169.9
85°	84.9	84.9	84.9	92.0	95.6
87.5°	31.9	28.3	28.3	28.3	28.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)