

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: P383758

Luminaire Tested: **14ID-70-L830-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383758  
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: 14ID-70-L830-CFR1  
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

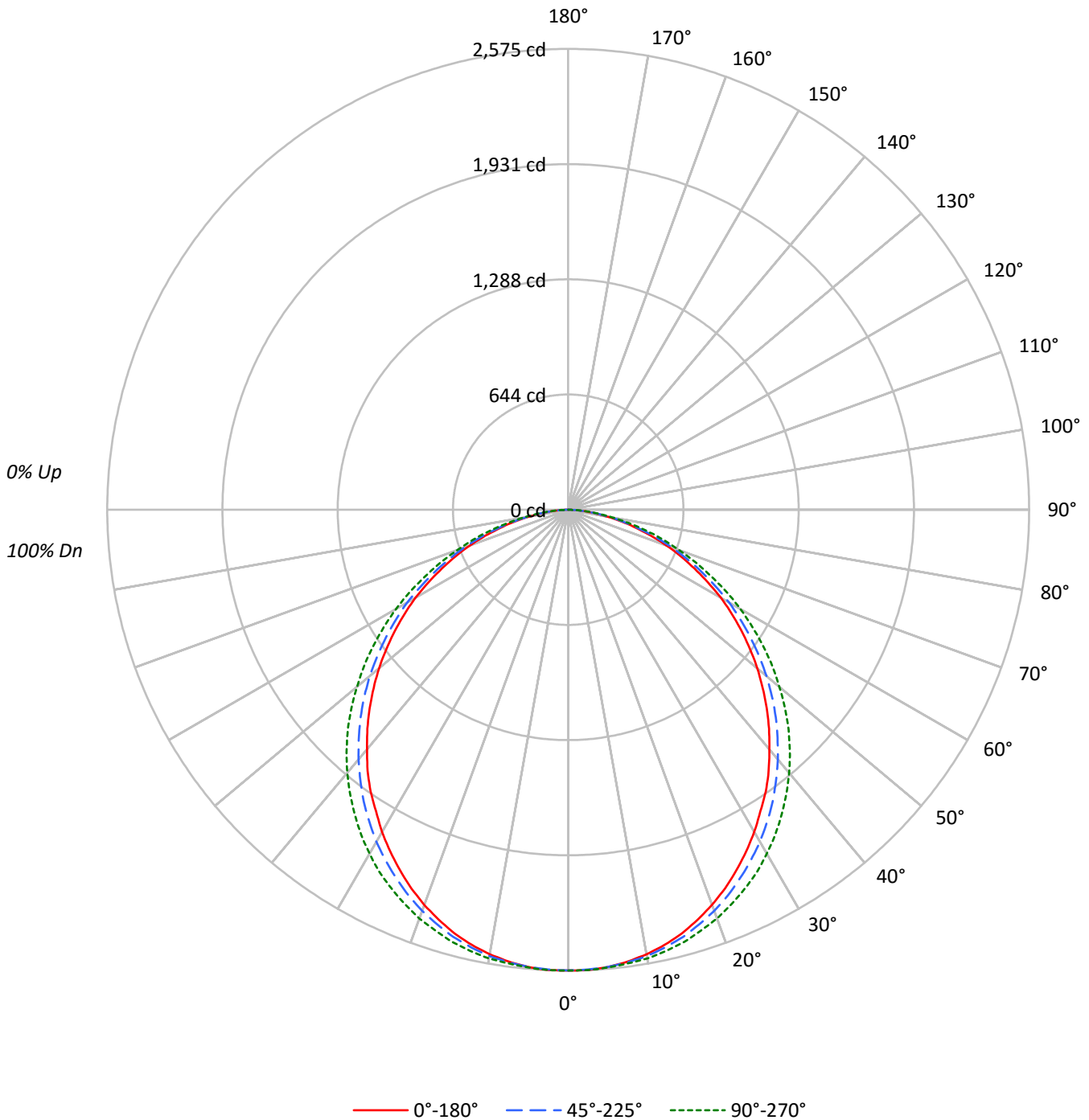
Lumens per Lamp: N/A  
Luminaire Lumens: 6993.0 lumens  
Efficiency: N/A  
Efficacy: 106.6 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 65.6  
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°	6929	6929	6929
5°	6927	6927	6936
10°	6892	6921	6959
15°	6830	6889	6968
20°	6729	6830	6961
25°	6601	6747	6935
30°	6460	6656	6897
35°	6321	6541	6829
40°	6141	6401	6747
45°	5970	6238	6626
50°	5773	6052	6450
55°	5545	5826	6238
60°	5301	5585	5983
65°	4950	5241	5599
70°	4594	4843	5176
75°	4096	4316	4682
80°	3434	3598	3925
85°	2606	2606	2933



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	243.7	3.5
10°-20°	697.3	10.0
20°-30°	1048.5	15.0
30°-40°	1247.3	17.8
40°-50°	1269.1	18.1
50°-60°	1116.9	16.0
60°-70°	819.3	11.7
70°-80°	444.7	6.4
80°-90°	106.1	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°	1989.5	28.4
0°-40°	3236.8	46.3
0°-60°	5622.8	80.4
0°-90°	6993.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6993.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2575	2575	2575	2575	2575	
5°	2564	2561	2564	2564	2568	243
15°	2452	2455	2473	2487	2501	691
25°	2223	2237	2272	2311	2336	1024
35°	1924	1938	1991	2051	2079	1201
45°	1569	1583	1639	1710	1741	1209
55°	1182	1200	1242	1302	1330	1057
65°	777	792	823	858	879	773
75°	394	401	415	436	450	419
85°	84	84	84	92	95	102
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2574.9	2574.9	2574.9	2574.9	2574.9
2.5°	2574.9	2571.4	2571.4	2571.4	2574.9
5°	2564.3	2560.8	2564.3	2564.3	2567.8
7.5°	2546.7	2543.2	2550.3	2553.8	2557.3
10°	2522.1	2522.1	2532.7	2539.7	2546.7
12.5°	2490.5	2494.0	2504.5	2515.1	2525.6
15°	2451.8	2455.3	2472.9	2486.9	2501.0
17.5°	2402.5	2409.6	2430.7	2451.8	2465.8
20°	2349.8	2360.3	2384.9	2413.1	2430.7
22.5°	2290.0	2304.0	2332.2	2367.3	2384.9
25°	2223.1	2237.2	2272.4	2311.1	2335.7
27.5°	2152.8	2170.4	2209.1	2254.8	2282.9
30°	2078.9	2096.5	2142.2	2191.5	2219.6
32.5°	1998.0	2019.1	2068.3	2124.6	2152.8
35°	1924.1	1938.2	1991.0	2050.8	2078.9
37.5°	1839.7	1857.3	1906.5	1969.9	2001.5
40°	1748.2	1765.8	1822.1	1885.4	1920.6
42.5°	1660.3	1674.4	1730.7	1801.0	1832.7
45°	1568.8	1582.9	1639.2	1709.6	1741.2
47.5°	1473.9	1491.5	1544.2	1611.1	1642.7
50°	1378.9	1393.0	1445.7	1509.0	1540.7
52.5°	1280.4	1294.5	1343.7	1407.0	1438.7
55°	1181.9	1199.5	1241.7	1301.5	1329.7
57.5°	1083.4	1101.0	1139.7	1196.0	1220.6
60°	984.9	999.0	1037.7	1086.9	1111.6
62.5°	879.4	890.0	928.6	977.9	999.0
65°	777.4	791.5	823.1	858.3	879.4
67.5°	682.4	689.4	717.6	756.3	770.4
70°	583.9	591.0	615.6	647.2	657.8
72.5°	485.4	496.0	513.6	541.7	555.8
75°	394.0	401.0	415.1	436.2	450.3
77.5°	306.0	309.5	320.1	337.7	348.2
80°	221.6	225.1	232.2	246.2	253.3
82.5°	147.7	151.3	154.8	161.8	168.8
85°	84.4	84.4	84.4	91.5	95.0
87.5°	31.7	28.1	28.1	28.1	28.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)