

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: P383765

Luminaire Tested: **14ID-75-L850-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383765
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-75-L850-CFR1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

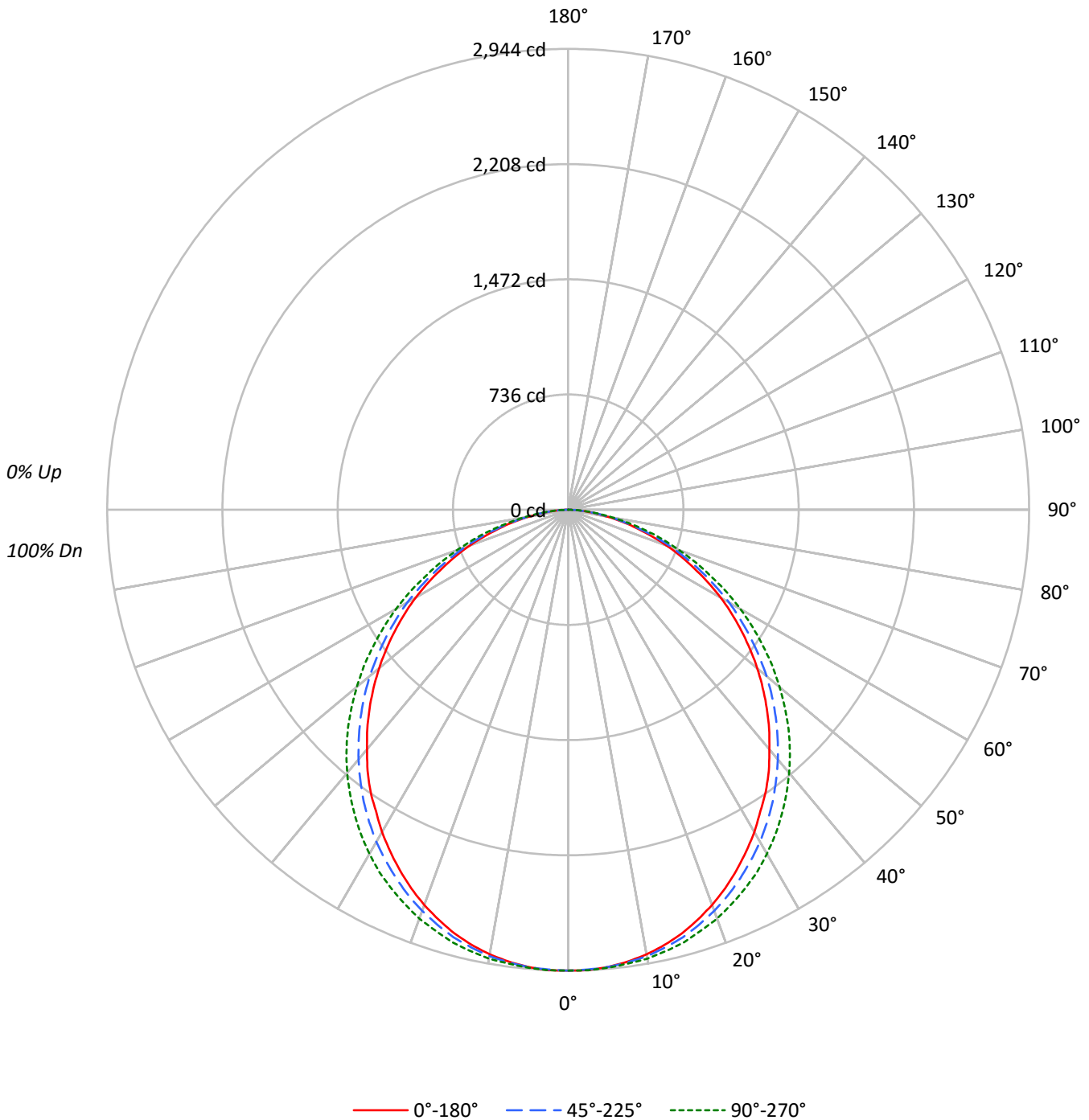
Lumens per Lamp: N/A
Luminaire Lumens: 7996.6 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 70.9
Input Voltage (V): NR
Input Current (A_{in}): 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°	7923	7923	7923
5°	7921	7921	7932
10°	7881	7914	7958
15°	7811	7878	7967
20°	7695	7810	7960
25°	7548	7715	7930
30°	7387	7612	7887
35°	7228	7479	7810
40°	7022	7319	7715
45°	6827	7133	7577
50°	6601	6921	7376
55°	6341	6662	7134
60°	6062	6386	6841
65°	5661	5993	6403
70°	5253	5538	5918
75°	4684	4934	5353
80°	3927	4114	4488
85°	2979	2979	3353



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.7	3.5
10°-20°	797.4	10.0
20°-30°	1199.0	15.0
30°-40°	1426.3	17.8
40°-50°	1451.3	18.1
50°-60°	1277.2	16.0
60°-70°	936.9	11.7
70°-80°	508.5	6.4
80°-90°	121.3	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°	2275.0	28.4
0°-40°	3701.3	46.3
0°-60°	6429.8	80.4
0°-90°	7996.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7996.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2944	2944	2944	2944	2944	
5°	2932	2928	2932	2932	2936	278
15°	2804	2808	2828	2844	2860	790
25°	2542	2558	2598	2643	2671	1171
35°	2200	2216	2277	2345	2377	1374
45°	1794	1810	1874	1955	1991	1383
55°	1352	1372	1420	1488	1520	1209
65°	889	905	941	982	1006	884
75°	450	459	475	499	515	479
85°	96	96	96	105	109	116
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2944.4	2944.4	2944.4	2944.4	2944.4
2.5°	2944.4	2940.4	2940.4	2940.4	2944.4
5°	2932.3	2928.3	2932.3	2932.3	2936.4
7.5°	2912.2	2908.2	2916.3	2920.3	2924.3
10°	2884.1	2884.1	2896.1	2904.2	2912.2
12.5°	2847.9	2851.9	2864.0	2876.0	2888.1
15°	2803.6	2807.7	2827.8	2843.9	2859.9
17.5°	2747.3	2755.4	2779.5	2803.6	2819.7
20°	2687.0	2699.0	2727.2	2759.4	2779.5
22.5°	2618.6	2634.7	2666.9	2707.1	2727.2
25°	2542.2	2558.3	2598.5	2642.7	2670.9
27.5°	2461.7	2481.8	2526.1	2578.4	2610.6
30°	2377.3	2397.4	2449.7	2506.0	2538.1
32.5°	2284.7	2308.9	2365.2	2429.5	2461.7
35°	2200.3	2216.4	2276.7	2345.1	2377.3
37.5°	2103.7	2123.8	2180.2	2252.6	2288.8
40°	1999.1	2019.3	2083.6	2156.0	2196.2
42.5°	1898.6	1914.7	1979.0	2059.5	2095.7
45°	1794.0	1810.1	1874.4	1954.9	1991.1
47.5°	1685.4	1705.5	1765.8	1842.3	1878.5
50°	1576.8	1592.9	1653.2	1725.6	1761.8
52.5°	1464.2	1480.3	1536.6	1609.0	1645.2
55°	1351.5	1371.6	1419.9	1488.3	1520.5
57.5°	1238.9	1259.0	1303.3	1367.6	1395.8
60°	1126.3	1142.4	1186.6	1242.9	1271.1
62.5°	1005.6	1017.7	1061.9	1118.2	1142.4
65°	889.0	905.0	941.2	981.5	1005.6
67.5°	780.4	788.4	820.6	864.8	880.9
70°	667.7	675.8	703.9	740.1	752.2
72.5°	555.1	567.2	587.3	619.5	635.5
75°	450.5	458.6	474.6	498.8	514.9
77.5°	350.0	354.0	366.0	386.2	398.2
80°	253.4	257.4	265.5	281.6	289.6
82.5°	168.9	173.0	177.0	185.0	193.1
85°	96.5	96.5	96.5	104.6	108.6
87.5°	36.2	32.2	32.2	32.2	32.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)