

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: P385277

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

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385277  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-75-L850-CNV  
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

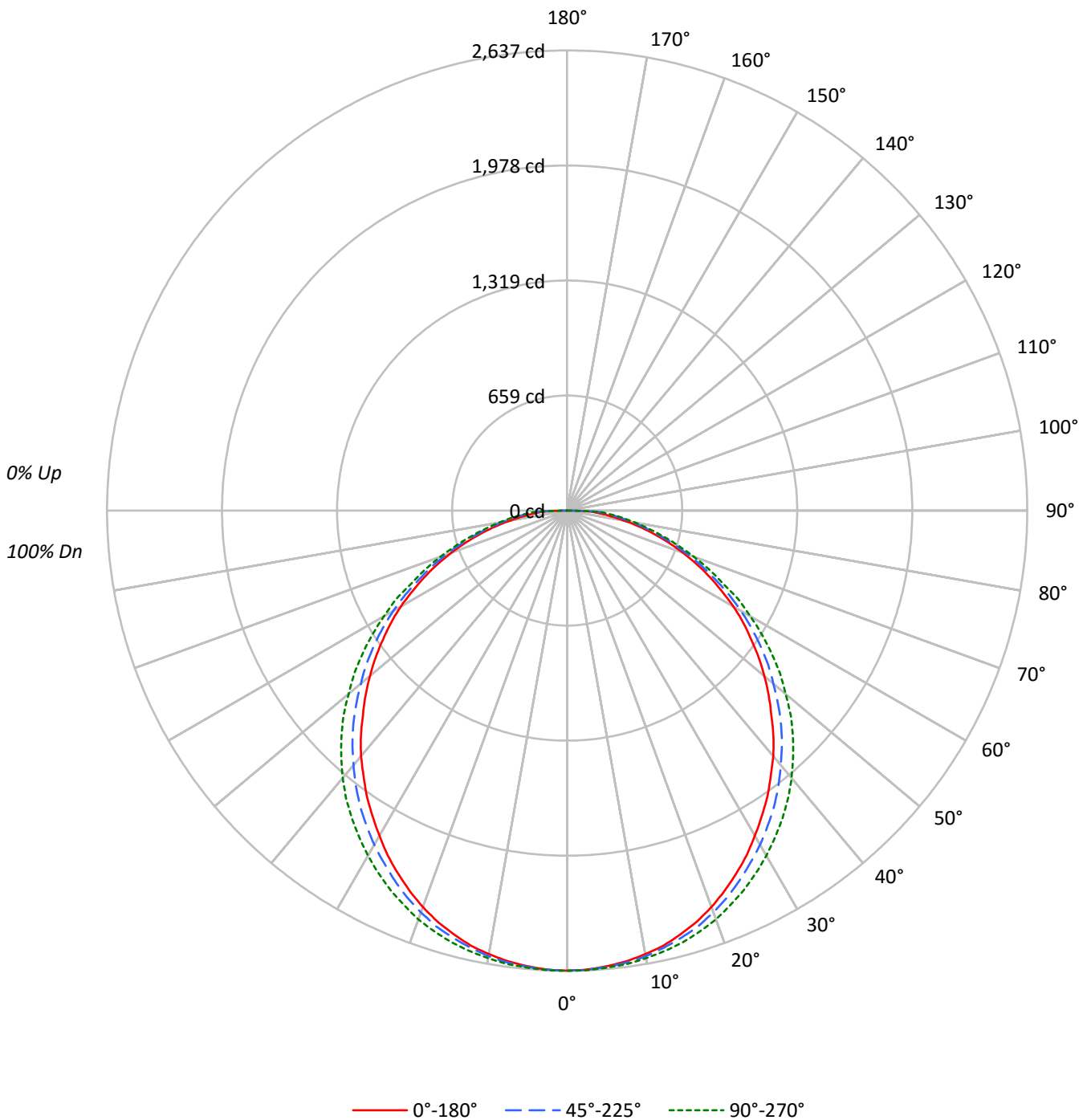
Lumens per Lamp: N/A  
Luminaire Lumens: 7647.4 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 70.9  
Input Voltage (V): NR  
Input Current (Ain): 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	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	7095	7095	7095
5°	7054	7000	6999
10°	7001	6906	6915
15°	6925	6790	6830
20°	6821	6658	6732
25°	6683	6497	6607
30°	6528	6332	6470
35°	6385	6158	6329
40°	6236	5955	6165
45°	6044	5751	5967
50°	5884	5495	5709
55°	5706	5241	5426
60°	5530	4928	5065
65°	5277	4541	4608
70°	4969	4121	4164
75°	4616	3655	3645
80°	4138	3156	3136
85°	3909	2745	2662



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	249.5	3.3
10°-20°	715.0	9.3
20°-30°	1078.9	14.1
30°-40°	1295.0	16.9
40°-50°	1340.2	17.5
50°-60°	1214.1	15.9
60°-70°	935.4	12.2
70°-80°	578.8	7.6
80°-90°	240.4	3.1
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°	2043.4	26.7
0°-40°	3338.4	43.7
0°-60°	5892.7	77.1
0°-90°	7647.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7647.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2637	2637	2637	2637	2637	
5°	2621	2621	2625	2625	2629	249
15°	2513	2517	2533	2549	2561	709
25°	2295	2303	2338	2378	2398	1057
35°	2000	2016	2068	2124	2152	1251
45°	1654	1678	1734	1798	1829	1279
55°	1288	1308	1352	1412	1432	1154
65°	903	911	938	978	982	893
75°	513	525	545	569	569	543
85°	187	207	239	254	250	202
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2636.7	2636.7	2636.7	2636.7	2636.7
2.5°	2632.7	2632.7	2632.7	2632.7	2636.7
5°	2620.8	2620.8	2624.7	2624.7	2628.7
7.5°	2604.9	2604.9	2612.8	2612.8	2620.8
10°	2581.0	2585.0	2592.9	2596.9	2604.9
12.5°	2553.2	2553.2	2565.1	2577.0	2585.0
15°	2513.4	2517.4	2533.3	2549.2	2561.1
17.5°	2469.6	2473.6	2497.5	2513.4	2529.3
20°	2417.9	2421.9	2449.8	2473.6	2493.5
22.5°	2358.3	2366.2	2398.1	2429.9	2445.8
25°	2294.7	2302.6	2338.4	2378.2	2398.1
27.5°	2227.1	2239.0	2274.8	2318.5	2342.4
30°	2151.5	2167.4	2211.1	2258.9	2282.7
32.5°	2075.9	2091.8	2139.6	2195.2	2219.1
35°	2000.4	2016.3	2068.0	2123.7	2151.5
37.5°	1916.9	1932.8	1988.4	2048.1	2079.9
40°	1837.3	1853.2	1904.9	1972.5	2000.4
42.5°	1749.8	1765.7	1821.4	1885.0	1916.9
45°	1654.4	1678.2	1733.9	1797.5	1829.4
47.5°	1566.9	1586.8	1638.5	1706.1	1737.9
50°	1475.4	1495.3	1543.0	1610.6	1634.5
52.5°	1384.0	1403.8	1451.6	1515.2	1539.1
55°	1288.5	1308.4	1352.1	1411.8	1431.7
57.5°	1197.0	1212.9	1252.7	1308.4	1324.3
60°	1101.6	1117.5	1149.3	1201.0	1212.9
62.5°	998.2	1010.1	1045.9	1093.6	1109.5
65°	902.8	910.7	938.5	978.3	982.3
67.5°	803.3	811.3	839.1	867.0	878.9
70°	703.9	715.8	735.7	763.6	771.5
72.5°	608.5	620.4	640.3	664.1	668.1
75°	513.0	524.9	544.8	568.7	568.7
77.5°	421.5	433.5	457.3	477.2	477.2
80°	330.1	350.0	373.8	393.7	393.7
82.5°	254.5	270.4	302.2	318.2	318.2
85°	186.9	206.8	238.6	254.5	250.5
87.5°	135.2	155.1	182.9	194.9	190.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)