

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: P385240

Luminaire Tested: **14ID-30-L840-CNV**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385240  
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-30-L840-CNV  
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

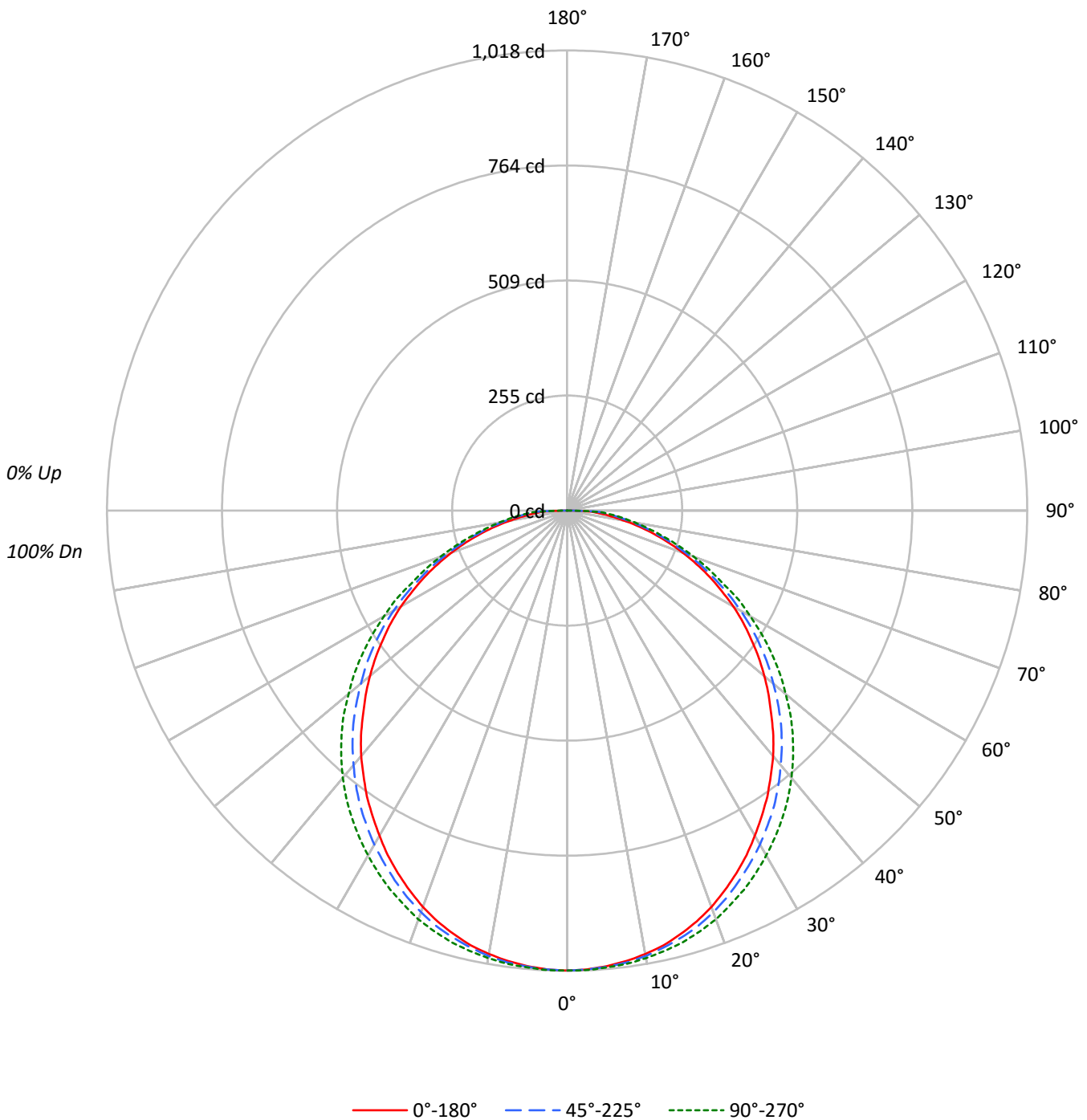
Lumens per Lamp: N/A  
Luminaire Lumens: 2951.2 lumens  
Efficiency: N/A  
Efficacy: 118.5 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 24.9  
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°	2738	2738	2738
5°	2722	2701	2701
10°	2702	2665	2668
15°	2672	2620	2636
20°	2632	2570	2598
25°	2579	2507	2550
30°	2519	2444	2497
35°	2464	2377	2443
40°	2406	2298	2379
45°	2332	2219	2303
50°	2271	2121	2203
55°	2202	2023	2094
60°	2134	1902	1955
65°	2036	1753	1778
70°	1917	1590	1607
75°	1782	1411	1407
80°	1597	1218	1210
85°	1508	1060	1028



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.3	3.3
10°-20°	275.9	9.3
20°-30°	416.4	14.1
30°-40°	499.8	16.9
40°-50°	517.2	17.5
50°-60°	468.6	15.9
60°-70°	361.0	12.2
70°-80°	223.4	7.6
80°-90°	92.8	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°	788.5	26.7
0°-40°	1288.3	43.7
0°-60°	2274.1	77.1
0°-90°	2951.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2951.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1018	1018	1018	1018	1018	
5°	1011	1011	1013	1013	1014	96
15°	970	972	978	984	988	274
25°	886	889	902	918	925	408
35°	772	778	798	820	830	483
45°	638	648	669	694	706	494
55°	497	505	522	545	552	445
65°	348	351	362	378	379	344
75°	198	203	210	220	220	210
85°	72	80	92	98	97	78
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1017.5	1017.5	1017.5	1017.5	1017.5
2.5°	1016.0	1016.0	1016.0	1016.0	1017.5
5°	1011.4	1011.4	1012.9	1012.9	1014.4
7.5°	1005.2	1005.2	1008.3	1008.3	1011.4
10°	996.0	997.6	1000.6	1002.2	1005.2
12.5°	985.3	985.3	989.9	994.5	997.6
15°	969.9	971.5	977.6	983.8	988.4
17.5°	953.1	954.6	963.8	969.9	976.1
20°	933.1	934.6	945.4	954.6	962.3
22.5°	910.1	913.2	925.4	937.7	943.8
25°	885.5	888.6	902.4	917.8	925.4
27.5°	859.4	864.0	877.9	894.7	903.9
30°	830.3	836.4	853.3	871.7	880.9
32.5°	801.1	807.3	825.7	847.2	856.4
35°	772.0	778.1	798.1	819.5	830.3
37.5°	739.7	745.9	767.4	790.4	802.7
40°	709.0	715.2	735.1	761.2	772.0
42.5°	675.3	681.4	702.9	727.5	739.7
45°	638.4	647.6	669.1	693.7	706.0
47.5°	604.7	612.4	632.3	658.4	670.7
50°	569.4	577.1	595.5	621.6	630.8
52.5°	534.1	541.8	560.2	584.7	593.9
55°	497.2	504.9	521.8	544.8	552.5
57.5°	461.9	468.1	483.4	504.9	511.1
60°	425.1	431.3	443.5	463.5	468.1
62.5°	385.2	389.8	403.6	422.0	428.2
65°	348.4	351.4	362.2	377.5	379.1
67.5°	310.0	313.1	323.8	334.6	339.2
70°	271.6	276.2	283.9	294.7	297.7
72.5°	234.8	239.4	247.1	256.3	257.8
75°	198.0	202.6	210.3	219.5	219.5
77.5°	162.7	167.3	176.5	184.2	184.2
80°	127.4	135.1	144.3	151.9	151.9
82.5°	98.2	104.4	116.6	122.8	122.8
85°	72.1	79.8	92.1	98.2	96.7
87.5°	52.2	59.9	70.6	75.2	73.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)