

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: P385336

Luminaire Tested: **22ID-80-L840-CNV**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385336  
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: 22ID-80-L840-CNV  
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

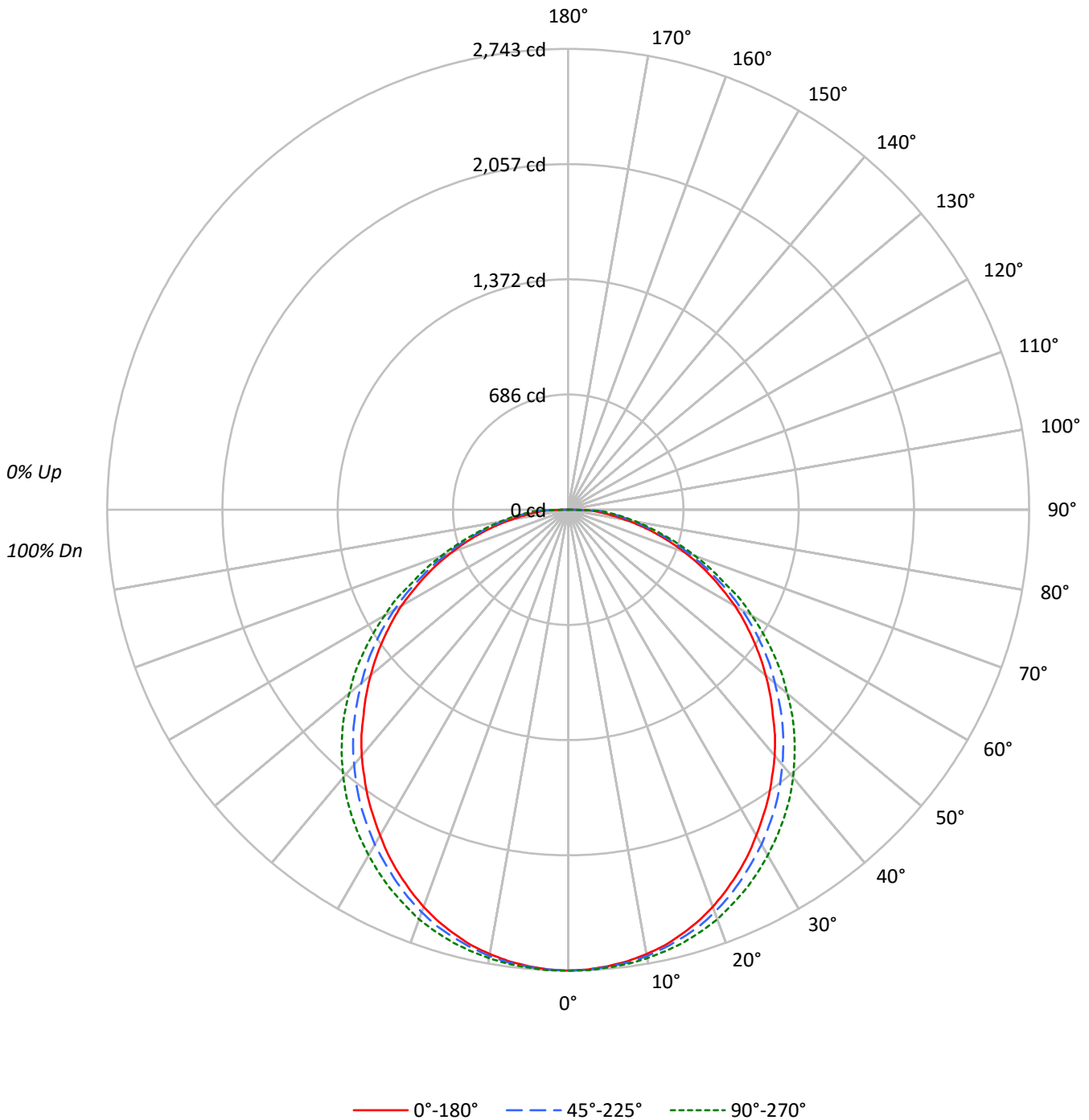
Lumens per Lamp: N/A  
Luminaire Lumens: 7956.9 lumens  
Efficiency: N/A  
Efficacy: 110.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 71.8  
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°	7382	7382	7382
5°	7312	7302	7335
10°	7232	7222	7299
15°	7126	7118	7262
20°	6992	6999	7211
25°	6824	6848	7131
30°	6637	6693	7041
35°	6460	6530	6949
40°	6277	6336	6833
45°	6047	6142	6686
50°	5846	5894	6476
55°	5621	5650	6245
60°	5391	5345	5935
65°	5074	4963	5521
70°	4689	4550	5139
75°	4233	4094	4693
80°	3614	3613	4310
85°	3076	3266	4122



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	259.6	3.3
10°-20°	743.9	9.3
20°-30°	1122.6	14.1
30°-40°	1347.4	16.9
40°-50°	1394.4	17.5
50°-60°	1263.3	15.9
60°-70°	973.3	12.2
70°-80°	602.2	7.6
80°-90°	250.1	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°	2126.0	26.7
0°-40°	3473.5	43.7
0°-60°	6131.2	77.1
0°-90°	7956.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7956.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2743	2743	2743	2743	2743	
5°	2727	2727	2731	2731	2735	259
15°	2615	2619	2636	2652	2665	738
25°	2388	2396	2433	2474	2495	1100
35°	2081	2098	2152	2210	2239	1301
45°	1721	1746	1804	1870	1903	1331
55°	1341	1361	1407	1469	1490	1200
65°	939	948	976	1018	1022	929
75°	534	546	567	592	592	565
85°	194	215	248	265	261	210
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2743.4	2743.4	2743.4	2743.4	2743.4
2.5°	2739.2	2739.2	2739.2	2739.2	2743.4
5°	2726.8	2726.8	2731.0	2731.0	2735.1
7.5°	2710.3	2710.3	2718.6	2718.6	2726.8
10°	2685.4	2689.6	2697.9	2702.0	2710.3
12.5°	2656.5	2656.5	2668.9	2681.3	2689.6
15°	2615.1	2619.2	2635.8	2652.3	2664.8
17.5°	2569.6	2573.7	2598.6	2615.1	2631.7
20°	2515.8	2519.9	2548.9	2573.7	2594.4
22.5°	2453.7	2462.0	2495.1	2528.2	2544.8
25°	2387.5	2395.8	2433.0	2474.4	2495.1
27.5°	2317.2	2329.6	2366.8	2412.4	2437.2
30°	2238.6	2255.1	2300.6	2350.3	2375.1
32.5°	2159.9	2176.5	2226.1	2284.1	2308.9
35°	2081.3	2097.9	2151.7	2209.6	2238.6
37.5°	1994.4	2011.0	2068.9	2131.0	2164.1
40°	1911.7	1928.2	1982.0	2052.4	2081.3
42.5°	1820.6	1837.2	1895.1	1961.3	1994.4
45°	1721.3	1746.2	1804.1	1870.3	1903.4
47.5°	1630.3	1651.0	1704.8	1775.1	1808.2
50°	1535.1	1555.8	1605.5	1675.8	1700.6
52.5°	1440.0	1460.7	1510.3	1576.5	1601.3
55°	1340.7	1361.3	1406.9	1468.9	1489.6
57.5°	1245.5	1262.0	1303.4	1361.3	1377.9
60°	1146.2	1162.7	1195.8	1249.6	1262.0
62.5°	1038.6	1051.0	1088.2	1137.9	1154.5
65°	939.3	947.6	976.5	1017.9	1022.0
67.5°	835.8	844.1	873.1	902.0	914.5
70°	732.4	744.8	765.5	794.5	802.7
72.5°	633.1	645.5	666.2	691.0	695.2
75°	533.8	546.2	566.9	591.7	591.7
77.5°	438.6	451.0	475.8	496.5	496.5
80°	343.4	364.1	389.0	409.6	409.6
82.5°	264.8	281.4	314.5	331.0	331.0
85°	194.5	215.2	248.3	264.8	260.7
87.5°	140.7	161.4	190.3	202.8	198.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)