

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: P385338

Luminaire Tested: **22ID-85-L830-CNV**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385338  
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-85-L830-CNV  
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

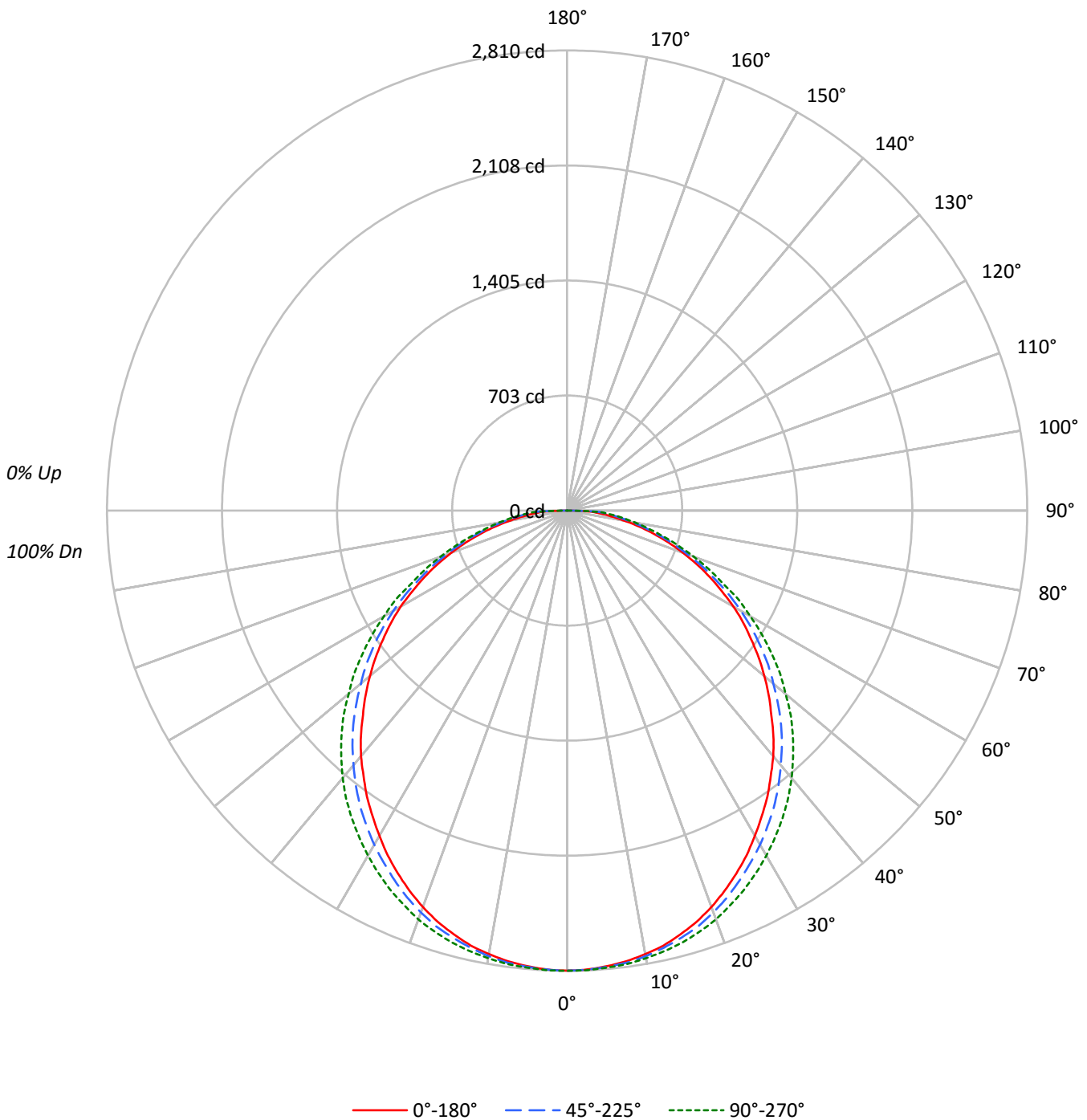
Lumens per Lamp: N/A  
Luminaire Lumens: 8149.6 lumens  
Efficiency: N/A  
Efficacy: 106.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 76.8  
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°	7561	7561	7561
5°	7490	7479	7512
10°	7407	7397	7475
15°	7299	7291	7437
20°	7162	7168	7385
25°	6989	7014	7304
30°	6797	6855	7212
35°	6617	6688	7117
40°	6429	6489	6999
45°	6193	6291	6848
50°	5988	6036	6633
55°	5757	5786	6397
60°	5521	5474	6079
65°	5197	5084	5655
70°	4802	4660	5264
75°	4336	4193	4806
80°	3702	3701	4416
85°	3150	3345	4222



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	265.9	3.3
10°-20°	761.9	9.3
20°-30°	1149.8	14.1
30°-40°	1380.1	16.9
40°-50°	1428.2	17.5
50°-60°	1293.9	15.9
60°-70°	996.9	12.2
70°-80°	616.8	7.6
80°-90°	256.2	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°	2177.5	26.7
0°-40°	3557.6	43.7
0°-60°	6279.7	77.1
0°-90°	8149.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8149.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2810	2810	2810	2810	2810	
5°	2793	2793	2797	2797	2801	265
15°	2678	2683	2700	2717	2729	755
25°	2445	2454	2492	2534	2556	1126
35°	2132	2149	2204	2263	2293	1333
45°	1763	1788	1848	1916	1950	1363
55°	1373	1394	1441	1504	1526	1229
65°	962	970	1000	1043	1047	951
75°	547	559	581	606	606	579
85°	199	220	254	271	267	215
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2809.8	2809.8	2809.8	2809.8	2809.8
2.5°	2805.6	2805.6	2805.6	2805.6	2809.8
5°	2792.9	2792.9	2797.1	2797.1	2801.3
7.5°	2775.9	2775.9	2784.4	2784.4	2792.9
10°	2750.5	2754.7	2763.2	2767.4	2775.9
12.5°	2720.8	2720.8	2733.5	2746.2	2754.7
15°	2678.4	2682.7	2699.6	2716.6	2729.3
17.5°	2631.8	2636.1	2661.5	2678.4	2695.4
20°	2576.7	2581.0	2610.6	2636.1	2657.2
22.5°	2513.2	2521.6	2555.5	2589.4	2606.4
25°	2445.3	2453.8	2492.0	2534.3	2555.5
27.5°	2373.3	2386.0	2424.2	2470.8	2496.2
30°	2292.8	2309.7	2356.3	2407.2	2432.6
32.5°	2212.3	2229.2	2280.1	2339.4	2364.8
35°	2131.7	2148.7	2203.8	2263.1	2292.8
37.5°	2042.7	2059.7	2119.0	2182.6	2216.5
40°	1958.0	1974.9	2030.0	2102.1	2131.7
42.5°	1864.7	1881.7	1941.0	2008.8	2042.7
45°	1763.0	1788.5	1847.8	1915.6	1949.5
47.5°	1669.8	1691.0	1746.1	1818.1	1852.0
50°	1572.3	1593.5	1644.4	1716.4	1741.8
52.5°	1474.8	1496.0	1546.9	1614.7	1640.1
55°	1373.1	1394.3	1440.9	1504.5	1525.7
57.5°	1275.6	1292.6	1335.0	1394.3	1411.3
60°	1173.9	1190.9	1224.8	1279.9	1292.6
62.5°	1063.7	1076.5	1114.6	1165.5	1182.4
65°	962.0	970.5	1000.2	1042.6	1046.8
67.5°	856.1	864.6	894.2	923.9	936.6
70°	750.1	762.8	784.0	813.7	822.2
72.5°	648.4	661.1	682.3	707.8	712.0
75°	546.7	559.4	580.6	606.0	606.0
77.5°	449.2	461.9	487.4	508.6	508.6
80°	351.8	372.9	398.4	419.6	419.6
82.5°	271.2	288.2	322.1	339.0	339.0
85°	199.2	220.4	254.3	271.2	267.0
87.5°	144.1	165.3	194.9	207.7	203.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)