

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: P385164

Luminaire Tested: **22ID-75-L840-CNC**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385164  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-72)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22ID-75-L840-CNC  
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

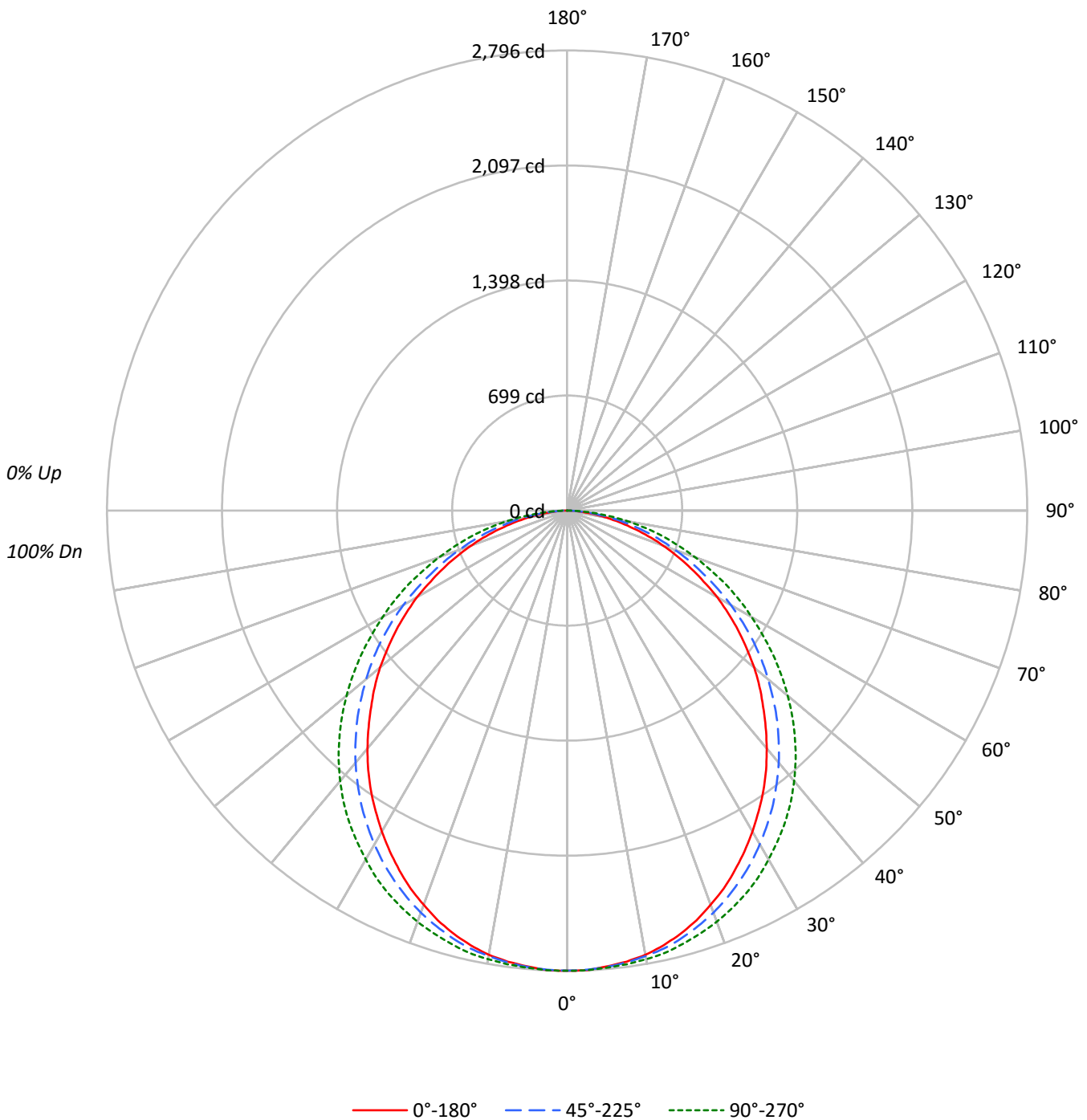
Lumens per Lamp: N/A  
Luminaire Lumens: 7762.2 lumens  
Efficiency: N/A  
Efficacy: 116.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 66.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	42	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

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

	0°	45°	90°
0°	7523	7523	7523
5°	7509	7520	7531
10°	7489	7511	7564
15°	7417	7494	7592
20°	7300	7445	7613
25°	7162	7371	7627
30°	6996	7276	7604
35°	6830	7164	7589
40°	6630	7028	7537
45°	6408	6869	7451
50°	6213	6671	7327
55°	5952	6466	7164
60°	5669	6196	6975
65°	5286	5834	6781
70°	4868	5484	6500
75°	4315	5088	6229
80°	3640	4551	5765
85°	2658	3504	4594



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	264.6	3.4
10°-20°	759.2	9.8
20°-30°	1145.0	14.8
30°-40°	1367.0	17.6
40°-50°	1397.1	18.0
50°-60°	1238.9	16.0
60°-70°	923.5	11.9
70°-80°	527.6	6.8
80°-90°	139.2	1.8
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°	2168.9	27.9
0°-40°	3535.9	45.6
0°-60°	6171.9	79.5
0°-90°	7762.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7762.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2796	2796	2796	2796	2796	
5°	2780	2780	2784	2784	2788	264
15°	2662	2670	2690	2713	2725	750
25°	2412	2432	2482	2537	2569	1111
35°	2079	2106	2181	2267	2310	1299
45°	1684	1719	1805	1903	1958	1301
55°	1269	1292	1378	1476	1527	1134
65°	830	850	916	1010	1065	823
75°	415	435	489	564	599	443
85°	86	90	114	141	149	108
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2795.7	2795.7	2795.7	2795.7	2795.7
2.5°	2795.7	2791.8	2791.8	2791.8	2795.7
5°	2780.0	2780.0	2783.9	2783.9	2787.8
7.5°	2764.3	2764.3	2768.3	2772.2	2780.0
10°	2740.9	2740.9	2748.7	2760.4	2768.3
12.5°	2705.6	2709.5	2725.2	2740.9	2752.6
15°	2662.5	2670.4	2690.0	2713.4	2725.2
17.5°	2611.6	2619.5	2646.9	2678.2	2693.9
20°	2549.0	2564.7	2599.9	2639.1	2658.6
22.5°	2486.3	2502.0	2545.1	2592.1	2615.6
25°	2412.0	2431.5	2482.4	2537.2	2568.6
27.5°	2333.6	2357.1	2415.9	2478.5	2513.8
30°	2251.4	2278.8	2341.5	2412.0	2447.2
32.5°	2165.3	2192.7	2263.2	2341.5	2380.6
35°	2079.1	2106.5	2180.9	2267.1	2310.2
37.5°	1985.2	2012.6	2090.9	2184.9	2231.8
40°	1887.3	1918.6	2000.8	2094.8	2145.7
42.5°	1785.5	1820.7	1902.9	2004.7	2055.6
45°	1683.7	1718.9	1805.0	1902.9	1957.8
47.5°	1585.8	1613.2	1699.3	1801.1	1856.0
50°	1484.0	1507.5	1593.6	1695.4	1750.2
52.5°	1374.3	1405.7	1487.9	1589.7	1640.6
55°	1268.6	1292.1	1378.3	1476.1	1527.0
57.5°	1159.0	1182.5	1264.7	1362.6	1409.6
60°	1053.3	1076.8	1151.2	1249.0	1296.0
62.5°	935.8	959.3	1033.7	1135.5	1182.5
65°	830.1	849.7	916.2	1010.2	1065.0
67.5°	724.4	743.9	806.6	896.7	939.7
70°	618.7	634.3	697.0	779.2	826.2
72.5°	516.8	532.5	595.2	669.6	708.7
75°	415.0	434.6	489.4	563.8	599.1
77.5°	321.1	340.6	387.6	454.2	485.5
80°	234.9	250.6	293.7	344.6	372.0
82.5°	156.6	168.4	199.7	242.8	262.3
85°	86.1	90.1	113.5	141.0	148.8
87.5°	35.2	35.2	43.1	47.0	50.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)