

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: P737977

Luminaire Tested: **14PT-70-PW1-L840**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737977  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-70-PW1-L840  
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

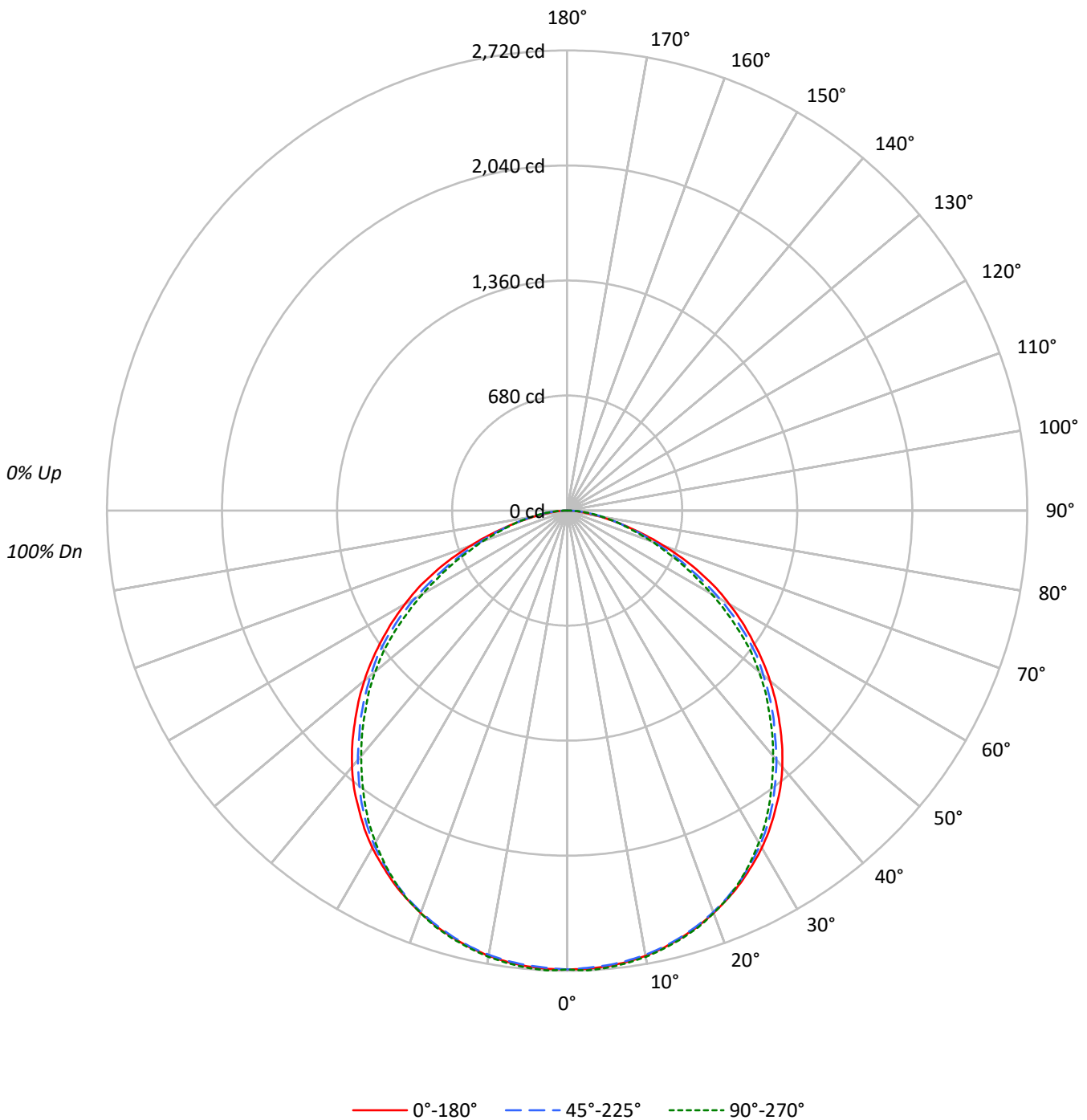
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7198.0 lumens  
Efficiency: N/A  
Efficacy: 114.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34  
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 62.7  
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

TEST NUMBER: P737977

CATALOG NUMBER: 14PT-70-PW1-L840

### 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	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

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

	0°	45°	90°
0°	8132	8132	8132
5°	8139	8121	8163
10°	8135	8117	8157
15°	8110	8098	8129
20°	8077	8058	8077
25°	8032	7999	7992
30°	7971	7901	7845
35°	7864	7746	7647
40°	7744	7532	7414
45°	7529	7307	7159
50°	7303	7064	6900
55°	6997	6761	6493
60°	6635	6243	5918
65°	6138	5575	5297
70°	5321	4854	4669
75°	4249	4156	4039
80°	3227	3608	3608
85°	2384	3075	3075



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	257.2	3.6
10°-20°	737.8	10.2
20°-30°	1115.0	15.5
30°-40°	1324.0	18.4
40°-50°	1333.9	18.5
50°-60°	1153.0	16.0
60°-70°	788.0	10.9
70°-80°	388.6	5.4
80°-90°	100.5	1.4
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°	2110.0	29.3
0°-40°	3434.0	47.7
0°-60°	5920.9	82.3
0°-90°	7198.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7198.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2712	2712	2712	2712	2712	
5°	2704	2705	2698	2709	2712	257
15°	2613	2616	2609	2618	2619	738
25°	2428	2426	2418	2420	2416	1119
35°	2149	2142	2116	2097	2089	1345
45°	1776	1757	1724	1703	1688	1371
55°	1339	1335	1293	1255	1242	1197
65°	865	834	786	752	747	854
75°	367	364	359	359	349	400
85°	69	81	89	92	89	85
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2712.4	2712.4	2712.4	2712.4	2712.4
2.5°	2711.4	2712.4	2705.4	2717.5	2720.5
5°	2704.4	2705.4	2698.4	2709.4	2712.4
7.5°	2691.3	2693.3	2685.3	2696.4	2698.4
10°	2672.2	2673.2	2666.2	2677.3	2679.3
12.5°	2646.1	2647.1	2641.1	2651.1	2651.1
15°	2612.9	2616.0	2608.9	2618.0	2619.0
17.5°	2575.8	2576.8	2569.7	2579.8	2581.8
20°	2531.5	2531.5	2525.5	2533.5	2531.5
22.5°	2482.3	2482.3	2475.3	2479.3	2481.3
25°	2428.0	2426.0	2418.0	2420.0	2416.0
27.5°	2365.7	2365.7	2351.6	2351.6	2344.6
30°	2302.4	2297.4	2282.3	2273.3	2266.2
32.5°	2230.0	2223.0	2203.9	2187.8	2182.8
35°	2148.6	2141.6	2116.5	2097.4	2089.3
37.5°	2070.3	2054.2	2021.0	2001.9	1992.9
40°	1978.8	1958.7	1924.5	1898.4	1894.4
42.5°	1880.3	1864.2	1820.0	1800.9	1795.9
45°	1775.8	1756.7	1723.5	1703.4	1688.4
47.5°	1673.3	1659.2	1621.0	1596.9	1591.9
50°	1565.8	1553.7	1514.5	1488.4	1479.3
52.5°	1454.2	1446.2	1413.0	1379.8	1368.8
55°	1338.6	1334.6	1293.4	1255.2	1242.2
57.5°	1225.1	1220.0	1168.8	1124.6	1112.5
60°	1106.5	1091.4	1041.2	1000.0	986.9
62.5°	993.9	961.8	907.5	875.3	860.3
65°	865.3	834.1	785.9	751.7	746.7
67.5°	738.7	701.5	664.3	643.2	627.1
70°	607.0	581.9	553.7	535.7	532.6
72.5°	484.4	466.3	452.2	441.2	432.1
75°	366.8	363.8	358.8	358.8	348.7
77.5°	269.3	276.4	280.4	279.4	281.4
80°	186.9	201.0	209.0	210.0	209.0
82.5°	118.6	134.7	147.7	149.7	151.8
85°	69.3	81.4	89.4	91.5	89.4
87.5°	31.2	39.2	41.2	43.2	41.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)