

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: P738225

Luminaire Tested: **22PT-50-PB1-L840**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738225  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-50-PB1-L840  
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -  
Ballast/Driver: -

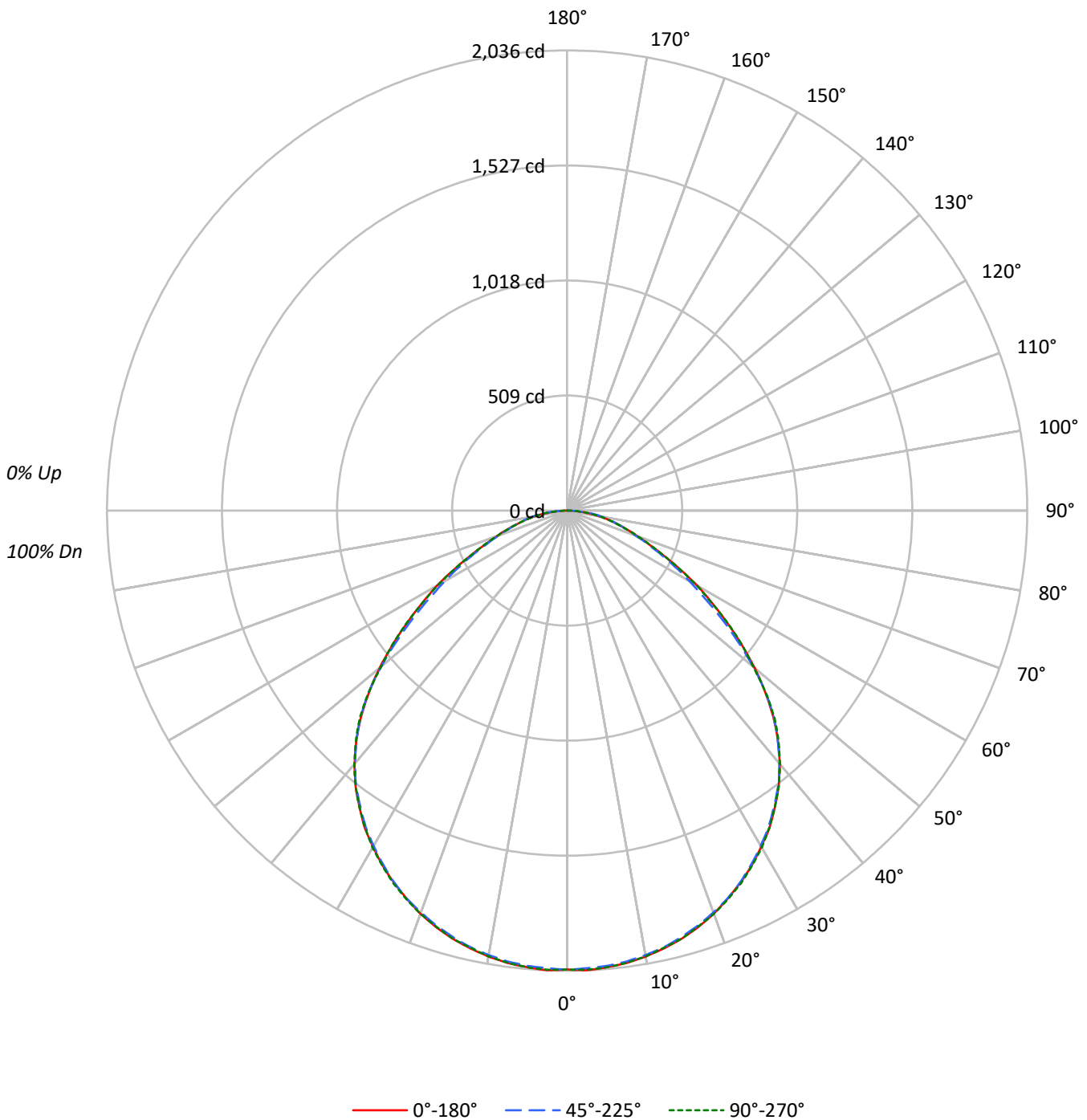
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5120.0 lumens  
Efficiency: N/A  
Efficacy: 130.3 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 39.3  
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	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					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86					86			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73					73			
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62					62			
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47					47			
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41					41			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37					37			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27					27			

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

	0°	45°	90°
0°	5950	5950	5950
5°	5965	5946	5965
10°	5961	5941	5958
15°	5947	5925	5945
20°	5918	5899	5920
25°	5869	5863	5882
30°	5809	5795	5826
35°	5731	5711	5731
40°	5598	5586	5604
45°	5346	5357	5377
50°	4937	4896	4903
55°	4411	4263	4428
60°	3894	3657	3870
65°	3262	3159	3262
70°	2829	2751	2843
75°	2579	2616	2579
80°	2423	2632	2438
85°	2108	2582	2165



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	192.6	3.8
10°-20°	552.2	10.8
20°-30°	836.1	16.3
30°-40°	1000.1	19.5
40°-50°	990.2	19.3
50°-60°	761.3	14.9
60°-70°	463.6	9.1
70°-80°	245.4	4.8
80°-90°	78.6	1.5
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°	1580.9	30.9
0°-40°	2581.0	50.4
0°-60°	4332.5	84.6
0°-90°	5120.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5120.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2031	2031	2031	2031	2031	
5°	2028	2027	2022	2025	2028	193
15°	1960	1957	1953	1957	1960	553
25°	1815	1814	1814	1816	1819	837
35°	1602	1601	1596	1602	1602	1001
45°	1290	1291	1293	1294	1298	990
55°	864	852	835	849	867	774
65°	470	459	456	455	470	476
75°	228	228	231	230	228	245
85°	63	72	77	73	64	72
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2030.7	2030.7	2030.7	2030.7	2030.7
2.5°	2035.7	2032.4	2026.6	2030.7	2033.2
5°	2028.2	2027.4	2021.6	2024.9	2028.2
7.5°	2019.1	2016.7	2012.5	2015.8	2018.3
10°	2003.5	2001.8	1996.9	2001.0	2002.6
12.5°	1983.7	1982.0	1978.7	1982.0	1981.2
15°	1960.5	1957.2	1953.1	1957.2	1959.7
17.5°	1931.6	1928.3	1925.0	1927.5	1929.2
20°	1897.8	1892.8	1892.0	1895.3	1898.6
22.5°	1857.4	1857.4	1856.5	1859.0	1860.7
25°	1815.3	1813.6	1813.6	1816.1	1819.4
27.5°	1769.9	1766.5	1764.9	1769.0	1771.5
30°	1717.0	1716.2	1712.9	1719.5	1722.0
32.5°	1665.8	1657.6	1659.2	1662.5	1663.4
35°	1602.3	1600.6	1596.5	1601.5	1602.3
37.5°	1537.9	1537.1	1534.6	1536.2	1537.1
40°	1463.6	1462.8	1460.3	1463.6	1465.2
42.5°	1381.0	1379.4	1379.4	1381.9	1384.3
45°	1290.2	1291.1	1292.7	1293.5	1297.7
47.5°	1188.7	1190.4	1192.0	1190.4	1191.2
50°	1083.0	1082.2	1074.0	1079.7	1075.6
52.5°	971.6	959.2	952.6	965.8	974.9
55°	863.5	851.9	834.6	849.4	866.8
57.5°	759.5	739.6	721.5	738.8	756.1
60°	664.5	634.0	624.1	634.8	660.4
62.5°	563.0	541.5	538.2	539.9	562.2
65°	470.5	459.0	455.7	454.8	470.5
67.5°	394.6	387.2	383.0	386.3	396.2
70°	330.2	326.9	321.1	326.9	331.8
72.5°	277.4	276.5	271.6	276.5	274.9
75°	227.8	227.8	231.1	229.5	227.8
77.5°	185.7	187.4	193.2	188.2	183.3
80°	143.6	147.8	156.0	148.6	144.5
82.5°	102.4	111.4	120.5	111.4	105.7
85°	62.7	71.8	76.8	72.6	64.4
87.5°	27.2	32.2	33.8	31.4	27.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)