

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: P738249

Luminaire Tested: **22PT-50-PP3-L840**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738249  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P412714)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-50-PP3-L840  
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source: -  
Ballast/Driver: -

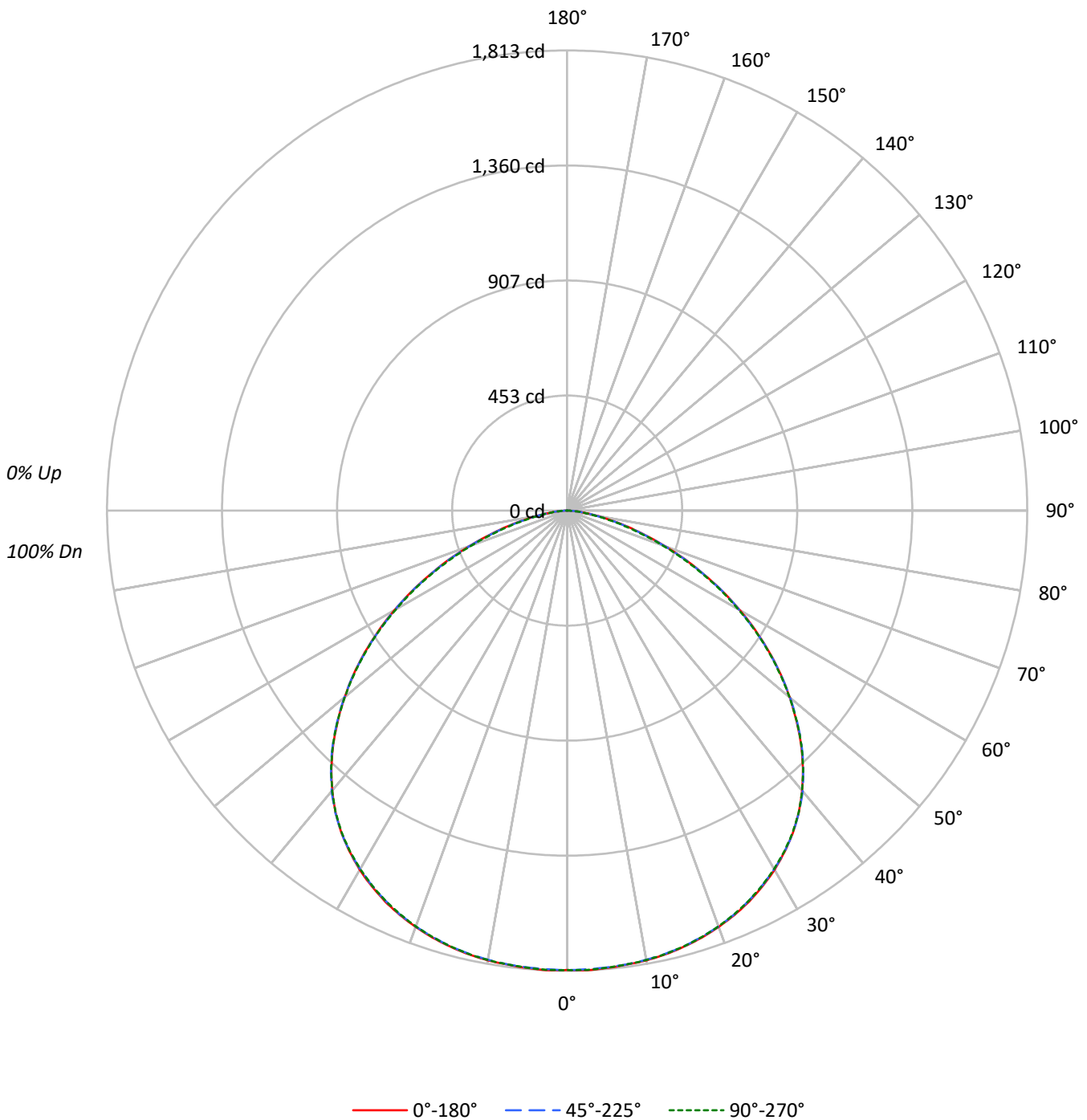
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5194.0 lumens  
Efficiency: N/A  
Efficacy: 132.2 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43  
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 (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: P738249  
CATALOG NUMBER: 22PT-50-PP3-L840

### Luminous Intensity Polar Plot





TEST NUMBER: P738249

CATALOG NUMBER: 22PT-50-PP3-L840

**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	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
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	70	62	56	68	61	55	66	60	55	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

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

	0°	45°	90°
0°	5304	5304	5304
5°	5321	5314	5317
10°	5354	5347	5350
15°	5396	5391	5391
20°	5443	5437	5436
25°	5492	5481	5481
30°	5530	5520	5518
35°	5546	5546	5539
40°	5509	5521	5509
45°	5401	5415	5408
50°	5219	5227	5213
55°	4968	4956	4946
60°	4613	4601	4566
65°	4120	4116	4069
70°	3522	3500	3423
75°	2805	2723	2641
80°	2000	1959	1856
85°	1301	1301	1261



TEST NUMBER: P738249

CATALOG NUMBER: 22PT-50-PP3-L840

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.2	3.3
10°-20°	502.2	9.7
20°-30°	782.0	15.1
30°-40°	967.8	18.6
40°-50°	1003.6	19.3
50°-60°	865.0	16.7
60°-70°	588.1	11.3
70°-80°	263.2	5.1
80°-90°	50.1	1.0
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°	1456.3	28.0
0°-40°	2424.1	46.7
0°-60°	4292.7	82.6
0°-90°	5194.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5194.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1810	1810	1810	1810	1810	
5°	1809	1806	1807	1806	1808	172
15°	1779	1776	1777	1776	1777	503
25°	1699	1696	1696	1695	1696	783
35°	1550	1549	1550	1548	1549	968
45°	1303	1302	1307	1304	1305	1003
55°	972	969	970	968	968	867
65°	594	599	594	592	587	590
75°	248	248	240	239	233	267
85°	39	40	39	38	38	51
90°	0	0	0	0	0	



TEST NUMBER: P738249

CATALOG NUMBER: 22PT-50-PP3-L840

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1810.3	1810.3	1810.3	1810.3	1810.3
2.5°	1812.8	1809.1	1809.1	1809.8	1811.6
5°	1809.1	1805.5	1806.7	1806.0	1807.9
7.5°	1804.4	1801.3	1803.2	1801.8	1803.2
10°	1799.4	1796.4	1797.1	1796.4	1798.3
12.5°	1791.0	1787.4	1788.6	1788.6	1789.3
15°	1778.9	1775.9	1777.1	1775.9	1777.1
17.5°	1764.3	1760.8	1761.5	1760.8	1762.0
20°	1745.7	1743.3	1743.8	1742.6	1743.3
22.5°	1724.5	1721.5	1722.1	1721.0	1721.0
25°	1698.6	1696.0	1695.5	1694.8	1695.5
27.5°	1668.2	1665.3	1665.3	1664.7	1664.7
30°	1634.5	1631.4	1631.4	1630.8	1630.8
32.5°	1594.5	1593.3	1594.0	1592.8	1592.1
35°	1550.4	1548.6	1550.4	1548.0	1548.6
37.5°	1499.1	1496.7	1500.2	1497.9	1498.4
40°	1440.4	1439.2	1443.4	1441.6	1440.4
42.5°	1375.1	1375.1	1377.0	1377.5	1376.3
45°	1303.3	1302.1	1306.8	1303.8	1305.0
47.5°	1225.8	1224.1	1227.7	1227.0	1226.5
50°	1144.9	1143.6	1146.6	1143.6	1143.6
52.5°	1060.8	1060.2	1060.8	1057.8	1057.1
55°	972.5	969.0	970.2	968.3	968.3
57.5°	880.6	876.4	877.1	876.4	877.1
60°	787.1	785.7	785.2	782.2	779.1
62.5°	691.0	692.1	691.5	687.2	684.2
65°	594.2	599.1	593.7	591.8	586.9
67.5°	503.0	504.7	501.1	496.9	491.4
70°	411.1	414.6	408.5	404.3	399.6
72.5°	323.4	325.8	320.4	318.0	311.9
75°	247.8	248.5	240.5	239.4	233.3
77.5°	176.5	178.8	172.9	172.9	166.8
80°	118.5	122.7	116.1	114.3	110.0
82.5°	74.4	74.9	73.1	71.4	69.5
85°	38.7	39.8	38.7	37.5	37.5
87.5°	14.6	15.1	14.6	13.9	14.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)