

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: P738250

Luminaire Tested: **22PT-50-PP3-L850**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738250  
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-L850  
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source: -  
Ballast/Driver: -

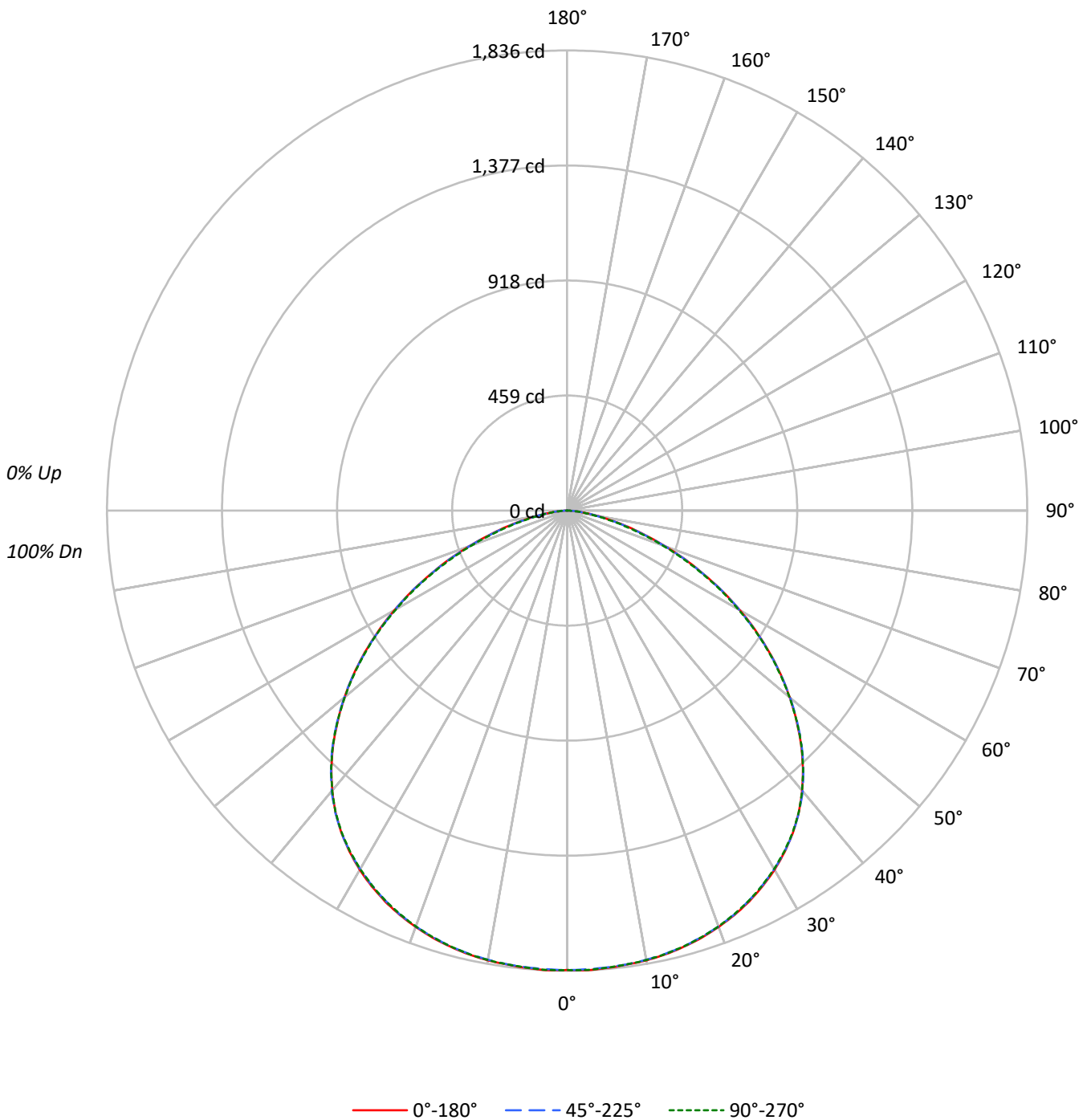
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5260.0 lumens  
Efficiency: N/A  
Efficacy: 133.8 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

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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	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°	5372	5372	5372
5°	5389	5382	5385
10°	5422	5415	5418
15°	5465	5459	5459
20°	5513	5507	5505
25°	5561	5551	5551
30°	5600	5590	5588
35°	5616	5616	5609
40°	5579	5591	5579
45°	5469	5484	5476
50°	5285	5293	5279
55°	5031	5019	5009
60°	4671	4660	4624
65°	4172	4168	4120
70°	3566	3544	3466
75°	2842	2758	2674
80°	2025	1984	1880
85°	1314	1314	1274



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.4	3.3
10°-20°	508.6	9.7
20°-30°	791.9	15.1
30°-40°	980.1	18.6
40°-50°	1016.3	19.3
50°-60°	876.0	16.7
60°-70°	595.6	11.3
70°-80°	266.5	5.1
80°-90°	50.7	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°	1474.8	28.0
0°-40°	2454.9	46.7
0°-60°	4347.2	82.6
0°-90°	5260.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5260.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1833	1833	1833	1833	1833	
5°	1832	1828	1830	1829	1831	175
15°	1802	1798	1800	1798	1800	509
25°	1720	1718	1717	1716	1717	793
35°	1570	1568	1570	1568	1568	981
45°	1320	1319	1323	1320	1322	1016
55°	985	981	982	981	981	878
65°	602	607	601	599	594	598
75°	251	252	244	242	236	270
85°	39	40	39	38	38	51
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1833.3	1833.3	1833.3	1833.3	1833.3
2.5°	1835.9	1832.1	1832.1	1832.8	1834.7
5°	1832.1	1828.5	1829.7	1829.0	1830.9
7.5°	1827.3	1824.2	1826.1	1824.7	1826.1
10°	1822.3	1819.2	1819.9	1819.2	1821.1
12.5°	1813.7	1810.1	1811.3	1811.3	1812.0
15°	1801.5	1798.4	1799.6	1798.4	1799.6
17.5°	1786.8	1783.2	1783.8	1783.2	1784.4
20°	1767.9	1765.5	1766.0	1764.8	1765.5
22.5°	1746.4	1743.3	1744.0	1742.8	1742.8
25°	1720.2	1717.6	1717.1	1716.4	1717.1
27.5°	1689.4	1686.5	1686.5	1685.8	1685.8
30°	1655.3	1652.2	1652.2	1651.5	1651.5
32.5°	1614.8	1613.5	1614.2	1613.0	1612.3
35°	1570.1	1568.2	1570.1	1567.7	1568.2
37.5°	1518.1	1515.7	1519.3	1516.9	1517.4
40°	1458.7	1457.5	1461.8	1459.9	1458.7
42.5°	1392.6	1392.6	1394.5	1395.0	1393.8
45°	1319.8	1318.6	1323.4	1320.3	1321.5
47.5°	1241.4	1239.6	1243.3	1242.6	1242.1
50°	1159.5	1158.1	1161.2	1158.1	1158.1
52.5°	1074.3	1073.6	1074.3	1071.2	1070.5
55°	984.9	981.3	982.5	980.6	980.6
57.5°	891.8	887.5	888.2	887.5	888.2
60°	797.1	795.7	795.2	792.1	789.0
62.5°	699.7	700.9	700.3	696.0	692.9
65°	601.7	606.7	601.2	599.3	594.3
67.5°	509.4	511.1	507.5	503.2	497.7
70°	416.3	419.9	413.7	409.4	404.6
72.5°	327.6	330.0	324.5	322.1	315.9
75°	251.0	251.7	243.6	242.4	236.2
77.5°	178.7	181.1	175.1	175.1	168.9
80°	120.0	124.3	117.6	115.7	111.4
82.5°	75.4	75.9	74.0	72.3	70.4
85°	39.1	40.3	39.1	37.9	37.9
87.5°	14.8	15.3	14.8	14.1	14.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)