

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: P738255

Luminaire Tested: **22PT-50-PR1-L830**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738255  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506224)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-50-PR1-L830  
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

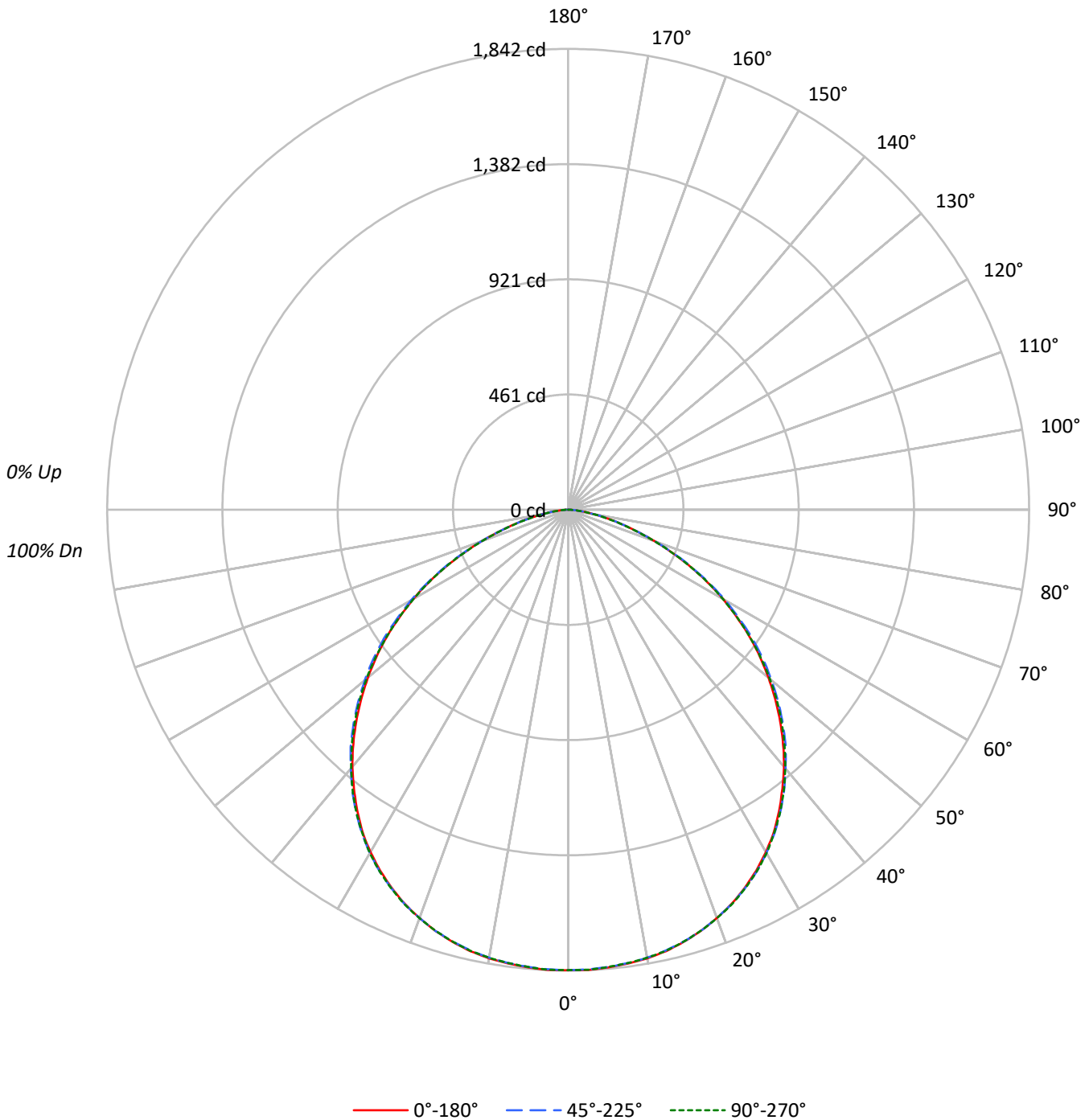
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4918.0 lumens  
Efficiency: N/A  
Efficacy: 125.1 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37  
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

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

	0°	45°	90°
0°	5393	5393	5393
5°	5401	5397	5397
10°	5418	5410	5410
15°	5424	5419	5420
20°	5417	5415	5419
25°	5394	5399	5404
30°	5345	5361	5364
35°	5255	5284	5281
40°	5132	5167	5161
45°	4964	5028	5002
50°	4763	4835	4796
55°	4521	4592	4527
60°	4191	4249	4177
65°	3739	3777	3734
70°	3146	3146	3124
75°	2465	2465	2437
80°	1805	1784	1775
85°	1177	1177	1200



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.6	3.6
10°-20°	504.4	10.3
20°-30°	769.3	15.6
30°-40°	922.0	18.7
40°-50°	931.2	18.9
50°-60°	796.7	16.2
60°-70°	537.3	10.9
70°-80°	237.0	4.8
80°-90°	45.5	0.9
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°	1448.3	29.4
0°-40°	2370.3	48.2
0°-60°	4098.2	83.3
0°-90°	4918.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4918.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1840	1840	1840	1840	1840	
5°	1836	1834	1835	1834	1835	175
15°	1788	1788	1786	1786	1787	505
25°	1668	1670	1670	1670	1672	768
35°	1469	1478	1477	1476	1476	918
45°	1198	1207	1213	1211	1207	923
55°	885	893	899	898	886	788
65°	539	544	545	544	539	533
75°	218	218	218	218	215	237
85°	35	35	35	36	36	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1840.5	1840.5	1840.5	1840.5	1840.5
2.5°	1841.7	1839.3	1838.6	1838.1	1840.5
5°	1836.2	1833.7	1834.9	1833.7	1834.9
7.5°	1829.4	1827.0	1827.7	1826.3	1827.7
10°	1820.9	1818.3	1818.3	1817.1	1818.3
12.5°	1807.2	1805.5	1804.8	1803.6	1805.5
15°	1788.1	1787.6	1786.4	1785.7	1786.9
17.5°	1764.9	1763.7	1764.9	1763.0	1764.2
20°	1737.2	1737.9	1736.6	1737.2	1737.9
22.5°	1705.8	1705.8	1706.5	1706.5	1707.7
25°	1668.3	1670.1	1670.1	1670.1	1671.5
27.5°	1626.6	1629.0	1630.7	1629.5	1630.7
30°	1579.8	1584.1	1584.6	1584.1	1585.3
32.5°	1529.3	1532.4	1534.2	1533.0	1531.7
35°	1469.0	1477.7	1477.1	1475.8	1476.4
37.5°	1405.7	1414.4	1417.3	1414.9	1415.6
40°	1341.8	1349.2	1350.9	1351.6	1349.2
42.5°	1271.0	1279.7	1286.5	1283.3	1279.7
45°	1197.9	1207.1	1213.3	1211.4	1207.1
47.5°	1122.3	1130.8	1139.4	1136.3	1132.2
50°	1044.8	1053.3	1060.7	1059.5	1052.1
52.5°	965.4	975.3	982.0	979.6	969.7
55°	885.0	892.9	899.0	897.8	886.2
57.5°	797.6	808.0	811.1	809.2	800.7
60°	715.1	722.0	725.0	722.5	712.7
62.5°	627.2	632.7	635.2	634.6	627.9
65°	539.3	543.6	544.8	543.6	538.6
67.5°	449.0	455.1	455.7	455.7	450.7
70°	367.2	368.9	367.2	372.0	364.7
72.5°	287.8	289.0	287.8	287.8	284.6
75°	217.7	218.3	217.7	218.3	215.3
77.5°	157.4	158.6	156.2	158.1	155.0
80°	107.0	107.0	105.7	106.4	105.2
82.5°	66.4	67.6	65.9	65.9	65.2
85°	35.0	35.0	35.0	35.7	35.7
87.5°	12.3	12.3	12.8	12.8	12.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)