

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: P738582

Luminaire Tested: **24PT-50-PR1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738582
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-50-PR1-L950
Description: 5000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

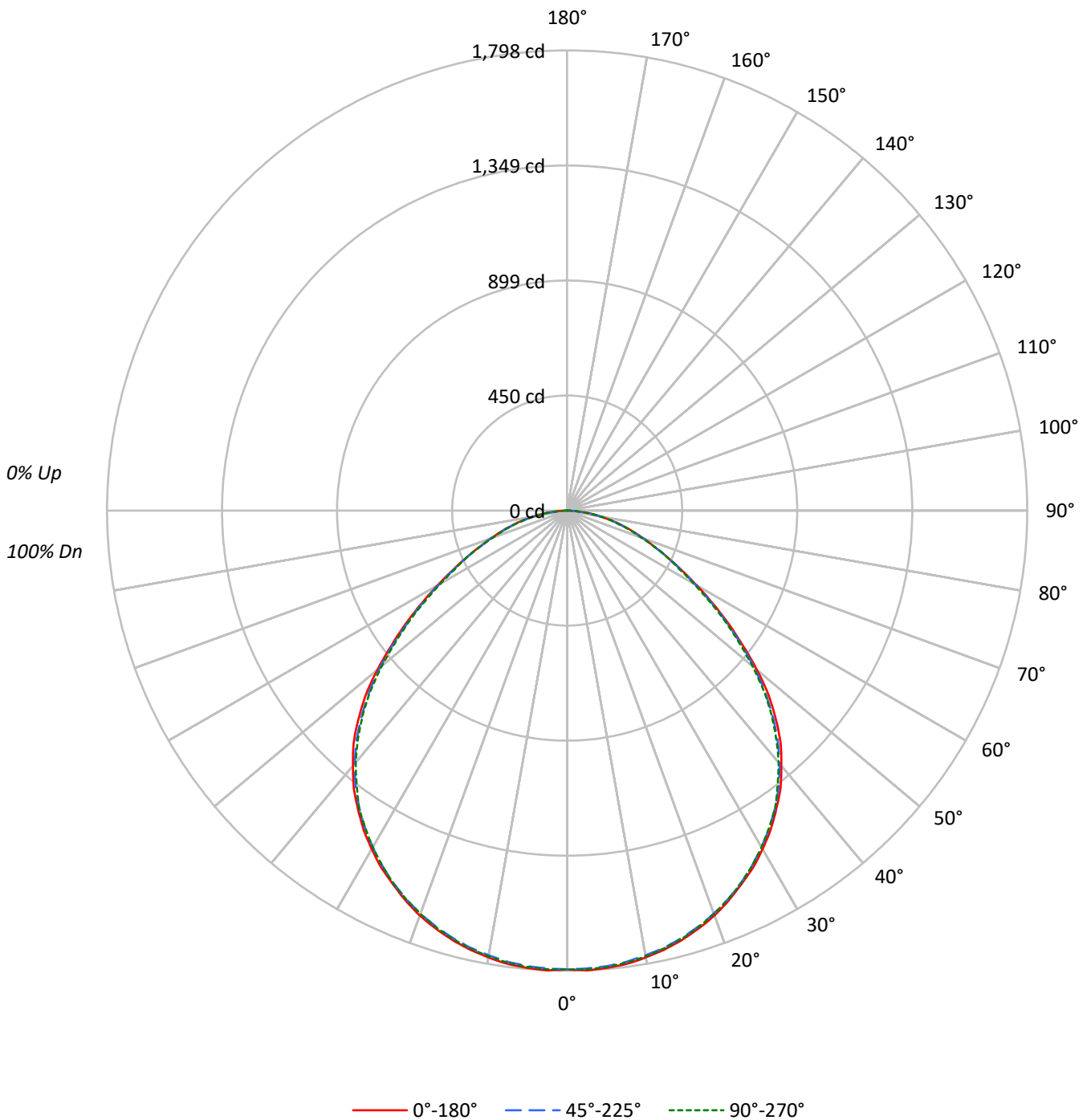
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4565.0 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 41
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	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2570	2570	2570
5°	2582	2571	2576
10°	2581	2569	2575
15°	2578	2566	2571
20°	2569	2556	2559
25°	2548	2541	2542
30°	2529	2515	2515
35°	2494	2479	2482
40°	2437	2417	2406
45°	2340	2302	2290
50°	2160	2129	2109
55°	1923	1895	1883
60°	1676	1658	1640
65°	1469	1470	1462
70°	1322	1318	1299
75°	1231	1195	1198
80°	1099	1078	1078
85°	847	872	839



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.0	3.7
10°-20°	488.3	10.7
20°-30°	740.3	16.2
30°-40°	885.4	19.4
40°-50°	874.2	19.1
50°-60°	680.4	14.9
60°-70°	431.9	9.5
70°-80°	231.8	5.1
80°-90°	62.8	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°	1398.5	30.6
0°-40°	2283.9	50.0
0°-60°	3838.4	84.1
0°-90°	4565.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4565.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1792	1792	1792	1792	1792	
5°	1794	1788	1786	1786	1790	171
15°	1736	1730	1729	1727	1732	490
25°	1611	1608	1606	1603	1607	743
35°	1425	1422	1416	1412	1418	891
45°	1154	1146	1135	1130	1129	886
55°	769	765	758	753	753	689
65°	433	434	433	428	431	434
75°	222	219	216	215	216	235
85°	52	52	53	53	51	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1792.5	1792.5	1792.5	1792.5	1792.5
2.5°	1798.5	1792.5	1790.5	1789.5	1794.0
5°	1794.0	1788.5	1786.5	1785.5	1789.5
7.5°	1786.5	1780.0	1778.0	1777.0	1781.5
10°	1773.0	1767.0	1764.5	1764.5	1768.5
12.5°	1757.0	1752.0	1749.4	1747.4	1752.0
15°	1736.4	1730.4	1728.9	1726.9	1731.9
17.5°	1711.9	1705.9	1703.9	1702.9	1706.4
20°	1683.9	1676.4	1675.4	1674.9	1676.9
22.5°	1649.4	1645.4	1643.4	1642.4	1643.9
25°	1610.8	1607.8	1605.8	1602.8	1606.8
27.5°	1573.3	1569.3	1564.3	1561.8	1564.3
30°	1527.3	1522.3	1518.8	1517.8	1518.8
32.5°	1479.7	1474.7	1470.2	1469.7	1469.2
35°	1424.7	1421.7	1416.2	1411.7	1417.7
37.5°	1370.1	1363.1	1358.1	1352.6	1351.1
40°	1302.1	1299.6	1291.1	1286.1	1285.6
42.5°	1236.0	1224.5	1218.5	1215.0	1209.5
45°	1154.0	1145.9	1135.4	1129.9	1129.4
47.5°	1068.4	1058.4	1048.4	1040.9	1042.9
50°	968.3	963.8	954.3	947.8	945.3
52.5°	865.2	864.2	854.2	850.2	845.7
55°	769.1	765.1	758.1	753.1	753.1
57.5°	674.6	671.1	667.6	658.0	658.0
60°	584.5	584.0	578.0	572.5	572.0
62.5°	503.9	506.9	501.4	495.9	492.9
65°	432.9	434.4	433.4	427.9	430.9
67.5°	370.3	370.8	368.8	365.8	367.8
70°	315.3	317.8	314.3	312.3	309.8
72.5°	267.2	266.2	263.2	264.7	261.2
75°	222.2	218.7	215.7	215.2	216.2
77.5°	177.1	176.1	173.6	173.6	172.1
80°	133.1	132.1	130.6	131.1	130.6
82.5°	94.6	92.1	90.1	91.1	91.6
85°	51.5	52.5	53.0	53.0	51.0
87.5°	21.0	20.5	21.0	22.0	22.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)