

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: P738587

Luminaire Tested: **24PT-50-PW1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738587
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-50-PW1-L930
Description: 5000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

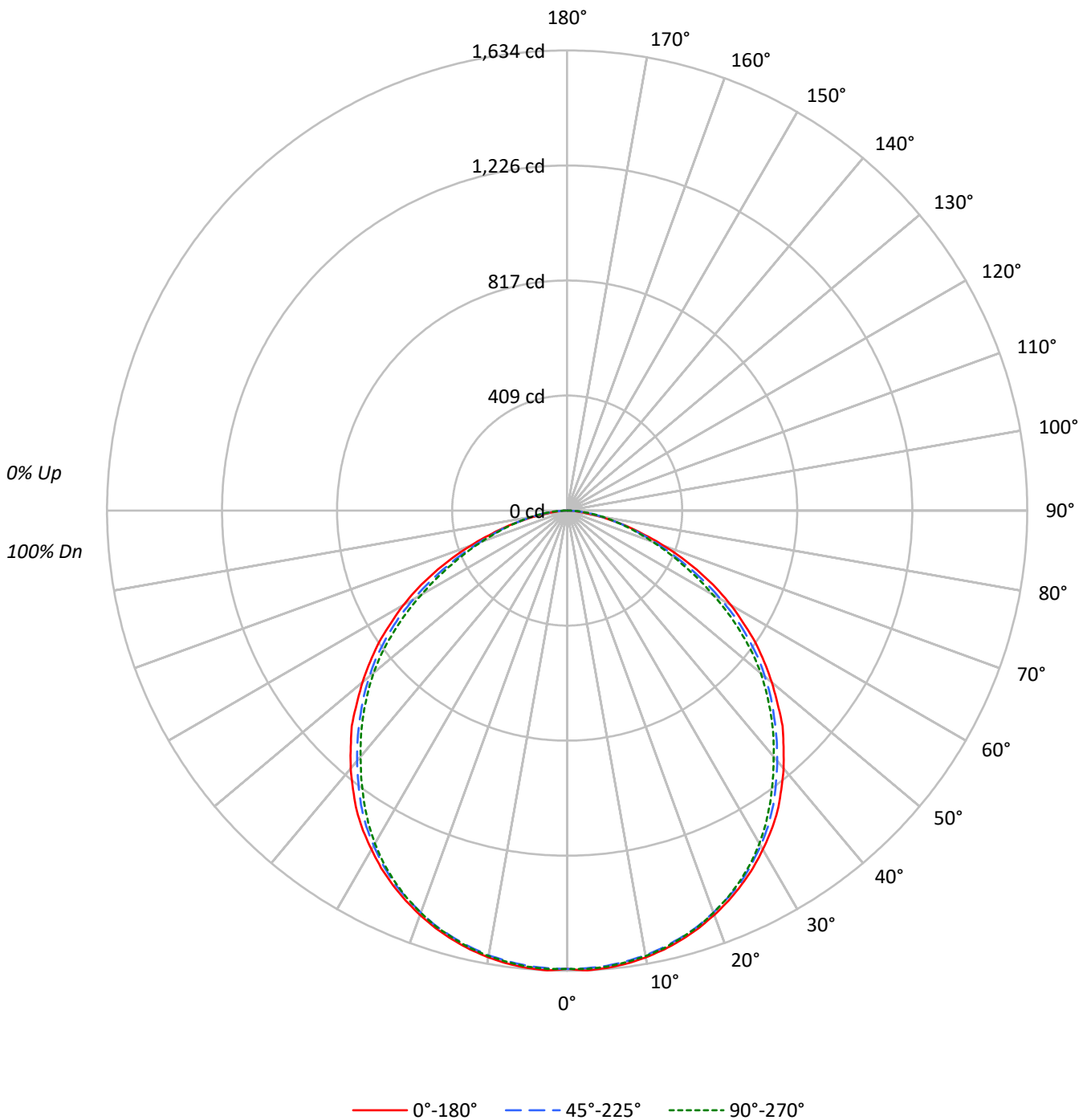
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4340.0 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 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 (A_{in}): 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: P738587
CATALOG NUMBER: 24PT-50-PW1-L930

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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2334	2334	2334
5°	2347	2335	2340
10°	2345	2334	2338
15°	2341	2328	2331
20°	2331	2318	2319
25°	2319	2306	2297
30°	2301	2274	2260
35°	2280	2234	2203
40°	2238	2172	2136
45°	2194	2109	2074
50°	2116	2045	2002
55°	2039	1952	1881
60°	1927	1808	1715
65°	1764	1611	1528
70°	1529	1397	1345
75°	1251	1204	1189
80°	913	1030	1061
85°	612	859	913



TEST NUMBER: P738587

CATALOG NUMBER: 24PT-50-PW1-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.4	3.6
10°-20°	443.2	10.2
20°-30°	670.7	15.5
30°-40°	798.1	18.4
40°-50°	806.1	18.6
50°-60°	697.5	16.1
60°-70°	476.5	11.0
70°-80°	234.8	5.4
80°-90°	58.7	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°	1268.3	29.2
0°-40°	2066.3	47.6
0°-60°	3570.0	82.3
0°-90°	4340.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4340.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1628	1628	1628	1628	1628	
5°	1630	1624	1622	1621	1626	155
15°	1577	1572	1568	1567	1570	445
25°	1466	1460	1457	1452	1452	676
35°	1302	1292	1276	1262	1258	813
45°	1082	1064	1040	1028	1023	831
55°	816	804	781	764	752	726
65°	520	500	475	459	450	514
75°	226	219	217	216	215	241
85°	37	46	52	54	56	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1627.7	1627.7	1627.7	1627.7	1627.7
2.5°	1634.3	1628.1	1626.3	1624.8	1629.1
5°	1630.5	1624.4	1622.5	1621.1	1625.8
7.5°	1622.5	1616.4	1614.5	1613.1	1616.8
10°	1610.7	1605.1	1603.2	1601.8	1606.0
12.5°	1595.7	1590.5	1588.1	1586.3	1591.0
15°	1576.8	1571.7	1568.4	1567.4	1570.3
17.5°	1554.3	1549.1	1546.7	1545.3	1548.6
20°	1527.9	1522.3	1519.0	1517.1	1519.9
22.5°	1498.7	1493.1	1488.9	1487.0	1487.9
25°	1465.8	1460.1	1457.3	1451.7	1451.7
27.5°	1430.5	1423.9	1416.9	1410.7	1411.2
30°	1389.6	1382.0	1373.6	1365.6	1365.1
32.5°	1348.2	1338.7	1328.4	1317.6	1314.3
35°	1302.5	1291.7	1276.2	1262.0	1258.3
37.5°	1248.9	1239.0	1218.3	1206.5	1200.4
40°	1195.7	1181.6	1160.4	1146.8	1141.1
42.5°	1137.3	1123.7	1101.1	1088.4	1083.7
45°	1081.8	1063.5	1039.9	1028.2	1023.0
47.5°	1012.6	997.6	981.1	967.5	960.9
50°	948.6	936.4	916.7	901.6	897.4
52.5°	881.8	871.5	852.7	832.9	828.2
55°	815.5	804.2	780.7	764.2	752.4
57.5°	740.7	730.8	708.7	687.5	677.1
60°	672.0	655.0	630.6	607.5	598.1
62.5°	597.1	580.7	552.4	528.9	523.7
65°	520.0	500.2	474.8	459.3	450.3
67.5°	441.9	422.6	401.4	391.5	385.9
70°	364.7	349.2	333.2	326.1	320.9
72.5°	290.3	281.4	272.5	269.6	264.9
75°	225.9	219.3	217.4	216.0	214.6
77.5°	162.8	166.1	168.0	169.9	168.0
80°	110.6	117.6	124.7	128.5	128.5
82.5°	68.2	80.5	86.6	90.3	89.9
85°	37.2	46.1	52.2	54.1	55.5
87.5°	15.1	18.8	21.2	23.1	24.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)