

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: P738564

Luminaire Tested: **24PT-50-PC3-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738564
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-50-PC3-L935
Description: 5000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

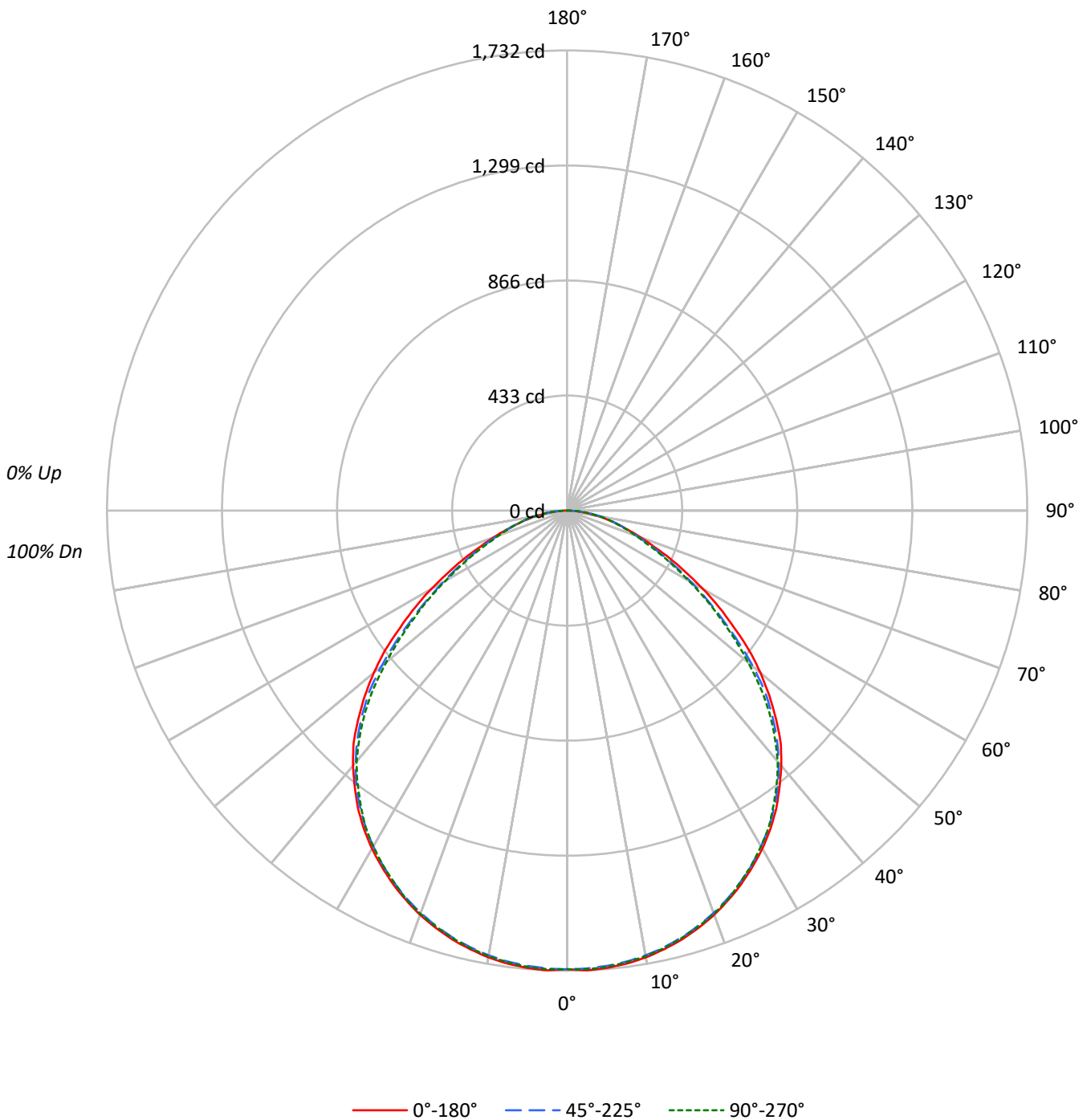
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4355.0 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 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: P738564
CATALOG NUMBER: 24PT-50-PC3-L935

Luminous Intensity Polar Plot





TEST NUMBER: P738564

CATALOG NUMBER: 24PT-50-PC3-L935

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	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	86																												
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																												
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62																												
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54																												
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47																												
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41																												
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37																												
8	63	49	41	36	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	43	36	32	42	36	31	30																												
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27																												

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2476	2476	2476
5°	2486	2476	2481
10°	2487	2475	2479
15°	2481	2470	2472
20°	2471	2459	2464
25°	2454	2442	2441
30°	2433	2417	2416
35°	2401	2381	2370
40°	2347	2319	2308
45°	2256	2214	2183
50°	2118	2037	1983
55°	1915	1785	1751
60°	1694	1545	1514
65°	1448	1338	1304
70°	1227	1174	1140
75°	1075	1094	1057
80°	964	1064	1004
85°	814	972	925



TEST NUMBER: P738564

CATALOG NUMBER: 24PT-50-PC3-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.7	3.8
10°-20°	469.9	10.8
20°-30°	711.8	16.3
30°-40°	850.2	19.5
40°-50°	838.7	19.3
50°-60°	649.2	14.9
60°-70°	399.1	9.2
70°-80°	209.1	4.8
80°-90°	63.4	1.5
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°	1345.4	30.9
0°-40°	2195.5	50.4
0°-60°	3683.4	84.6
0°-90°	4355.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4355.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1726	1726	1726	1726	1726	
5°	1728	1722	1720	1719	1724	164
15°	1671	1666	1664	1662	1666	472
25°	1551	1546	1543	1542	1543	715
35°	1371	1365	1360	1356	1354	856
45°	1112	1104	1092	1080	1076	856
55°	766	745	714	704	701	687
65°	427	407	394	383	384	426
75°	194	196	198	194	191	209
85°	50	55	59	58	56	58
90°	0	0	0	0	0	



TEST NUMBER: P738564

CATALOG NUMBER: 24PT-50-PC3-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1726.5	1726.5	1726.5	1726.5	1726.5
2.5°	1732.3	1727.0	1724.6	1724.1	1727.9
5°	1727.5	1722.2	1720.3	1719.3	1723.6
7.5°	1719.8	1714.0	1712.1	1710.6	1714.5
10°	1707.8	1702.0	1700.1	1699.1	1702.5
12.5°	1690.5	1685.2	1683.7	1682.3	1686.6
15°	1671.2	1666.0	1663.6	1662.1	1665.5
17.5°	1646.3	1641.9	1639.0	1639.0	1641.9
20°	1619.3	1614.1	1611.7	1610.2	1615.0
22.5°	1586.2	1582.8	1579.9	1577.5	1582.8
25°	1551.1	1546.3	1543.4	1542.5	1542.9
27.5°	1511.2	1507.9	1504.0	1502.6	1503.5
30°	1469.4	1465.1	1459.8	1456.9	1459.3
32.5°	1422.8	1416.6	1412.2	1409.4	1412.7
35°	1371.4	1365.2	1360.3	1356.0	1354.1
37.5°	1312.8	1310.9	1304.1	1296.4	1296.0
40°	1253.7	1248.4	1238.8	1235.4	1233.0
42.5°	1190.2	1179.2	1169.1	1159.5	1156.1
45°	1112.4	1104.2	1091.7	1080.2	1076.4
47.5°	1032.6	1022.1	1010.0	989.9	987.5
50°	949.5	934.1	913.0	896.2	889.0
52.5°	863.0	842.3	813.0	798.6	794.8
55°	765.9	745.3	714.0	703.5	700.6
57.5°	679.5	649.2	623.7	611.7	615.5
60°	590.6	561.2	538.7	527.1	528.1
62.5°	503.6	480.5	463.7	452.6	454.1
65°	426.7	407.0	394.5	383.0	384.4
67.5°	351.3	342.1	333.0	326.3	322.4
70°	292.6	288.8	280.1	273.9	272.0
72.5°	239.3	241.7	234.5	232.6	232.1
75°	194.1	196.1	197.5	193.6	190.8
77.5°	155.2	158.1	163.9	158.6	157.6
80°	116.8	122.5	128.8	125.4	121.6
82.5°	81.7	88.9	94.7	90.3	88.4
85°	49.5	55.3	59.1	57.7	56.2
87.5°	22.1	24.0	25.9	26.4	25.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)