

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: P738247

Luminaire Tested: **22PT-50-PP3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738247
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-L830
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

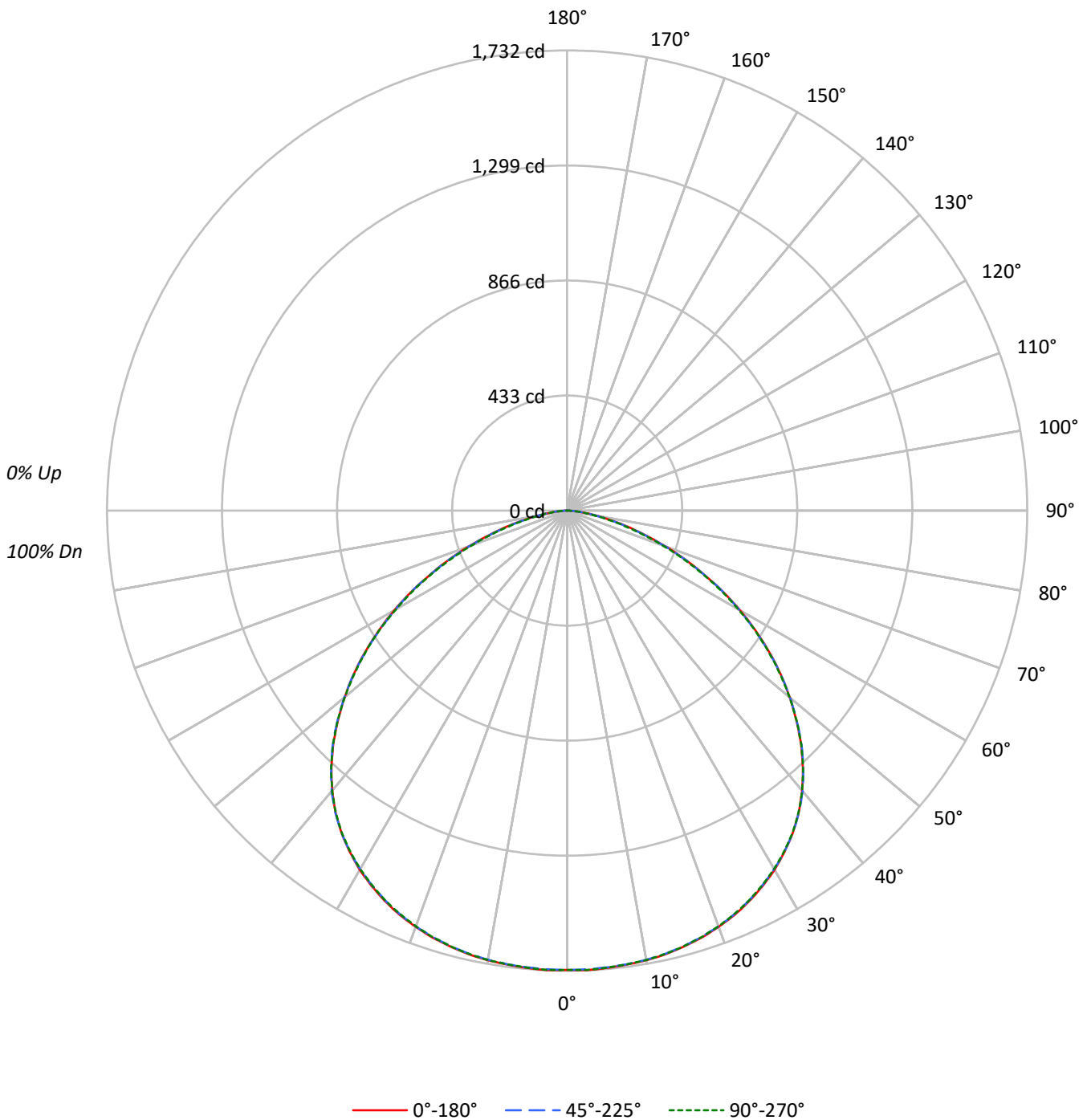
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4961.0 lumens
Efficiency: N/A
Efficacy: 126.2 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_{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

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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°	5066	5066	5066
5°	5082	5076	5079
10°	5114	5107	5110
15°	5154	5149	5149
20°	5199	5194	5192
25°	5245	5236	5236
30°	5282	5272	5270
35°	5297	5297	5291
40°	5262	5273	5262
45°	5158	5172	5165
50°	4985	4992	4979
55°	4745	4733	4725
60°	4406	4395	4361
65°	3935	3931	3886
70°	3363	3343	3269
75°	2680	2602	2522
80°	1910	1871	1773
85°	1241	1241	1204



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.4	3.3
10°-20°	479.7	9.7
20°-30°	746.9	15.1
30°-40°	924.4	18.6
40°-50°	958.5	19.3
50°-60°	826.2	16.7
60°-70°	561.7	11.3
70°-80°	251.4	5.1
80°-90°	47.9	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°	1391.0	28.0
0°-40°	2315.4	46.7
0°-60°	4100.1	82.6
0°-90°	4961.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4961.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1729	1729	1729	1729	1729	
5°	1728	1724	1726	1725	1727	165
15°	1699	1696	1697	1696	1697	480
25°	1622	1620	1620	1619	1620	748
35°	1481	1479	1481	1479	1479	925
45°	1245	1244	1248	1245	1246	958
55°	929	926	927	925	925	828
65°	568	572	567	565	560	564
75°	237	237	230	229	223	255
85°	37	38	37	36	36	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1729.1	1729.1	1729.1	1729.1	1729.1
2.5°	1731.5	1727.9	1727.9	1728.6	1730.4
5°	1727.9	1724.5	1725.7	1725.0	1726.8
7.5°	1723.4	1720.5	1722.3	1721.0	1722.3
10°	1718.7	1715.8	1716.4	1715.8	1717.6
12.5°	1710.6	1707.2	1708.4	1708.4	1709.0
15°	1699.1	1696.2	1697.3	1696.2	1697.3
17.5°	1685.2	1681.8	1682.4	1681.8	1682.9
20°	1667.4	1665.1	1665.6	1664.5	1665.1
22.5°	1647.1	1644.2	1644.9	1643.7	1643.7
25°	1622.4	1619.9	1619.5	1618.8	1619.5
27.5°	1593.4	1590.6	1590.6	1590.0	1590.0
30°	1561.2	1558.3	1558.3	1557.6	1557.6
32.5°	1523.0	1521.8	1522.5	1521.3	1520.7
35°	1480.9	1479.1	1480.9	1478.6	1479.1
37.5°	1431.8	1429.5	1432.9	1430.7	1431.2
40°	1375.8	1374.6	1378.7	1376.9	1375.8
42.5°	1313.4	1313.4	1315.2	1315.7	1314.6
45°	1244.8	1243.7	1248.2	1245.3	1246.4
47.5°	1170.8	1169.2	1172.6	1171.9	1171.4
50°	1093.6	1092.3	1095.2	1092.3	1092.3
52.5°	1013.3	1012.6	1013.3	1010.3	1009.7
55°	928.9	925.5	926.6	924.9	924.9
57.5°	841.1	837.1	837.7	837.1	837.7
60°	751.8	750.5	750.0	747.1	744.2
62.5°	660.0	661.1	660.4	656.4	653.5
65°	567.5	572.2	567.0	565.2	560.5
67.5°	480.4	482.0	478.6	474.6	469.4
70°	392.6	396.0	390.2	386.2	381.6
72.5°	308.9	311.2	306.0	303.8	297.9
75°	236.7	237.4	229.8	228.6	222.8
77.5°	168.6	170.8	165.2	165.2	159.3
80°	113.2	117.2	110.9	109.1	105.1
82.5°	71.1	71.6	69.8	68.2	66.4
85°	36.9	38.0	36.9	35.8	35.8
87.5°	13.9	14.4	13.9	13.3	13.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)