

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: P737863

Luminaire Tested: **14PT-50-PP3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737863
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-50-PP3-L830
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

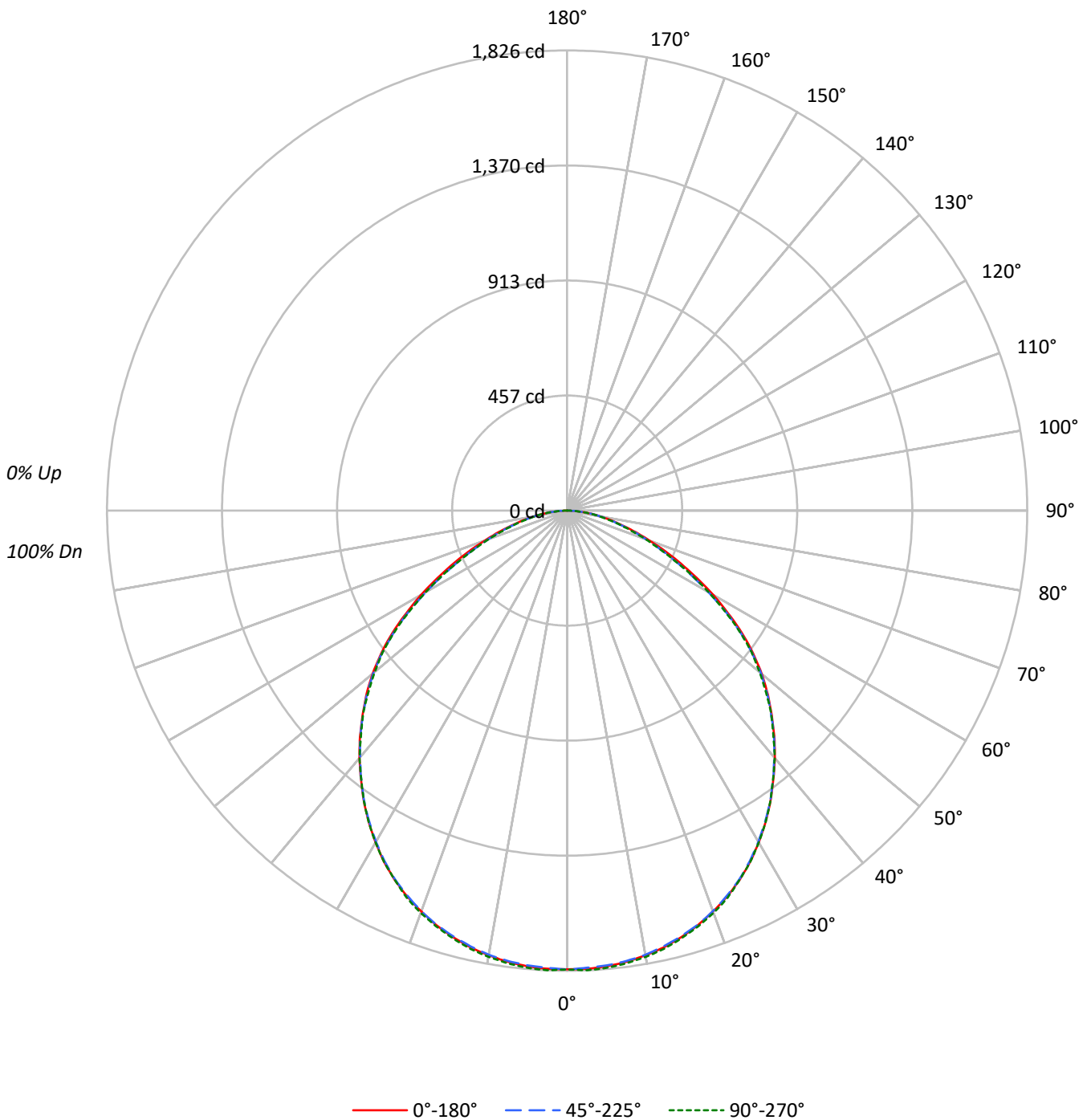
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4704.0 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 40.9
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	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78		84	79	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	73	64	58	82	71	63	57	69	62	56		66	60	56		64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49		60	54	49		58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43		54	48	43		53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38		50	43	38		48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34		45	39	34		44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31		42	35	31		41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28		39	33	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5458	5458	5458
5°	5463	5451	5481
10°	5456	5448	5474
15°	5437	5427	5452
20°	5401	5397	5421
25°	5353	5345	5351
30°	5264	5252	5264
35°	5149	5142	5147
40°	5017	5002	5015
45°	4867	4853	4859
50°	4703	4682	4648
55°	4428	4377	4362
60°	4018	3883	3891
65°	3530	3352	3347
70°	3052	2914	2879
75°	2641	2541	2488
80°	2339	2305	2201
85°	1933	2002	1885



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.7	3.7
10°-20°	494.6	10.5
20°-30°	744.7	15.8
30°-40°	878.9	18.7
40°-50°	883.9	18.8
50°-60°	746.2	15.9
60°-70°	479.3	10.2
70°-80°	238.4	5.1
80°-90°	65.3	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°	1412.0	30.0
0°-40°	2290.9	48.7
0°-60°	3921.0	83.4
0°-90°	4704.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4704.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1820	1820	1820	1820	1820	
5°	1815	1816	1811	1820	1821	173
15°	1752	1752	1748	1756	1756	494
25°	1618	1619	1616	1619	1618	745
35°	1407	1408	1405	1406	1406	879
45°	1148	1152	1144	1146	1146	886
55°	847	846	837	834	835	754
65°	498	490	472	468	472	496
75°	228	227	219	217	215	247
85°	56	58	58	55	55	66
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1820.5	1820.5	1820.5	1820.5	1820.5
2.5°	1819.9	1820.5	1815.9	1824.5	1825.8
5°	1815.3	1815.9	1811.3	1819.9	1821.2
7.5°	1806.0	1806.7	1802.7	1810.6	1812.0
10°	1792.1	1794.1	1789.5	1796.8	1798.1
12.5°	1775.0	1775.6	1771.0	1779.6	1780.9
15°	1751.8	1752.5	1748.5	1756.4	1756.4
17.5°	1725.4	1726.1	1723.4	1730.0	1729.4
20°	1693.0	1695.0	1691.7	1696.3	1699.0
22.5°	1658.0	1658.6	1654.7	1660.6	1663.3
25°	1618.3	1619.0	1615.7	1619.0	1617.7
27.5°	1572.1	1573.4	1568.8	1572.1	1572.7
30°	1520.5	1523.8	1517.2	1519.9	1520.5
32.5°	1465.0	1467.0	1462.4	1463.0	1466.3
35°	1406.9	1407.5	1404.9	1406.2	1406.2
37.5°	1344.1	1346.7	1342.8	1344.8	1342.1
40°	1282.0	1279.3	1278.0	1279.3	1281.3
42.5°	1216.6	1217.2	1215.2	1213.9	1210.6
45°	1147.8	1151.8	1144.5	1145.9	1145.9
47.5°	1080.4	1081.1	1077.1	1073.2	1070.5
50°	1008.4	1008.4	1003.8	1000.5	996.5
52.5°	929.8	928.4	923.2	919.9	921.8
55°	847.2	846.5	837.3	833.9	834.6
57.5°	756.6	758.0	744.1	740.8	740.8
60°	670.1	663.5	647.6	643.0	648.9
62.5°	579.5	571.6	554.4	554.4	559.0
65°	497.6	490.3	472.5	467.9	471.8
67.5°	420.9	414.3	397.8	395.2	396.5
70°	348.2	342.3	332.4	326.4	328.4
72.5°	285.5	280.2	273.6	269.0	266.3
75°	228.0	226.7	219.4	217.4	214.8
77.5°	180.4	179.7	173.8	171.2	168.5
80°	135.5	134.8	133.5	129.5	127.5
82.5°	96.5	96.5	95.8	92.5	90.5
85°	56.2	58.2	58.2	54.8	54.8
87.5°	22.5	23.8	22.5	22.5	21.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)