

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: P737806

Luminaire Tested: **14PT-40-PB1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737806
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-40-PB1-L950
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

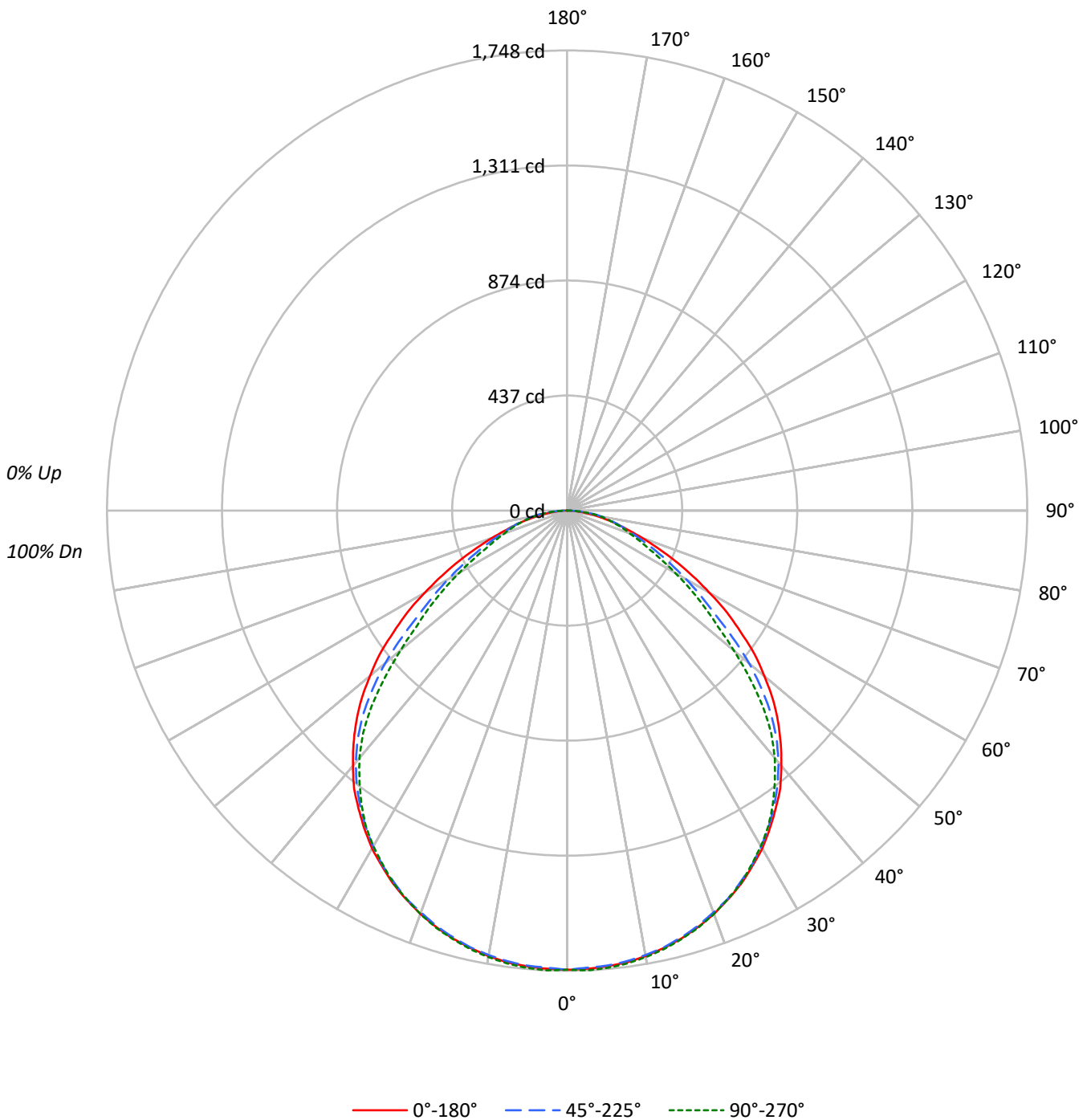
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4349.0 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 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 (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	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					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86					86			
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73					73			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62					62			
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47					47			
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42					42			
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37					37			
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33					33			
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30					30			
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5229	5229	5229
5°	5230	5223	5249
10°	5231	5218	5244
15°	5220	5207	5227
20°	5202	5181	5202
25°	5173	5152	5166
30°	5132	5102	5095
35°	5057	5017	4986
40°	4954	4887	4803
45°	4803	4648	4457
50°	4563	4213	3852
55°	4205	3577	3319
60°	3743	3126	2843
65°	3211	2709	2420
70°	2652	2389	2219
75°	2237	2287	2162
80°	1889	2334	2222
85°	1476	2360	2067



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.4	3.8
10°-20°	474.5	10.9
20°-30°	718.8	16.5
30°-40°	856.5	19.7
40°-50°	837.6	19.3
50°-60°	633.5	14.6
60°-70°	389.2	8.9
70°-80°	207.4	4.8
80°-90°	66.1	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°	1358.7	31.2
0°-40°	2215.2	50.9
0°-60°	3686.3	84.8
0°-90°	4349.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4349.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1744	1744	1744	1744	1744	
5°	1738	1740	1736	1742	1744	165
15°	1682	1684	1678	1684	1684	475
25°	1564	1562	1558	1560	1562	720
35°	1382	1379	1371	1364	1362	864
45°	1133	1126	1096	1060	1051	871
55°	804	764	684	646	635	720
65°	453	416	382	352	341	450
75°	193	195	197	191	187	207
85°	43	56	69	64	60	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1744.1	1744.1	1744.1	1744.1	1744.1
2.5°	1742.0	1744.1	1737.7	1746.3	1748.4
5°	1737.7	1739.8	1735.5	1742.0	1744.1
7.5°	1731.2	1731.2	1727.0	1733.4	1735.5
10°	1718.4	1718.4	1714.1	1720.5	1722.7
12.5°	1701.2	1701.2	1699.1	1703.4	1705.5
15°	1681.9	1684.1	1677.6	1684.1	1684.1
17.5°	1658.3	1656.2	1654.0	1658.3	1660.5
20°	1630.4	1630.4	1624.0	1628.3	1630.4
22.5°	1598.2	1598.2	1596.1	1598.2	1596.1
25°	1563.9	1561.8	1557.5	1559.6	1561.8
27.5°	1523.2	1523.2	1518.9	1518.9	1516.7
30°	1482.4	1480.2	1473.8	1469.5	1471.7
32.5°	1433.1	1430.9	1424.5	1420.2	1422.3
35°	1381.6	1379.4	1370.8	1364.4	1362.3
37.5°	1330.1	1323.6	1312.9	1304.3	1295.8
40°	1265.7	1259.3	1248.6	1229.3	1227.1
42.5°	1201.4	1194.9	1177.8	1154.2	1147.7
45°	1132.7	1126.3	1096.2	1059.8	1051.2
47.5°	1059.8	1049.0	1001.8	956.8	939.6
50°	978.3	958.9	903.2	845.2	825.9
52.5°	898.9	864.6	791.6	740.1	720.8
55°	804.5	763.7	684.3	645.7	635.0
57.5°	720.8	665.0	600.7	562.1	553.5
60°	624.3	572.8	521.3	487.0	474.1
62.5°	536.3	491.3	448.4	418.3	403.3
65°	452.7	416.2	381.9	351.8	341.1
67.5°	371.1	351.8	323.9	300.3	293.9
70°	302.5	291.8	272.5	261.7	253.1
72.5°	240.3	244.6	231.7	227.4	221.0
75°	193.1	195.2	197.4	190.9	186.6
77.5°	145.9	156.6	165.2	160.9	156.6
80°	109.4	120.1	135.2	128.7	128.7
82.5°	75.1	88.0	100.8	96.5	94.4
85°	42.9	55.8	68.6	64.4	60.1
87.5°	17.2	27.9	30.0	30.0	27.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)