

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: P737886

Luminaire Tested: **14PT-50-PW1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737886
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-50-PW1-L950
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

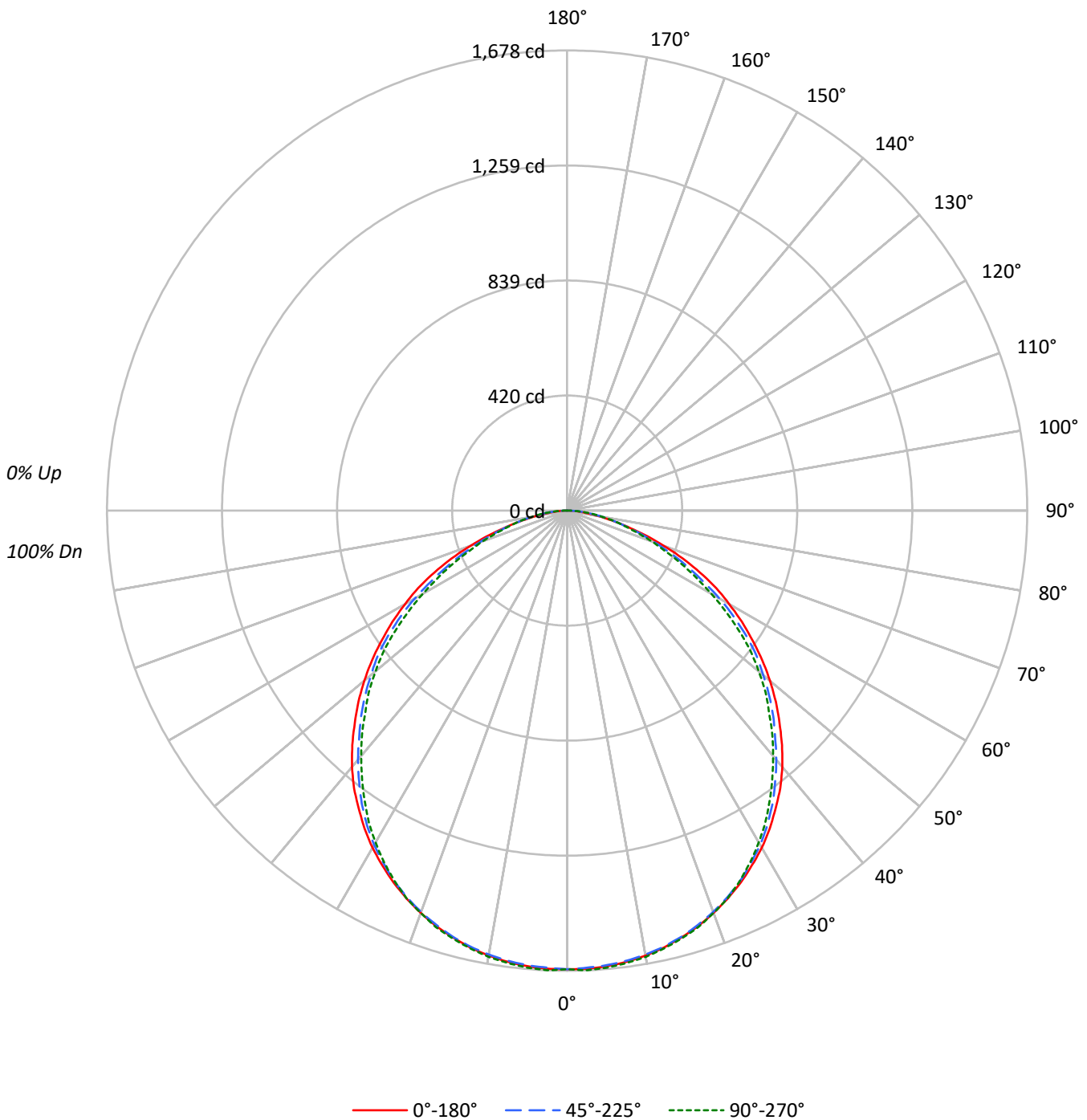
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4439.0 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 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	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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	47	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5015	5015	5015
5°	5019	5008	5034
10°	5017	5005	5030
15°	5002	4994	5013
20°	4981	4969	4981
25°	4953	4933	4929
30°	4916	4873	4838
35°	4850	4777	4716
40°	4776	4645	4572
45°	4643	4507	4415
50°	4504	4356	4255
55°	4315	4169	4004
60°	4092	3850	3649
65°	3785	3438	3267
70°	3281	2994	2880
75°	2620	2563	2492
80°	1991	2225	2225
85°	1472	1899	1899



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.6	3.6
10°-20°	455.0	10.2
20°-30°	687.6	15.5
30°-40°	816.5	18.4
40°-50°	822.6	18.5
50°-60°	711.0	16.0
60°-70°	486.0	10.9
70°-80°	239.7	5.4
80°-90°	62.0	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°	1301.2	29.3
0°-40°	2117.7	47.7
0°-60°	3651.4	82.3
0°-90°	4439.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4439.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1673	1673	1673	1673	1673	
5°	1668	1668	1664	1671	1673	159
15°	1611	1613	1609	1614	1615	455
25°	1497	1496	1491	1492	1490	690
35°	1325	1321	1305	1294	1288	829
45°	1095	1083	1063	1050	1041	845
55°	826	823	798	774	766	738
65°	534	514	485	464	460	527
75°	226	224	221	221	215	246
85°	43	50	55	56	55	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1672.8	1672.8	1672.8	1672.8	1672.8
2.5°	1672.1	1672.8	1668.4	1675.9	1677.7
5°	1667.8	1668.4	1664.1	1670.9	1672.8
7.5°	1659.7	1661.0	1656.0	1662.8	1664.1
10°	1648.0	1648.6	1644.2	1651.1	1652.3
12.5°	1631.9	1632.5	1628.8	1635.0	1635.0
15°	1611.4	1613.3	1608.9	1614.5	1615.1
17.5°	1588.5	1589.1	1584.7	1590.9	1592.2
20°	1561.2	1561.2	1557.5	1562.4	1561.2
22.5°	1530.8	1530.8	1526.5	1529.0	1530.2
25°	1497.4	1496.1	1491.2	1492.4	1489.9
27.5°	1458.9	1458.9	1450.3	1450.3	1445.9
30°	1419.9	1416.8	1407.5	1401.9	1397.6
32.5°	1375.3	1370.9	1359.2	1349.2	1346.1
35°	1325.1	1320.7	1305.2	1293.5	1288.5
37.5°	1276.7	1266.8	1246.4	1234.6	1229.0
40°	1220.3	1207.9	1186.9	1170.7	1168.3
42.5°	1159.6	1149.7	1122.4	1110.6	1107.5
45°	1095.1	1083.4	1062.9	1050.5	1041.2
47.5°	1031.9	1023.2	999.7	984.8	981.7
50°	965.6	958.2	934.0	917.9	912.3
52.5°	896.8	891.8	871.4	850.9	844.1
55°	825.5	823.1	797.6	774.1	766.0
57.5°	755.5	752.4	720.8	693.5	686.1
60°	682.4	673.1	642.1	616.7	608.6
62.5°	613.0	593.1	559.7	539.8	530.5
65°	533.6	514.4	484.7	463.6	460.5
67.5°	455.5	432.6	409.7	396.7	386.7
70°	374.3	358.8	341.5	330.3	328.5
72.5°	298.7	287.6	278.9	272.1	266.5
75°	226.2	224.4	221.3	221.3	215.1
77.5°	166.1	170.4	172.9	172.3	173.5
80°	115.3	124.0	128.9	129.5	128.9
82.5°	73.1	83.0	91.1	92.3	93.6
85°	42.8	50.2	55.2	56.4	55.2
87.5°	19.2	24.2	25.4	26.7	25.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)