

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: P738246

Luminaire Tested: **22PT-50-PL1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738246
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-50-PL1-L950
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

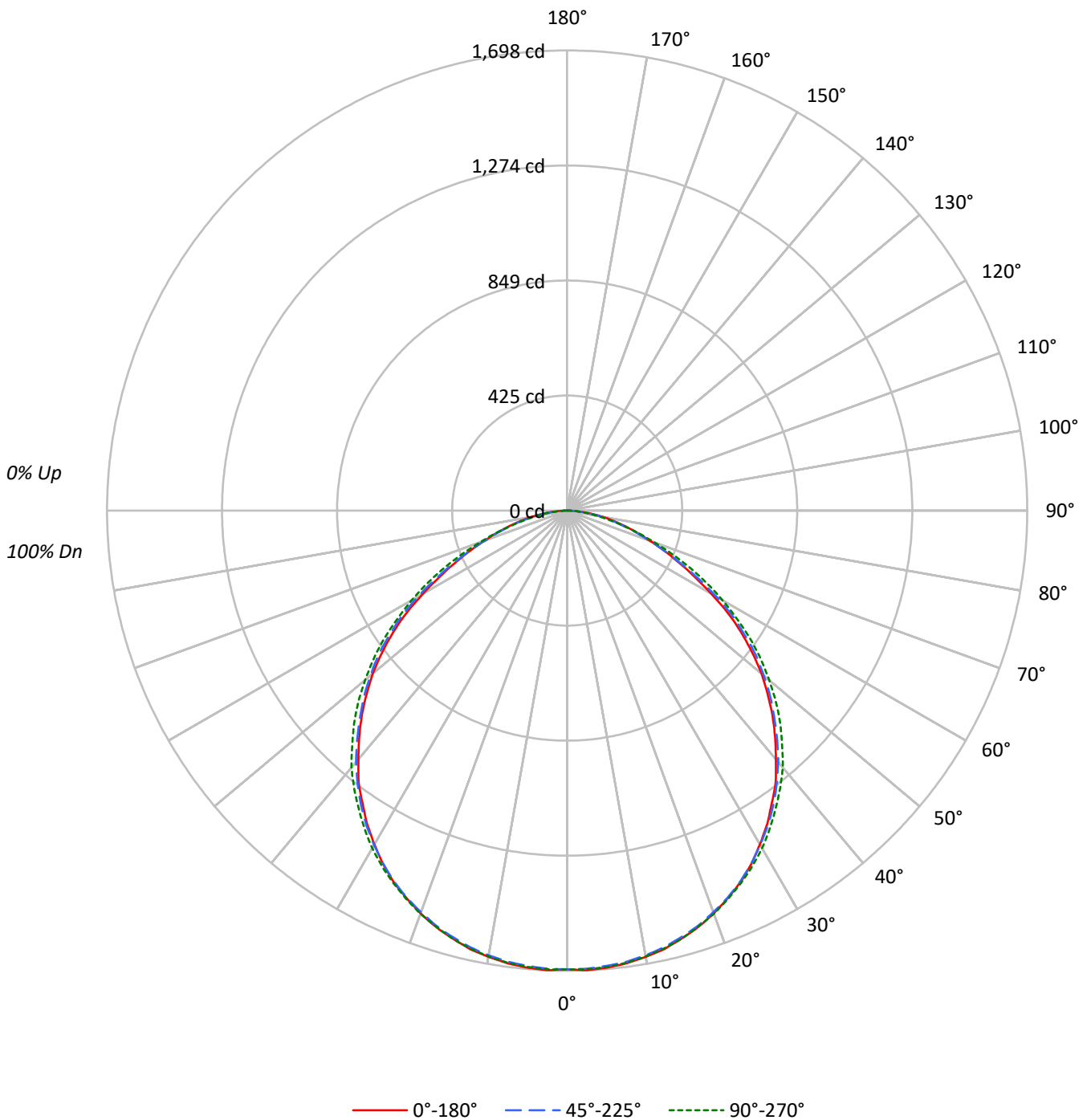
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4460.0 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
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	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	50	75	64	55	49	62	54	49	60	53	48	58	52	48	46
6	71	58	50	43	70	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4960	4960	4960
5°	4979	4960	4972
10°	4975	4958	4971
15°	4958	4943	4960
20°	4932	4916	4936
25°	4892	4883	4904
30°	4812	4821	4867
35°	4710	4743	4799
40°	4581	4634	4737
45°	4441	4479	4607
50°	4266	4318	4434
55°	4006	4085	4213
60°	3602	3722	3881
65°	3155	3219	3461
70°	2770	2746	2922
75°	2492	2386	2394
80°	2236	2114	1886
85°	1772	1748	1436



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.5	3.6
10°-20°	460.4	10.3
20°-30°	696.3	15.6
30°-40°	830.2	18.6
40°-50°	838.2	18.8
50°-60°	715.1	16.0
60°-70°	469.9	10.5
70°-80°	230.1	5.2
80°-90°	59.3	1.3
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°	1317.2	29.5
0°-40°	2147.4	48.1
0°-60°	3700.7	83.0
0°-90°	4460.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4460.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1693	1693	1693	1693	1693	
5°	1693	1689	1686	1686	1691	161
15°	1634	1632	1629	1630	1635	461
25°	1513	1510	1510	1513	1517	696
35°	1317	1320	1326	1335	1342	824
45°	1072	1075	1081	1102	1112	826
55°	784	788	800	818	825	698
65°	455	455	464	486	499	455
75°	220	218	211	209	212	236
85°	53	53	52	48	43	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1692.8	1692.8	1692.8	1692.8	1692.8
2.5°	1697.8	1694.2	1692.1	1690.6	1694.2
5°	1692.8	1689.2	1686.4	1686.4	1690.6
7.5°	1684.9	1681.4	1679.2	1678.5	1682.8
10°	1672.1	1667.9	1666.4	1665.7	1670.7
12.5°	1657.2	1650.8	1650.8	1650.1	1655.0
15°	1634.4	1631.5	1629.4	1630.1	1635.1
17.5°	1610.9	1608.0	1606.6	1606.6	1609.5
20°	1581.7	1578.1	1576.7	1578.1	1583.1
22.5°	1548.2	1546.1	1546.1	1547.5	1551.1
25°	1513.3	1509.8	1510.5	1512.6	1516.9
27.5°	1470.6	1469.9	1469.9	1474.9	1479.8
30°	1422.2	1422.2	1425.0	1432.1	1438.5
32.5°	1373.0	1372.3	1378.0	1384.4	1391.5
35°	1316.8	1320.3	1326.0	1335.3	1341.7
37.5°	1264.1	1263.4	1270.5	1286.9	1291.1
40°	1197.8	1202.8	1211.4	1227.7	1238.4
42.5°	1135.9	1139.4	1147.3	1166.5	1173.6
45°	1071.8	1074.6	1081.0	1102.4	1111.7
47.5°	1004.1	1007.7	1016.9	1034.8	1045.4
50°	935.8	940.7	947.2	964.3	972.8
52.5°	861.0	867.4	878.8	894.5	900.9
55°	784.1	788.3	799.7	818.3	824.7
57.5°	703.6	707.2	723.5	737.1	742.1
60°	614.6	618.9	635.2	656.6	662.3
62.5°	530.6	534.1	548.4	574.0	582.5
65°	455.1	455.1	464.3	485.7	499.2
67.5°	388.1	386.7	388.1	404.5	418.7
70°	323.3	324.0	320.5	330.4	341.1
72.5°	269.9	269.9	262.8	264.2	272.8
75°	220.1	217.9	210.8	209.4	211.5
77.5°	175.9	172.3	166.6	162.4	157.4
80°	132.5	129.6	125.3	118.9	111.8
82.5°	92.6	89.7	86.9	83.3	76.2
85°	52.7	52.7	52.0	47.7	42.7
87.5°	21.4	20.7	19.9	19.2	17.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)