

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: P738238

Luminaire Tested: **22PT-50-PC3-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738238
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P413056)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-50-PC3-L950
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

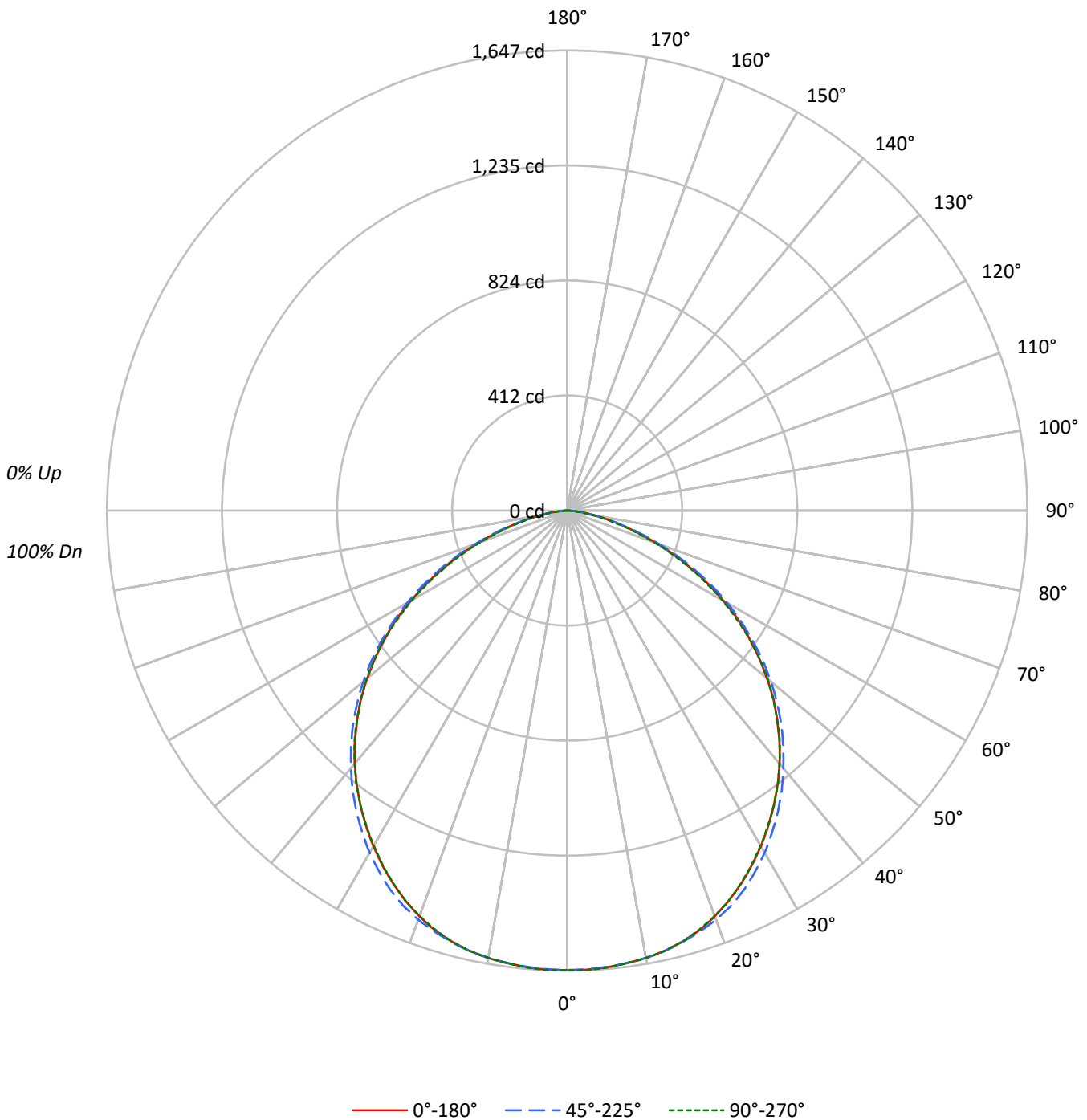
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4419.0 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
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	110	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	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	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	48	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°	4820	4820	4820
5°	4826	4822	4829
10°	4838	4836	4838
15°	4844	4850	4842
20°	4819	4858	4816
25°	4763	4841	4760
30°	4693	4785	4685
35°	4611	4703	4611
40°	4525	4605	4525
45°	4405	4492	4412
50°	4255	4338	4272
55°	4058	4137	4058
60°	3783	3879	3759
65°	3395	3514	3351
70°	2904	3008	2819
75°	2305	2369	2185
80°	1652	1714	1573
85°	1089	1126	1022



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.1	3.5
10°-20°	450.8	10.2
20°-30°	683.9	15.5
30°-40°	816.8	18.5
40°-50°	830.7	18.8
50°-60°	718.5	16.3
60°-70°	494.4	11.2
70°-80°	224.4	5.1
80°-90°	43.4	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°	1290.8	29.2
0°-40°	2107.6	47.7
0°-60°	3656.7	82.8
0°-90°	4419.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4419.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1645	1645	1645	1645	1645	
5°	1641	1639	1640	1640	1642	156
15°	1597	1598	1599	1596	1596	450
25°	1473	1486	1497	1484	1472	679
35°	1289	1312	1315	1310	1289	806
45°	1063	1082	1084	1083	1065	820
55°	794	808	810	808	794	710
65°	490	503	507	503	483	486
75°	204	211	209	207	193	219
85°	32	34	34	32	30	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1644.9	1644.9	1644.9	1644.9	1644.9
2.5°	1644.9	1642.8	1643.3	1643.9	1647.0
5°	1640.8	1639.2	1639.6	1639.6	1641.8
7.5°	1633.9	1633.5	1633.5	1632.9	1634.5
10°	1626.1	1625.1	1625.5	1625.1	1626.1
12.5°	1614.1	1614.1	1614.5	1613.1	1614.1
15°	1596.8	1597.8	1598.8	1596.3	1596.3
17.5°	1574.7	1577.4	1580.0	1575.3	1572.7
20°	1545.5	1551.9	1558.0	1550.7	1544.5
22.5°	1511.5	1521.9	1531.5	1519.9	1511.5
25°	1473.3	1486.4	1497.4	1483.8	1472.3
27.5°	1431.9	1446.6	1457.0	1445.6	1429.9
30°	1387.0	1404.8	1414.2	1403.2	1384.8
32.5°	1338.9	1359.7	1365.5	1358.7	1337.7
35°	1289.2	1312.2	1314.8	1310.1	1289.2
37.5°	1237.3	1259.4	1261.4	1258.8	1237.3
40°	1182.9	1203.3	1203.9	1203.9	1182.9
42.5°	1124.9	1144.7	1144.7	1144.2	1126.4
45°	1063.1	1082.5	1084.1	1083.0	1064.8
47.5°	1001.9	1016.6	1019.1	1017.1	1000.9
50°	933.4	948.5	951.7	949.5	937.1
52.5°	865.3	879.5	882.6	881.0	866.9
55°	794.3	807.8	809.8	808.4	794.3
57.5°	725.7	734.5	736.6	733.5	715.8
60°	645.6	658.2	661.9	658.2	641.5
62.5°	568.3	581.8	585.0	579.7	561.9
65°	489.7	503.2	506.9	502.8	483.4
67.5°	415.5	425.3	428.5	423.8	405.9
70°	339.0	351.6	351.1	344.7	329.0
72.5°	263.7	280.9	277.8	274.1	256.8
75°	203.6	211.3	209.3	207.2	193.0
77.5°	145.4	154.8	149.7	150.1	138.1
80°	97.9	106.7	101.6	99.4	93.2
82.5°	62.2	65.9	64.9	63.8	58.1
85°	32.4	34.5	33.5	32.4	30.4
87.5°	12.6	13.6	12.6	12.6	11.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)