

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: P738237

Luminaire Tested: **22PT-50-PC3-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738237
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-L940
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

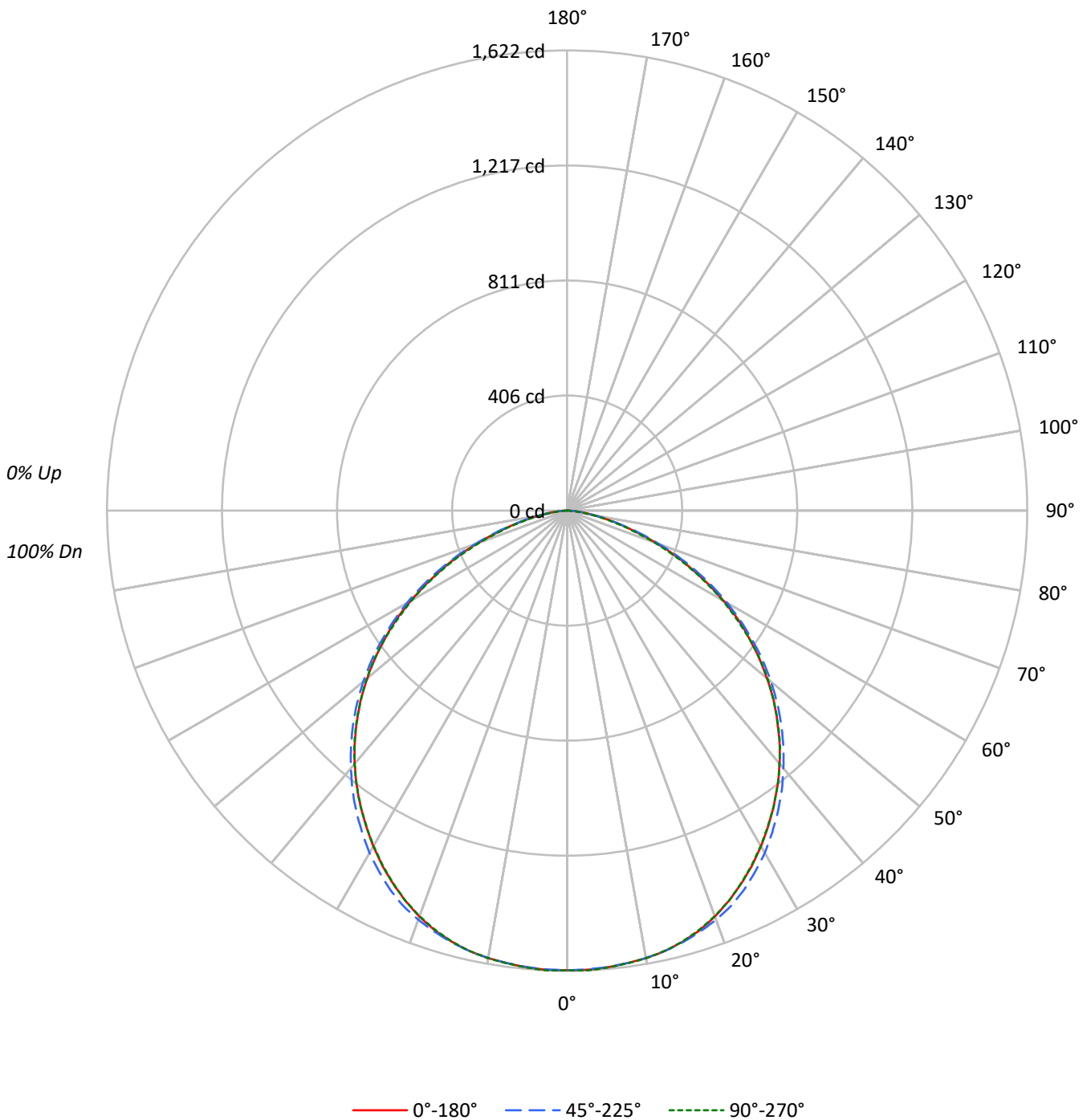
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4353.0 lumens
Efficiency: N/A
Efficacy: 110.8 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°	4748	4748	4748
5°	4754	4750	4757
10°	4766	4764	4766
15°	4771	4777	4770
20°	4747	4785	4744
25°	4692	4769	4689
30°	4623	4713	4616
35°	4542	4633	4542
40°	4457	4536	4457
45°	4340	4425	4346
50°	4191	4273	4208
55°	3997	4075	3997
60°	3727	3821	3703
65°	3345	3462	3302
70°	2861	2962	2777
75°	2270	2334	2152
80°	1627	1687	1549
85°	1072	1109	1005



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.7	3.5
10°-20°	444.1	10.2
20°-30°	673.7	15.5
30°-40°	804.6	18.5
40°-50°	818.3	18.8
50°-60°	707.8	16.3
60°-70°	487.0	11.2
70°-80°	221.0	5.1
80°-90°	42.8	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°	1271.5	29.2
0°-40°	2076.1	47.7
0°-60°	3602.1	82.8
0°-90°	4353.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4353.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1620	1620	1620	1620	1620	
5°	1616	1615	1615	1615	1617	154
15°	1573	1574	1575	1572	1572	444
25°	1451	1464	1475	1462	1450	668
35°	1270	1293	1295	1291	1270	794
45°	1047	1066	1068	1067	1049	808
55°	782	796	798	796	782	699
65°	482	496	499	495	476	479
75°	200	208	206	204	190	216
85°	32	34	33	32	30	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1620.3	1620.3	1620.3	1620.3	1620.3
2.5°	1620.3	1618.3	1618.7	1619.3	1622.4
5°	1616.3	1614.7	1615.1	1615.1	1617.3
7.5°	1609.5	1609.1	1609.1	1608.5	1610.1
10°	1601.8	1600.8	1601.2	1600.8	1601.8
12.5°	1590.0	1590.0	1590.4	1589.0	1590.0
15°	1572.9	1573.9	1574.9	1572.5	1572.5
17.5°	1551.2	1553.8	1556.4	1551.8	1549.2
20°	1522.5	1528.7	1534.7	1527.5	1521.4
22.5°	1488.9	1499.2	1508.6	1497.2	1488.9
25°	1451.3	1464.2	1475.0	1461.6	1450.3
27.5°	1410.6	1425.0	1435.3	1424.0	1408.5
30°	1366.3	1383.8	1393.1	1382.2	1364.2
32.5°	1318.9	1339.4	1345.1	1338.4	1317.7
35°	1269.9	1292.6	1295.2	1290.6	1269.9
37.5°	1218.9	1240.5	1242.6	1240.0	1218.9
40°	1165.2	1185.3	1185.9	1185.9	1165.2
42.5°	1108.1	1127.6	1127.6	1127.1	1109.6
45°	1047.3	1066.3	1067.9	1066.8	1048.9
47.5°	987.0	1001.4	1003.9	1001.9	986.0
50°	919.5	934.4	937.5	935.4	923.1
52.5°	852.4	866.4	869.4	867.8	854.0
55°	782.4	795.7	797.7	796.3	782.4
57.5°	714.9	723.6	725.6	722.6	705.1
60°	636.0	648.4	652.0	648.4	631.9
62.5°	559.8	573.1	576.3	571.0	553.6
65°	482.4	495.7	499.3	495.3	476.2
67.5°	409.3	419.0	422.1	417.5	399.9
70°	334.0	346.4	345.8	339.6	324.1
72.5°	259.8	276.7	273.7	270.1	253.0
75°	200.5	208.2	206.2	204.1	190.1
77.5°	143.3	152.5	147.5	147.9	136.0
80°	96.4	105.1	100.0	97.9	91.8
82.5°	61.3	64.9	63.9	62.9	57.2
85°	31.9	34.0	33.0	31.9	29.9
87.5°	12.4	13.4	12.4	12.4	11.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)