

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: P738261

Luminaire Tested: **22PT-50-PR1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738261
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506224)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-50-PR1-L940
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

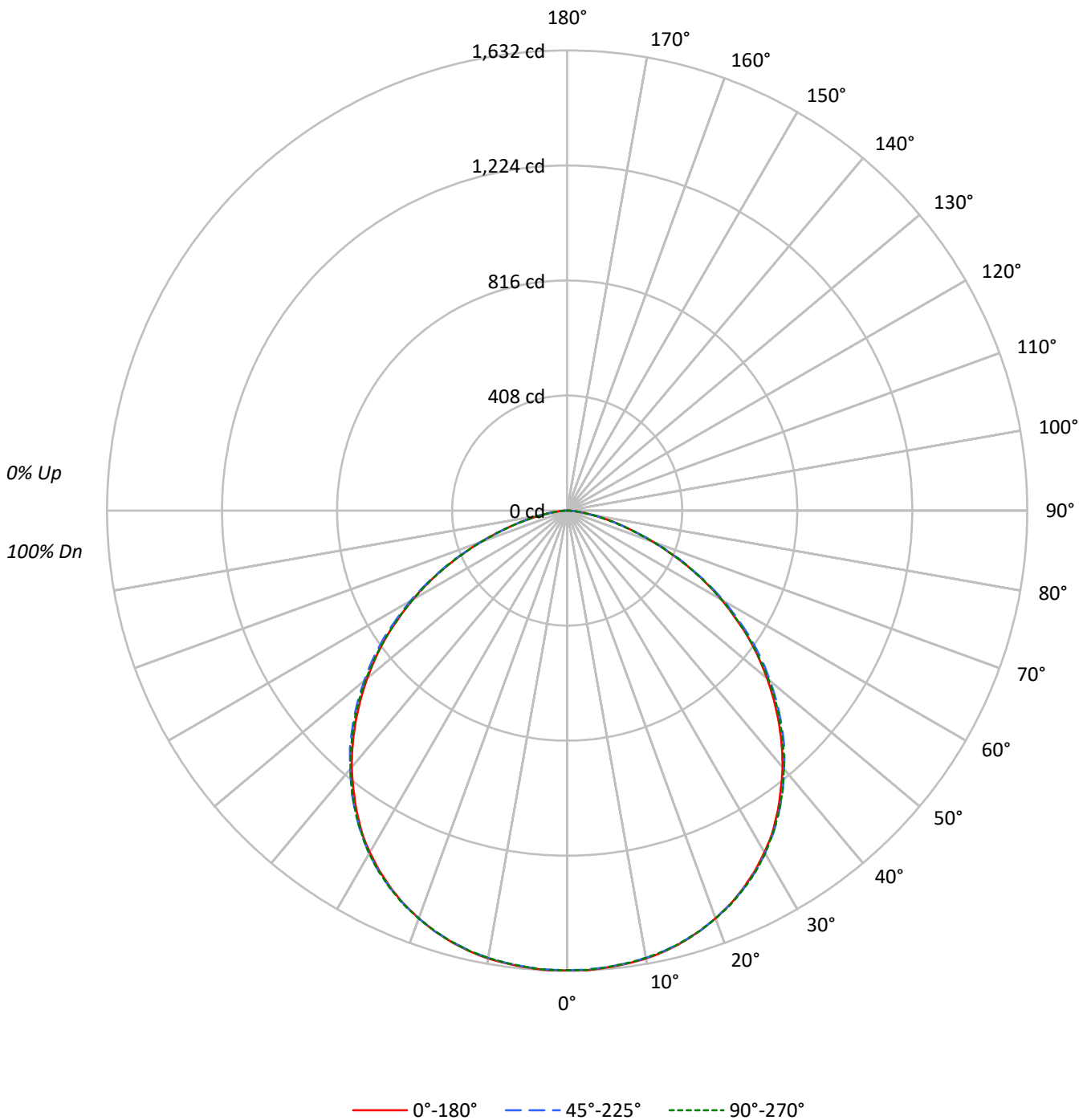
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4357.0 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 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 (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	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	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36
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°	4777	4777	4777
5°	4785	4781	4781
10°	4800	4793	4793
15°	4806	4801	4802
20°	4799	4797	4801
25°	4778	4783	4787
30°	4735	4750	4752
35°	4655	4681	4679
40°	4547	4578	4572
45°	4397	4454	4431
50°	4219	4284	4249
55°	4005	4069	4011
60°	3712	3764	3700
65°	3313	3347	3308
70°	2787	2787	2768
75°	2184	2184	2159
80°	1600	1581	1573
85°	1042	1042	1062



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.7	3.6
10°-20°	446.8	10.3
20°-30°	681.6	15.6
30°-40°	816.8	18.7
40°-50°	825.0	18.9
50°-60°	705.8	16.2
60°-70°	476.0	10.9
70°-80°	210.0	4.8
80°-90°	40.3	0.9
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°	1283.1	29.4
0°-40°	2099.9	48.2
0°-60°	3630.7	83.3
0°-90°	4357.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4357.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1630	1630	1630	1630	1630	
5°	1627	1625	1626	1625	1626	155
15°	1584	1584	1583	1582	1583	447
25°	1478	1480	1480	1480	1481	681
35°	1301	1309	1309	1307	1308	813
45°	1061	1069	1075	1073	1069	818
55°	784	791	796	795	785	698
65°	478	482	483	482	477	472
75°	193	193	193	193	191	210
85°	31	31	31	32	32	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1630.5	1630.5	1630.5	1630.5	1630.5
2.5°	1631.6	1629.5	1628.9	1628.4	1630.5
5°	1626.7	1624.6	1625.6	1624.6	1625.6
7.5°	1620.7	1618.6	1619.2	1617.9	1619.2
10°	1613.2	1610.9	1610.9	1609.8	1610.9
12.5°	1601.1	1599.5	1598.9	1597.8	1599.5
15°	1584.2	1583.7	1582.6	1582.0	1583.1
17.5°	1563.6	1562.5	1563.6	1561.9	1563.0
20°	1539.0	1539.6	1538.5	1539.0	1539.6
22.5°	1511.2	1511.2	1511.8	1511.8	1512.9
25°	1478.0	1479.6	1479.6	1479.6	1480.8
27.5°	1441.0	1443.2	1444.7	1443.6	1444.7
30°	1399.6	1403.4	1403.9	1403.4	1404.5
32.5°	1354.9	1357.6	1359.2	1358.1	1357.0
35°	1301.4	1309.1	1308.6	1307.4	1308.0
37.5°	1245.4	1253.0	1255.7	1253.5	1254.1
40°	1188.7	1195.3	1196.8	1197.5	1195.3
42.5°	1126.0	1133.7	1139.7	1136.9	1133.7
45°	1061.2	1069.4	1074.9	1073.2	1069.4
47.5°	994.3	1001.8	1009.5	1006.7	1003.0
50°	925.6	933.1	939.7	938.7	932.1
52.5°	855.3	864.0	870.0	867.9	859.1
55°	784.0	791.1	796.5	795.4	785.1
57.5°	706.6	715.8	718.6	716.9	709.4
60°	633.5	639.7	642.3	640.1	631.4
62.5°	555.6	560.6	562.7	562.3	556.3
65°	477.8	481.6	482.7	481.6	477.2
67.5°	397.8	403.1	403.8	403.8	399.3
70°	325.3	326.8	325.3	329.6	323.1
72.5°	254.9	256.0	254.9	254.9	252.2
75°	192.9	193.4	192.9	193.4	190.7
77.5°	139.4	140.5	138.4	140.1	137.3
80°	94.8	94.8	93.7	94.3	93.2
82.5°	58.8	59.9	58.4	58.4	57.7
85°	31.0	31.0	31.0	31.6	31.6
87.5°	10.9	10.9	11.4	11.4	10.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)