

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: P738579

Luminaire Tested: **24PT-50-PR1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738579
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-50-PR1-L930
Description: 5000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

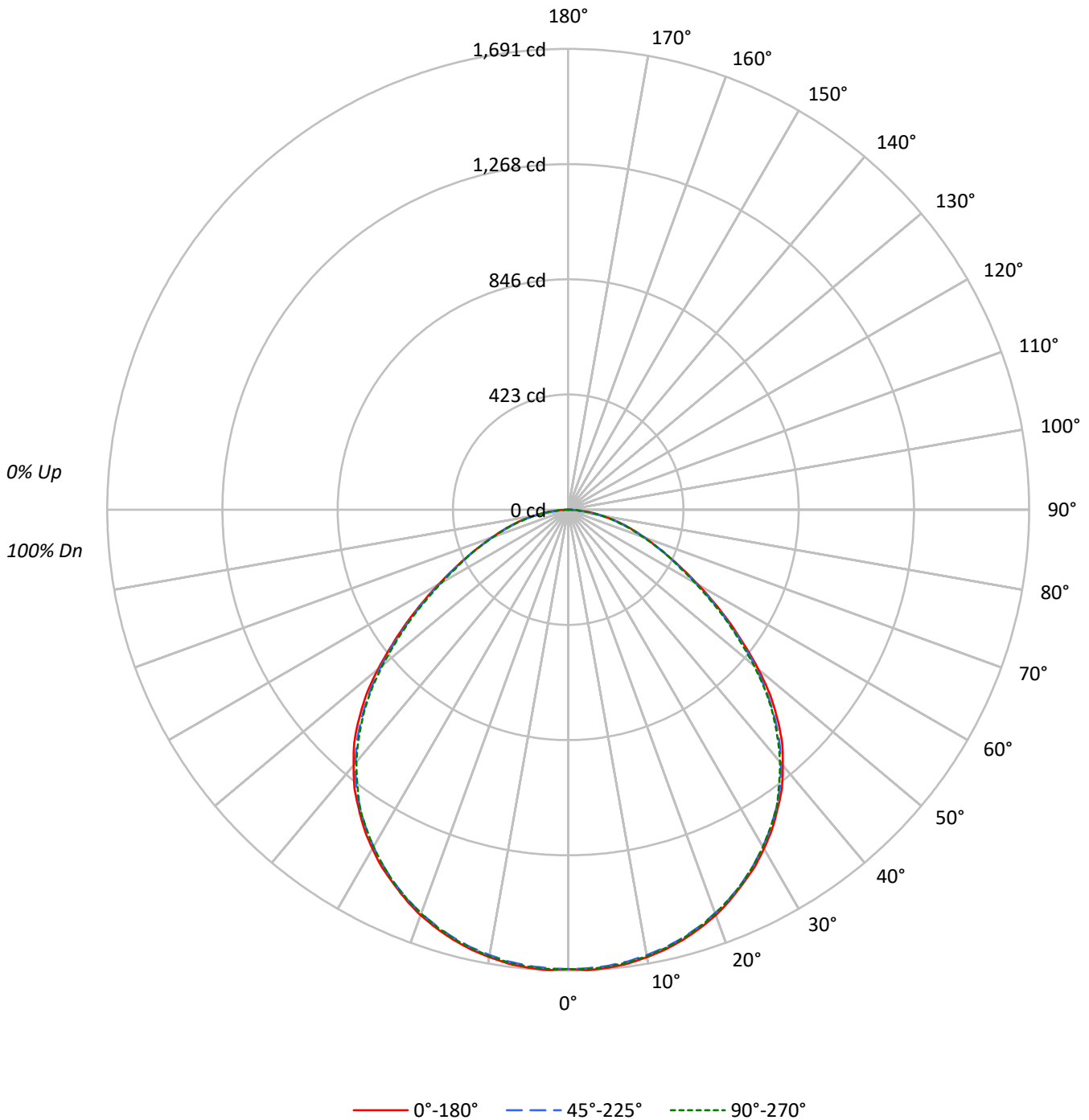
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4293.0 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 41
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	87	85
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66		75	70	65		72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57		67	61	56		65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50		60	54	49		59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44		55	48	43		53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39		50	44	39		49	43	38	36
8	62	49	41	35	61	49	41	35	47	40	35		46	40	35		45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32		42	36	31		41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29		39	33	29		38	33	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2417	2417	2417
5°	2428	2418	2422
10°	2428	2416	2421
15°	2424	2414	2418
20°	2416	2404	2406
25°	2397	2389	2391
30°	2378	2365	2365
35°	2345	2331	2334
40°	2292	2273	2263
45°	2201	2165	2154
50°	2031	2002	1983
55°	1808	1782	1771
60°	1576	1559	1543
65°	1381	1383	1375
70°	1243	1239	1221
75°	1157	1124	1126
80°	1034	1014	1014
85°	798	821	790



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.9	3.7
10°-20°	459.2	10.7
20°-30°	696.1	16.2
30°-40°	832.6	19.4
40°-50°	822.1	19.1
50°-60°	639.9	14.9
60°-70°	406.2	9.5
70°-80°	218.0	5.1
80°-90°	59.1	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°	1315.2	30.6
0°-40°	2147.8	50.0
0°-60°	3609.7	84.1
0°-90°	4293.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4293.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1686	1686	1686	1686	1686	
5°	1687	1682	1680	1679	1683	160
15°	1633	1627	1626	1624	1629	461
25°	1515	1512	1510	1507	1511	699
35°	1340	1337	1332	1328	1333	838
45°	1085	1078	1068	1063	1062	833
55°	723	720	713	708	708	648
65°	407	408	408	402	405	408
75°	209	206	203	202	203	221
85°	48	49	50	50	48	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1685.7	1685.7	1685.7	1685.7	1685.7
2.5°	1691.3	1685.7	1683.8	1682.9	1687.1
5°	1687.1	1681.9	1680.0	1679.1	1682.9
7.5°	1680.0	1673.9	1672.0	1671.1	1675.3
10°	1667.3	1661.7	1659.3	1659.3	1663.1
12.5°	1652.3	1647.6	1645.2	1643.3	1647.6
15°	1633.0	1627.3	1625.9	1624.0	1628.7
17.5°	1609.9	1604.3	1602.4	1601.4	1604.7
20°	1583.6	1576.5	1575.6	1575.1	1577.0
22.5°	1551.1	1547.3	1545.4	1544.5	1545.9
25°	1514.9	1512.0	1510.1	1507.3	1511.1
27.5°	1479.6	1475.8	1471.1	1468.7	1471.1
30°	1436.3	1431.6	1428.3	1427.3	1428.3
32.5°	1391.6	1386.9	1382.6	1382.1	1381.7
35°	1339.8	1337.0	1331.8	1327.6	1333.2
37.5°	1288.5	1281.9	1277.2	1272.0	1270.6
40°	1224.5	1222.1	1214.1	1209.4	1209.0
42.5°	1162.4	1151.6	1145.9	1142.6	1137.4
45°	1085.2	1077.7	1067.8	1062.6	1062.1
47.5°	1004.7	995.3	985.9	978.8	980.7
50°	910.6	906.4	897.4	891.3	889.0
52.5°	813.7	812.7	803.3	799.5	795.3
55°	723.3	719.5	713.0	708.3	708.3
57.5°	634.4	631.1	627.8	618.8	618.8
60°	549.7	549.2	543.5	538.4	537.9
62.5°	473.9	476.7	471.5	466.4	463.5
65°	407.1	408.5	407.5	402.4	405.2
67.5°	348.2	348.7	346.8	344.0	345.9
70°	296.5	298.8	295.5	293.7	291.3
72.5°	251.3	250.4	247.5	248.9	245.7
75°	208.9	205.7	202.8	202.4	203.3
77.5°	166.6	165.7	163.3	163.3	161.9
80°	125.2	124.2	122.8	123.3	122.8
82.5°	88.9	86.6	84.7	85.6	86.1
85°	48.5	49.4	49.9	49.9	48.0
87.5°	19.8	19.3	19.8	20.7	21.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)