

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: P738244

Luminaire Tested: **22PT-50-PL1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738244
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-L935
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

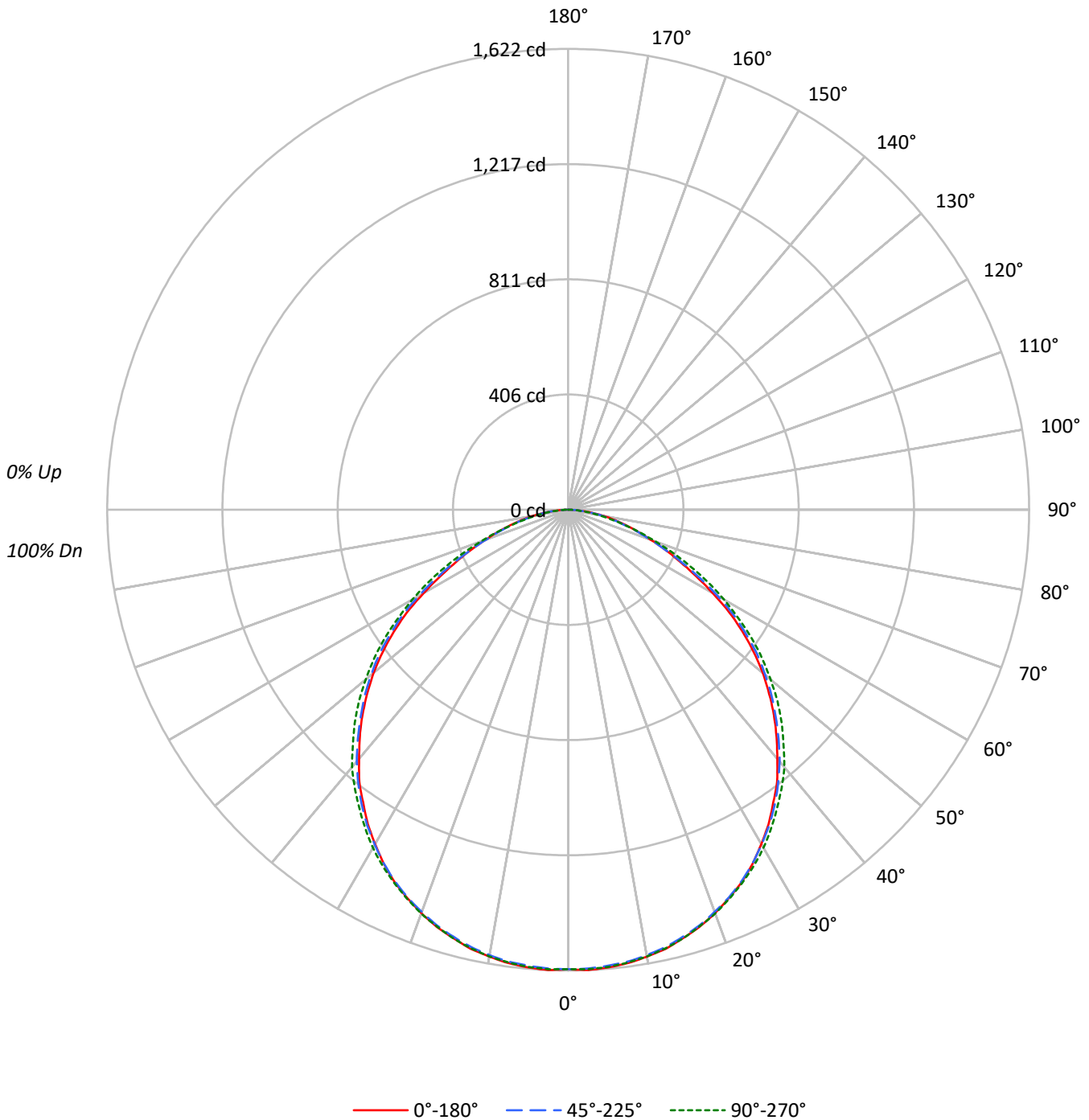
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4261.0 lumens
Efficiency: N/A
Efficacy: 108.4 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°	4738	4738	4738
5°	4757	4739	4751
10°	4753	4737	4749
15°	4737	4722	4739
20°	4712	4697	4716
25°	4674	4665	4685
30°	4597	4606	4650
35°	4500	4532	4585
40°	4377	4427	4526
45°	4243	4280	4401
50°	4075	4125	4237
55°	3827	3903	4025
60°	3441	3557	3708
65°	3015	3076	3306
70°	2646	2623	2792
75°	2380	2280	2288
80°	2135	2020	1802
85°	1691	1671	1372



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.4	3.6
10°-20°	439.8	10.3
20°-30°	665.2	15.6
30°-40°	793.2	18.6
40°-50°	800.8	18.8
50°-60°	683.2	16.0
60°-70°	448.9	10.5
70°-80°	219.8	5.2
80°-90°	56.6	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°	1258.4	29.5
0°-40°	2051.6	48.1
0°-60°	3535.6	83.0
0°-90°	4261.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4261.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1617	1617	1617	1617	1617	
5°	1617	1614	1611	1611	1615	154
15°	1562	1559	1557	1557	1562	441
25°	1446	1442	1443	1445	1449	665
35°	1258	1261	1267	1276	1282	787
45°	1024	1027	1033	1053	1062	789
55°	749	753	764	782	788	667
65°	435	435	444	464	477	435
75°	210	208	201	200	202	225
85°	50	50	50	46	41	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1617.2	1617.2	1617.2	1617.2	1617.2
2.5°	1622.0	1618.6	1616.6	1615.2	1618.6
5°	1617.2	1613.8	1611.1	1611.1	1615.2
7.5°	1609.8	1606.4	1604.3	1603.6	1607.7
10°	1597.5	1593.4	1592.1	1591.4	1596.2
12.5°	1583.2	1577.1	1577.1	1576.4	1581.2
15°	1561.5	1558.7	1556.7	1557.4	1562.1
17.5°	1539.0	1536.3	1534.9	1534.9	1537.6
20°	1511.1	1507.7	1506.3	1507.7	1512.5
22.5°	1479.1	1477.1	1477.1	1478.5	1481.9
25°	1445.8	1442.4	1443.1	1445.1	1449.2
27.5°	1405.0	1404.3	1404.3	1409.1	1413.8
30°	1358.7	1358.7	1361.4	1368.2	1374.4
32.5°	1311.8	1311.1	1316.5	1322.6	1329.5
35°	1258.0	1261.4	1266.9	1275.7	1281.8
37.5°	1207.7	1207.0	1213.8	1229.4	1233.5
40°	1144.4	1149.2	1157.3	1173.0	1183.2
42.5°	1085.2	1088.6	1096.1	1114.5	1121.3
45°	1024.0	1026.7	1032.8	1053.2	1062.1
47.5°	959.3	962.7	971.6	988.6	998.8
50°	894.0	898.8	904.9	921.2	929.4
52.5°	822.6	828.7	839.6	854.5	860.7
55°	749.1	753.2	764.1	781.7	787.9
57.5°	672.2	675.6	691.3	704.2	708.9
60°	587.2	591.2	606.9	627.3	632.7
62.5°	506.9	510.3	523.9	548.4	556.5
65°	434.8	434.8	443.6	464.0	476.9
67.5°	370.8	369.4	370.8	386.5	400.1
70°	308.9	309.6	306.2	315.7	325.9
72.5°	257.9	257.9	251.1	252.4	260.6
75°	210.2	208.2	201.4	200.0	202.1
77.5°	168.1	164.7	159.2	155.1	150.4
80°	126.5	123.8	119.7	113.6	106.8
82.5°	88.4	85.7	83.0	79.6	72.8
85°	50.3	50.3	49.7	45.6	40.8
87.5°	20.4	19.7	19.1	18.4	17.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)