

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: P737862

Luminaire Tested: **14PT-50-PL1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737862
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-50-PL1-L950
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

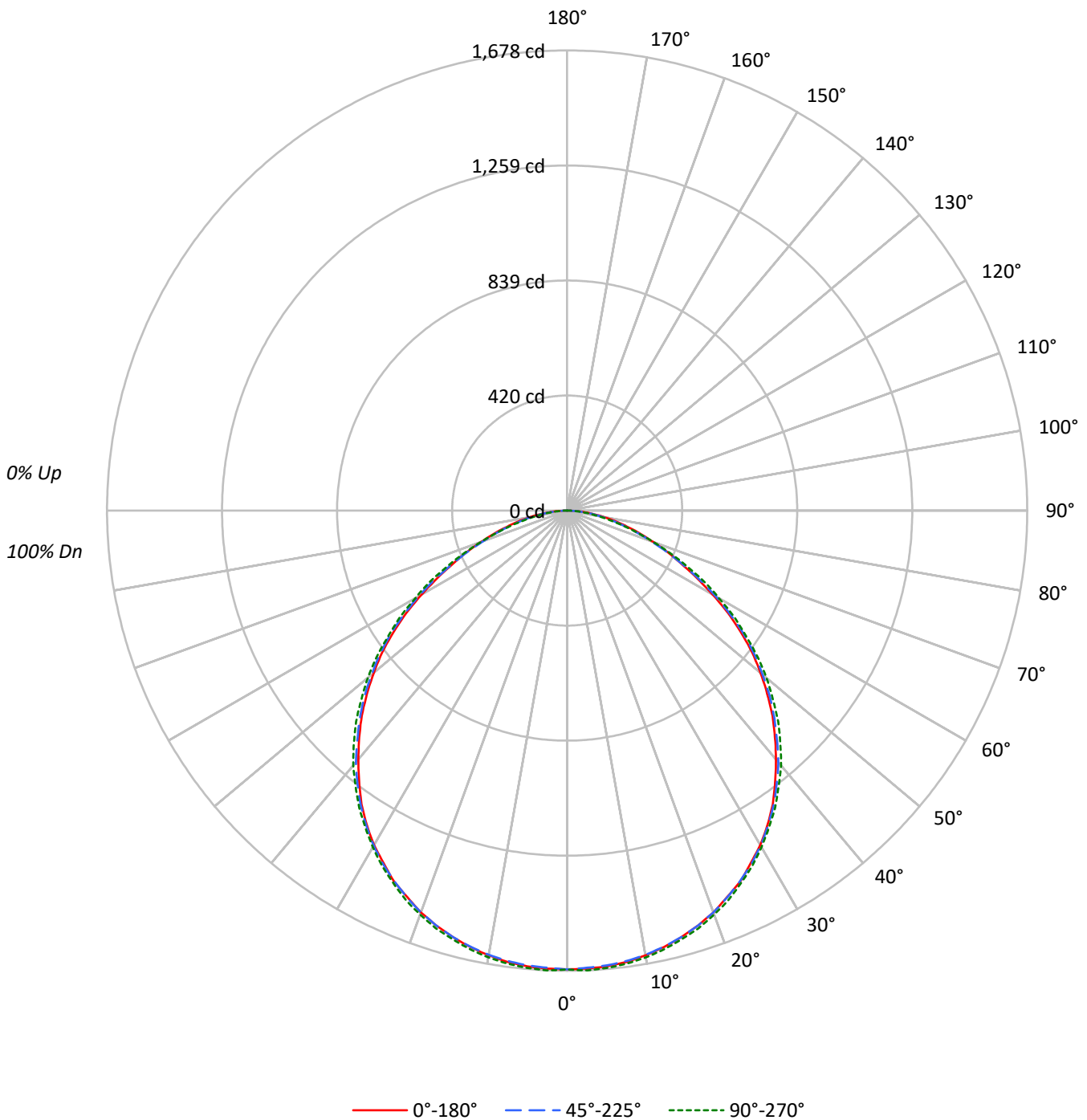
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4410.0 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 40.9
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	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					100			
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61					61			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52					52			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46					46			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40					40			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29					29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5015	5015	5015
5°	5020	5011	5039
10°	5014	5008	5037
15°	4998	4996	5021
20°	4974	4974	5001
25°	4940	4933	4960
30°	4877	4884	4908
35°	4784	4803	4841
40°	4636	4689	4750
45°	4491	4528	4615
50°	4293	4340	4426
55°	4044	4108	4157
60°	3668	3746	3839
65°	3258	3294	3426
70°	2912	2852	2923
75°	2628	2477	2427
80°	2386	2215	1970
85°	2026	1833	1579



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.7	3.6
10°-20°	455.2	10.3
20°-30°	688.5	15.6
30°-40°	820.6	18.6
40°-50°	825.2	18.7
50°-60°	700.3	15.9
60°-70°	466.3	10.6
70°-80°	232.9	5.3
80°-90°	62.3	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°	1302.3	29.5
0°-40°	2123.0	48.1
0°-60°	3648.6	82.7
0°-90°	4410.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4410.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1673	1673	1673	1673	1673	
5°	1668	1669	1665	1672	1674	159
15°	1610	1612	1610	1616	1618	454
25°	1493	1493	1491	1498	1499	687
35°	1307	1308	1312	1322	1323	815
45°	1059	1061	1068	1082	1088	815
55°	774	779	786	793	795	689
65°	459	463	464	471	483	460
75°	227	224	214	209	210	244
85°	59	58	53	50	46	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1672.9	1672.9	1672.9	1672.9	1672.9
2.5°	1671.7	1672.9	1668.6	1676.7	1678.5
5°	1668.0	1668.6	1664.9	1672.3	1674.2
7.5°	1659.9	1660.6	1656.8	1664.9	1666.1
10°	1646.9	1648.2	1645.1	1652.5	1654.4
12.5°	1630.2	1632.0	1628.9	1637.0	1638.2
15°	1610.3	1612.2	1609.7	1616.5	1617.8
17.5°	1586.2	1587.4	1586.2	1592.4	1596.1
20°	1558.9	1558.9	1558.9	1564.5	1567.6
22.5°	1524.8	1527.9	1526.7	1534.1	1537.2
25°	1493.2	1493.2	1491.3	1498.2	1499.4
27.5°	1449.2	1454.1	1453.5	1459.7	1461.0
30°	1408.9	1410.1	1410.8	1415.1	1417.6
32.5°	1359.9	1361.2	1363.0	1369.2	1369.8
35°	1307.2	1308.5	1312.2	1321.5	1322.7
37.5°	1245.9	1252.7	1255.8	1265.7	1267.0
40°	1184.5	1188.9	1198.2	1208.7	1213.6
42.5°	1121.9	1126.9	1132.4	1146.7	1151.0
45°	1059.3	1061.2	1068.0	1082.2	1088.4
47.5°	989.9	995.5	1001.7	1014.1	1017.8
50°	920.5	926.7	930.4	941.5	949.0
52.5°	850.4	856.0	860.3	867.2	874.6
55°	773.6	779.1	786.0	793.4	795.3
57.5°	695.5	701.7	706.0	714.1	722.1
60°	611.8	618.6	624.8	632.2	640.3
62.5°	533.7	536.8	543.0	555.4	567.2
65°	459.3	463.0	464.3	471.1	482.9
67.5°	397.3	397.3	391.7	394.2	407.2
70°	332.2	329.8	325.4	322.9	333.5
72.5°	279.5	276.4	267.2	262.8	268.4
75°	226.9	223.8	213.8	208.9	209.5
77.5°	182.2	177.3	169.2	160.5	158.7
80°	138.2	136.4	128.3	120.2	114.1
82.5°	97.9	93.6	89.3	84.3	79.3
85°	58.9	57.6	53.3	50.2	45.9
87.5°	24.2	24.2	22.9	21.7	20.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)