

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1050457

Luminaire Tested: PTR-14-50-PW1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050457
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-50-PW1-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

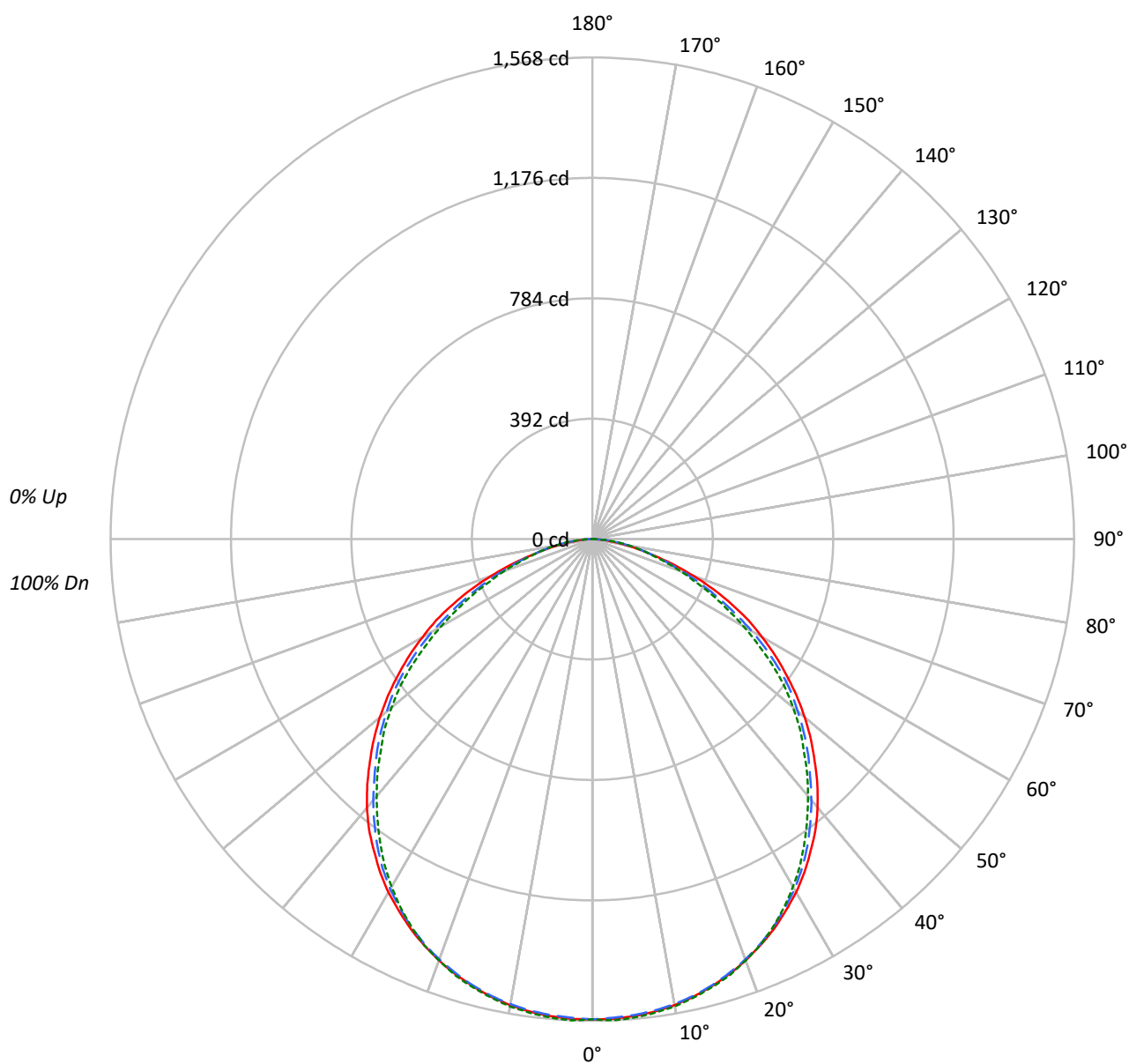
Lumens per Lamp: N/A
Luminaire Lumens: 4149.2 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 40.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4207	4207	4207
5°	4211	4202	4223
10°	4209	4200	4221
15°	4196	4190	4206
20°	4179	4169	4179
25°	4156	4138	4135
30°	4124	4088	4060
35°	4069	4008	3957
40°	4007	3897	3836
45°	3896	3781	3704
50°	3778	3655	3570
55°	3621	3499	3359
60°	3433	3230	3061
65°	3175	2884	2741
70°	2753	2511	2416
75°	2198	2149	2090
80°	1671	1866	1866
85°	1235	1593	1593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3896 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.3	3.6
10°-20°	425.3	10.2
20°-30°	642.8	15.5
30°-40°	763.2	18.4
40°-50°	768.9	18.5
50°-60°	664.6	16.0
60°-70°	454.2	10.9
70°-80°	224.0	5.4
80°-90°	57.9	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°	1216.3	29.3
0°-40°	1979.5	47.7
0°-60°	3413.1	82.3
0°-90°	4149.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4149.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1564	1564	1564	1564	1564	
5°	1559	1560	1556	1562	1564	148
15°	1506	1508	1504	1509	1510	425
25°	1400	1398	1394	1395	1393	645
35°	1239	1234	1220	1209	1204	775
45°	1024	1013	993	982	973	790
55°	772	769	746	724	716	690
65°	499	481	453	433	430	492
75°	211	210	207	207	201	230
85°	40	47	52	53	52	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1563.5	1563.5	1563.5	1563.5	1563.5
2.5°	1563.1	1563.5	1559.5	1566.5	1568.1
5°	1558.9	1559.5	1555.5	1561.8	1563.5
7.5°	1551.5	1552.6	1547.9	1554.3	1555.5
10°	1540.4	1541.0	1537.0	1543.3	1544.6
12.5°	1525.4	1525.8	1522.5	1528.1	1528.1
15°	1506.3	1507.9	1503.9	1509.2	1509.6
17.5°	1484.8	1485.4	1481.4	1487.1	1488.4
20°	1459.3	1459.3	1455.9	1460.6	1459.3
22.5°	1430.9	1430.9	1426.9	1429.2	1430.3
25°	1399.7	1398.5	1393.8	1395.1	1392.8
27.5°	1363.7	1363.7	1355.5	1355.5	1351.5
30°	1327.3	1324.4	1315.7	1310.5	1306.5
32.5°	1285.4	1281.4	1270.5	1261.2	1258.3
35°	1238.7	1234.5	1220.0	1209.0	1204.4
37.5°	1193.4	1184.2	1165.0	1154.1	1148.8
40°	1140.6	1129.0	1109.4	1094.3	1092.0
42.5°	1084.0	1074.7	1049.2	1038.1	1035.3
45°	1023.7	1012.6	993.4	981.9	973.2
47.5°	964.6	956.4	934.5	920.6	917.6
50°	902.5	895.5	873.0	858.1	852.8
52.5°	838.3	833.7	814.5	795.3	789.0
55°	771.8	769.4	745.7	723.5	716.0
57.5°	706.3	703.3	673.7	648.2	641.2
60°	637.9	629.2	600.2	576.4	568.8
62.5°	573.0	554.5	523.1	504.6	496.0
65°	498.7	480.8	453.0	433.2	430.5
67.5°	425.9	404.4	382.9	370.7	361.5
70°	349.9	335.4	319.1	308.8	307.1
72.5°	279.1	268.8	260.6	254.3	249.0
75°	211.4	209.7	206.7	206.7	201.0
77.5°	155.4	159.4	161.7	161.0	162.3
80°	107.8	115.8	120.4	121.0	120.4
82.5°	68.4	77.7	85.3	86.3	87.6
85°	40.0	46.9	51.6	52.6	51.6
87.5°	17.9	22.5	23.8	24.8	23.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)