

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: P1050345

Luminaire Tested: PTR-14-80-PP3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050345
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PP3-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

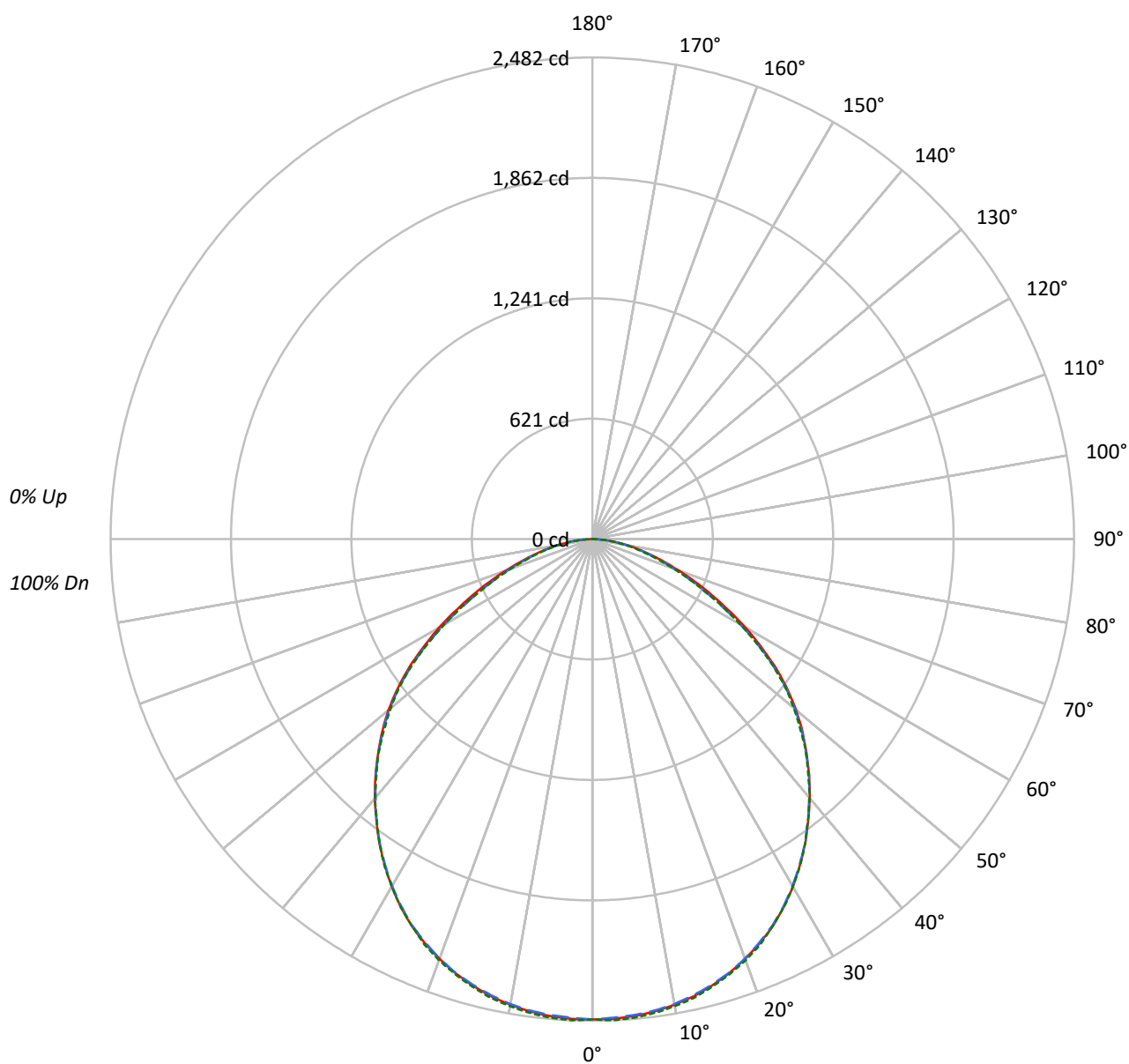
Lumens per Lamp: N/A
Luminaire Lumens: 6394.6 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 71
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	96	99	96	93	95	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	74	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	63	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	55	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	48	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	42	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	38	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	34	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	31	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6660	6660	6660
5°	6666	6651	6687
10°	6657	6647	6679
15°	6635	6622	6652
20°	6591	6585	6613
25°	6532	6522	6529
30°	6422	6409	6422
35°	6283	6274	6279
40°	6122	6102	6119
45°	5938	5920	5928
50°	5740	5712	5671
55°	5403	5340	5323
60°	4903	4738	4747
65°	4306	4090	4084
70°	3724	3555	3513
75°	3221	3101	3034
80°	2853	2813	2686
85°	2359	2439	2297

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 5959 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.7	3.7
10°-20°	672.4	10.5
20°-30°	1012.3	15.8
30°-40°	1194.8	18.7
40°-50°	1201.6	18.8
50°-60°	1014.4	15.9
60°-70°	651.5	10.2
70°-80°	324.0	5.1
80°-90°	88.8	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°	1919.4	30.0
0°-40°	3114.2	48.7
0°-60°	5330.3	83.4
0°-90°	6394.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6394.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2475	2475	2475	2475	2475	
5°	2468	2468	2462	2474	2476	235
15°	2382	2382	2377	2388	2388	672
25°	2200	2201	2196	2201	2199	1012
35°	1912	1914	1910	1912	1912	1195
45°	1560	1566	1556	1558	1558	1204
55°	1152	1151	1138	1134	1135	1024
65°	676	666	642	636	641	674
75°	310	308	298	295	292	335
85°	76	79	79	74	74	90
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2474.9	2474.9	2474.9	2474.9	2474.9
2.5°	2473.9	2474.9	2468.4	2480.1	2482.1
5°	2467.7	2468.4	2462.2	2473.9	2475.6
7.5°	2455.0	2456.0	2450.4	2461.2	2463.2
10°	2436.1	2439.0	2432.5	2442.6	2444.2
12.5°	2412.9	2413.9	2407.3	2419.1	2421.1
15°	2381.6	2382.2	2377.0	2387.8	2387.8
17.5°	2345.3	2346.3	2342.7	2351.8	2350.9
20°	2301.6	2304.2	2299.6	2305.8	2309.4
22.5°	2253.9	2254.9	2249.4	2257.5	2261.1
25°	2200.1	2200.7	2196.5	2200.7	2199.1
27.5°	2137.1	2138.7	2132.5	2137.1	2138.0
30°	2066.9	2071.5	2062.6	2066.2	2066.9
32.5°	1991.5	1994.1	1987.9	1988.9	1993.4
35°	1912.5	1913.5	1909.9	1911.5	1911.5
37.5°	1827.3	1830.9	1825.3	1827.9	1824.4
40°	1742.8	1739.2	1737.2	1739.2	1741.8
42.5°	1653.6	1654.6	1652.0	1650.0	1645.8
45°	1560.3	1565.8	1555.7	1557.7	1557.7
47.5°	1468.9	1469.5	1464.3	1458.8	1455.2
50°	1371.0	1371.0	1364.4	1360.2	1354.6
52.5°	1263.9	1262.3	1255.1	1250.5	1253.1
55°	1151.6	1150.6	1138.2	1133.7	1134.6
57.5°	1028.5	1030.5	1011.6	1007.0	1007.0
60°	911.0	901.9	880.4	874.2	882.0
62.5°	787.6	776.9	753.7	753.7	759.9
65°	676.3	666.5	642.4	635.9	641.4
67.5°	572.2	563.1	540.9	537.3	538.9
70°	473.3	465.5	451.8	443.6	446.5
72.5°	388.1	380.9	371.8	365.6	362.0
75°	309.8	308.1	298.3	295.4	291.8
77.5°	245.1	244.5	236.3	232.7	229.1
80°	184.1	183.1	181.5	175.9	173.3
82.5°	131.2	131.2	130.2	125.7	123.1
85°	76.4	79.0	79.0	74.4	74.4
87.5°	30.7	32.3	30.7	30.7	29.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)