

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: P1050394

Luminaire Tested: PTR-14-80-PR1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050394
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PR1-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

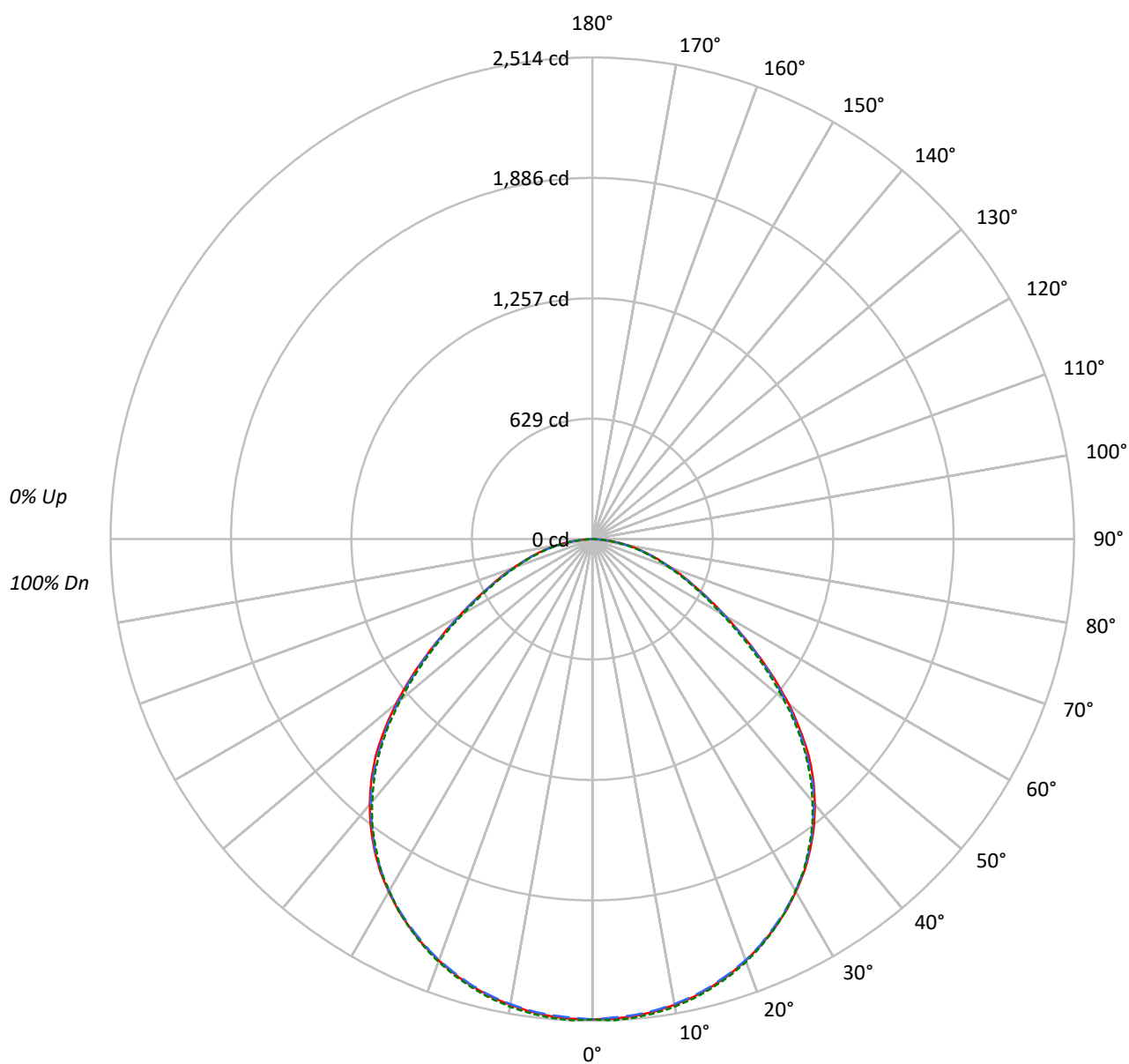
Lumens per Lamp: N/A
Luminaire Lumens: 6338.9 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
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	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6745	6745	6745
5°	6751	6736	6773
10°	6745	6734	6771
15°	6733	6723	6755
20°	6705	6696	6722
25°	6661	6645	6669
30°	6602	6594	6586
35°	6511	6496	6469
40°	6347	6321	6277
45°	6082	6013	5970
50°	5596	5533	5465
55°	4952	4931	4835
60°	4304	4288	4172
65°	3793	3770	3696
70°	3441	3393	3323
75°	3187	3112	3055
80°	2909	2868	2772
85°	2297	2279	2186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6082 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.7	3.8
10°-20°	682.4	10.8
20°-30°	1033.8	16.3
30°-40°	1234.2	19.5
40°-50°	1213.7	19.1
50°-60°	938.1	14.8
60°-70°	591.5	9.3
70°-80°	320.0	5.0
80°-90°	87.4	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°	1954.0	30.8
0°-40°	3188.2	50.3
0°-60°	5340.0	84.2
0°-90°	6338.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6338.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2506	2506	2506	2506	2506	
5°	2499	2500	2494	2504	2508	238
15°	2417	2417	2413	2421	2425	682
25°	2243	2245	2238	2245	2246	1034
35°	1982	1983	1977	1975	1969	1237
45°	1598	1592	1580	1568	1569	1224
55°	1056	1064	1051	1034	1030	947
65°	596	597	592	582	580	599
75°	306	303	299	301	294	326
85°	74	75	74	74	71	89
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2506.5	2506.5	2506.5	2506.5	2506.5
2.5°	2505.5	2506.5	2499.3	2511.1	2513.7
5°	2499.3	2500.3	2493.8	2504.5	2507.5
7.5°	2486.6	2488.5	2482.3	2493.1	2495.7
10°	2468.6	2470.6	2464.4	2475.2	2477.8
12.5°	2446.4	2447.1	2441.9	2451.7	2454.3
15°	2416.7	2417.4	2413.1	2421.0	2424.6
17.5°	2382.5	2383.4	2377.2	2387.0	2388.7
20°	2341.3	2342.0	2338.4	2346.5	2347.5
22.5°	2295.3	2297.3	2291.7	2298.9	2299.9
25°	2243.4	2245.0	2237.9	2245.0	2246.0
27.5°	2188.6	2189.2	2183.0	2188.6	2187.6
30°	2124.6	2130.1	2122.0	2120.0	2119.4
32.5°	2058.3	2059.0	2051.1	2049.2	2052.8
35°	1982.0	1982.6	1977.4	1974.8	1969.2
37.5°	1898.4	1898.4	1888.3	1886.6	1885.7
40°	1806.7	1805.7	1799.5	1793.3	1786.8
42.5°	1706.8	1708.7	1696.0	1685.2	1683.6
45°	1598.1	1591.9	1580.1	1567.7	1568.7
47.5°	1469.8	1471.4	1455.5	1445.3	1442.7
50°	1336.6	1336.6	1321.6	1310.9	1305.3
52.5°	1197.6	1198.6	1184.2	1169.8	1166.9
55°	1055.6	1064.4	1051.0	1034.1	1030.5
57.5°	922.8	929.9	917.2	899.3	898.3
60°	799.7	800.4	796.8	779.8	775.2
62.5°	694.6	690.0	688.1	679.3	673.7
65°	595.7	596.7	592.1	582.0	580.4
67.5°	515.7	514.7	506.6	500.4	496.8
70°	437.4	434.8	431.2	426.0	422.4
72.5°	367.5	367.5	364.6	363.0	356.8
75°	306.5	302.9	299.3	300.9	293.8
77.5°	248.1	244.5	241.5	238.0	236.3
80°	187.7	184.1	185.1	179.5	178.9
82.5°	130.2	130.2	128.6	124.0	125.0
85°	74.4	75.4	73.8	74.4	70.8
87.5°	27.1	27.7	29.7	27.7	27.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)