

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: P1050228

Luminaire Tested: PTR-14-70-PL1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050228
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-70-PL1-L840-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

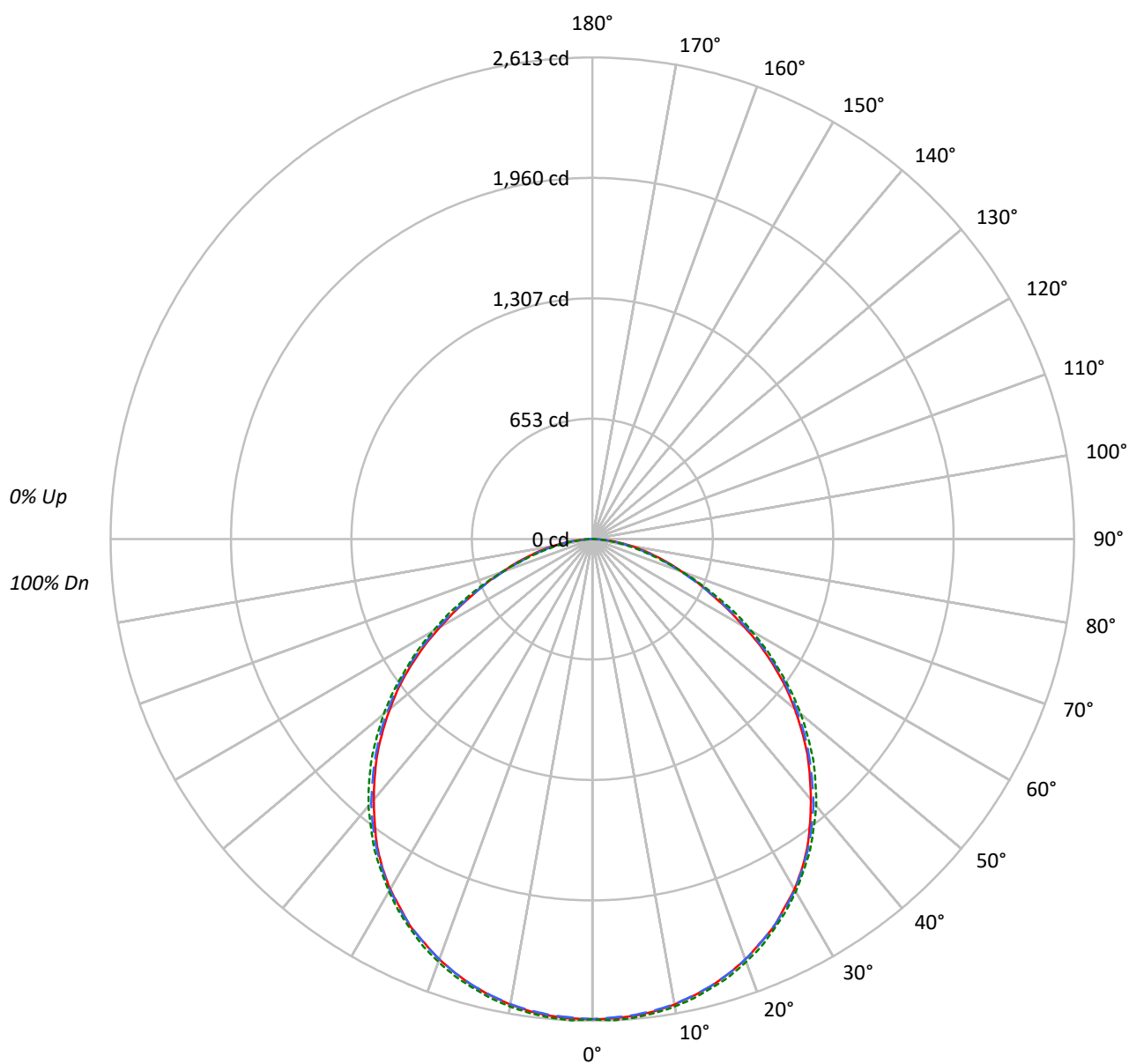
Lumens per Lamp: N/A
Luminaire Lumens: 6865.0 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 63
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

TEST NUMBER: P1050228

CATALOG NUMBER: PTR-14-70-PL1-L840-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050228

CATALOG NUMBER: PTR-14-70-PL1-L840-UNV-STD-W

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7008	7008	7008
5°	7014	7001	7040
10°	7005	6998	7037
15°	6984	6981	7016
20°	6949	6949	6988
25°	6902	6893	6930
30°	6815	6824	6857
35°	6685	6710	6765
40°	6477	6552	6636
45°	6275	6327	6449
50°	5999	6064	6184
55°	5651	5741	5808
60°	5125	5234	5365
65°	4552	4601	4786
70°	4069	3986	4086
75°	3671	3459	3391
80°	3336	3096	2749
85°	2825	2566	2208

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6449 cd/sqm

TEST NUMBER: P1050228

CATALOG NUMBER: PTR-14-70-PL1-L840-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.0	3.6
10°-20°	708.5	10.3
20°-30°	1071.8	15.6
30°-40°	1277.5	18.6
40°-50°	1284.6	18.7
50°-60°	1090.2	15.9
60°-70°	725.9	10.6
70°-80°	362.4	5.3
80°-90°	97.0	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°	2027.3	29.5
0°-40°	3304.8	48.1
0°-60°	5679.7	82.7
0°-90°	6865.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6865.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2604	2604	2604	2604	2604	
5°	2597	2597	2592	2603	2606	247
15°	2507	2510	2506	2516	2518	707
25°	2325	2325	2321	2332	2334	1069
35°	2035	2037	2043	2057	2059	1269
45°	1649	1652	1663	1685	1694	1269
55°	1204	1213	1224	1235	1238	1073
65°	715	721	723	734	752	717
75°	353	348	333	325	326	379
85°	92	90	83	78	72	106
90°	0	0	0	0	0	

TEST NUMBER: P1050228

CATALOG NUMBER: PTR-14-70-PL1-L840-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2604.4	2604.4	2604.4	2604.4	2604.4
2.5°	2602.3	2604.4	2597.3	2610.0	2613.1
5°	2596.6	2597.3	2591.7	2603.3	2606.1
7.5°	2584.0	2585.1	2579.1	2591.7	2593.5
10°	2563.7	2565.8	2560.9	2572.4	2575.3
12.5°	2537.7	2540.5	2535.6	2548.3	2550.4
15°	2506.9	2509.7	2505.8	2516.4	2518.5
17.5°	2469.0	2471.1	2469.0	2478.8	2484.4
20°	2426.6	2426.6	2426.6	2435.4	2440.3
22.5°	2373.7	2378.6	2376.5	2388.0	2392.9
25°	2324.6	2324.6	2321.4	2332.3	2334.0
27.5°	2255.8	2263.6	2262.9	2272.3	2274.4
30°	2193.1	2195.2	2196.2	2202.9	2206.8
32.5°	2117.0	2118.8	2121.9	2131.4	2132.4
35°	2035.0	2037.1	2042.7	2057.0	2059.2
37.5°	1939.6	1950.1	1955.0	1970.4	1972.2
40°	1843.9	1850.5	1865.3	1881.4	1889.1
42.5°	1746.4	1754.1	1762.9	1785.0	1792.0
45°	1648.9	1651.7	1662.6	1684.7	1694.5
47.5°	1540.9	1549.7	1559.2	1578.5	1584.4
50°	1433.0	1442.4	1448.4	1465.6	1477.1
52.5°	1323.9	1332.7	1339.3	1349.9	1361.4
55°	1204.4	1212.8	1223.6	1235.2	1238.0
57.5°	1082.7	1092.2	1099.2	1111.4	1124.1
60°	952.3	963.1	972.6	984.2	996.8
62.5°	831.0	835.5	845.3	864.6	882.8
65°	714.9	720.9	722.6	733.5	751.7
67.5°	618.5	618.5	609.7	613.6	633.9
70°	517.2	513.3	506.6	502.8	519.3
72.5°	435.1	430.2	415.8	409.2	417.9
75°	353.1	348.2	332.7	325.0	326.1
77.5°	283.6	275.9	263.3	250.0	247.2
80°	215.3	212.1	199.8	187.2	177.4
82.5°	152.5	145.9	138.8	131.1	123.4
85°	91.5	89.8	83.1	78.2	71.5
87.5°	37.5	37.5	35.8	33.7	31.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)