

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: P1050375

Luminaire Tested: PTR-14-70-PR1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050375
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-14-70-PR1-L840-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

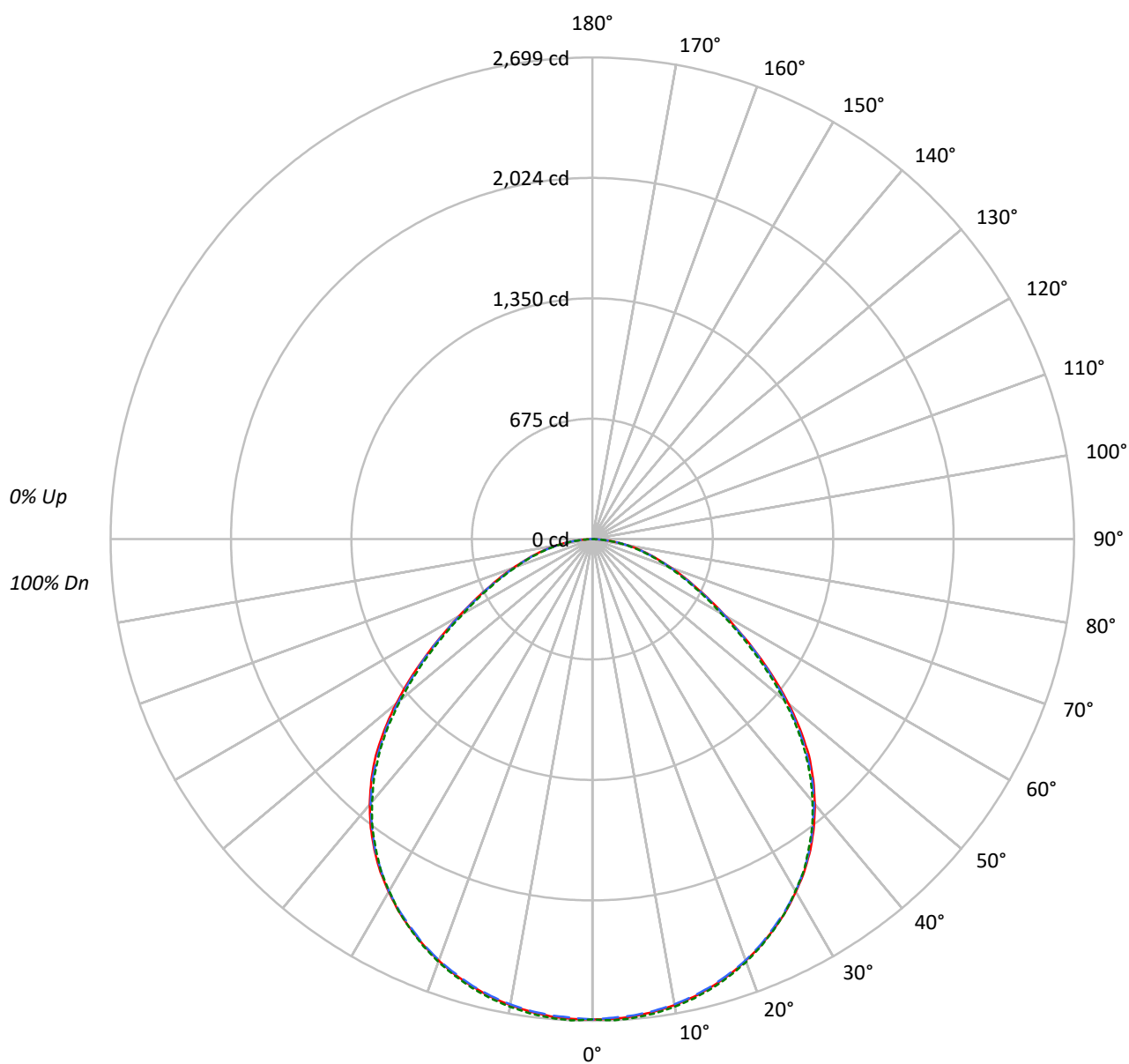
Lumens per Lamp: N/A
Luminaire Lumens: 6807.3 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1050375

CATALOG NUMBER: PTR-14-70-PR1-L840-UNV-STD-W

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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	88	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7243	7243	7243
5°	7250	7234	7274
10°	7244	7232	7271
15°	7230	7220	7254
20°	7200	7191	7219
25°	7153	7136	7162
30°	7090	7081	7072
35°	6992	6976	6947
40°	6816	6789	6740
45°	6531	6458	6411
50°	6009	5942	5869
55°	5318	5295	5192
60°	4622	4605	4480
65°	4073	4049	3968
70°	3696	3644	3569
75°	3422	3342	3280
80°	3124	3081	2977
85°	2467	2445	2350

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6531 cd/sqm

TEST NUMBER: P1050375

CATALOG NUMBER: PTR-14-70-PR1-L840-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.3	3.8
10°-20°	732.9	10.8
20°-30°	1110.3	16.3
30°-40°	1325.4	19.5
40°-50°	1303.4	19.1
50°-60°	1007.4	14.8
60°-70°	635.2	9.3
70°-80°	343.6	5.0
80°-90°	93.9	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°	2098.4	30.8
0°-40°	3423.8	50.3
0°-60°	5734.6	84.2
0°-90°	6807.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6807.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2692	2692	2692	2692	2692	
5°	2684	2685	2678	2690	2693	255
15°	2595	2596	2592	2600	2604	732
25°	2409	2411	2403	2411	2412	1110
35°	2128	2129	2124	2121	2115	1329
45°	1716	1710	1697	1684	1685	1314
55°	1134	1143	1129	1110	1107	1017
65°	640	641	636	625	623	644
75°	329	325	321	323	316	350
85°	80	81	79	80	76	95
90°	0	0	0	0	0	

TEST NUMBER: P1050375

CATALOG NUMBER: PTR-14-70-PR1-L840-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2691.7	2691.7	2691.7	2691.7	2691.7
2.5°	2690.7	2691.7	2684.0	2696.6	2699.4
5°	2684.0	2685.1	2678.1	2689.6	2692.8
7.5°	2670.3	2672.5	2665.8	2677.4	2680.2
10°	2651.1	2653.2	2646.5	2658.1	2660.9
12.5°	2627.2	2627.9	2622.3	2632.8	2635.6
15°	2595.3	2596.0	2591.5	2599.9	2603.7
17.5°	2558.5	2559.6	2552.9	2563.4	2565.2
20°	2514.4	2515.1	2511.2	2520.0	2521.0
22.5°	2464.9	2467.0	2461.1	2468.8	2469.8
25°	2409.2	2411.0	2403.2	2411.0	2412.0
27.5°	2350.3	2351.0	2344.4	2350.3	2349.3
30°	2281.6	2287.6	2278.8	2276.7	2276.0
32.5°	2210.5	2211.2	2202.7	2200.6	2204.5
35°	2128.4	2129.1	2123.5	2120.7	2114.8
37.5°	2038.7	2038.7	2027.8	2026.1	2025.0
40°	1940.2	1939.1	1932.5	1925.8	1918.8
42.5°	1832.9	1835.0	1821.4	1809.8	1808.0
45°	1716.2	1709.5	1696.9	1683.6	1684.7
47.5°	1578.4	1580.2	1563.0	1552.2	1549.3
50°	1435.4	1435.4	1419.3	1407.7	1401.8
52.5°	1286.1	1287.2	1271.7	1256.3	1253.2
55°	1133.6	1143.1	1128.7	1110.5	1106.6
57.5°	991.0	998.7	985.0	965.7	964.7
60°	858.8	859.5	855.6	837.4	832.5
62.5°	745.9	741.0	738.9	729.5	723.5
65°	639.7	640.8	635.9	625.0	623.2
67.5°	553.8	552.8	544.0	537.4	533.5
70°	469.7	466.9	463.1	457.4	453.6
72.5°	394.7	394.7	391.5	389.8	383.1
75°	329.1	325.3	321.4	323.2	315.5
77.5°	266.4	262.5	259.4	255.5	253.8
80°	201.6	197.7	198.8	192.8	192.1
82.5°	139.9	139.9	138.1	133.2	134.3
85°	79.9	81.0	79.2	79.9	76.1
87.5°	29.1	29.8	31.9	29.8	29.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)