

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: P1050326

Luminaire Tested: PTR-14-70-PP3-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050326
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-14-70-PP3-L840-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

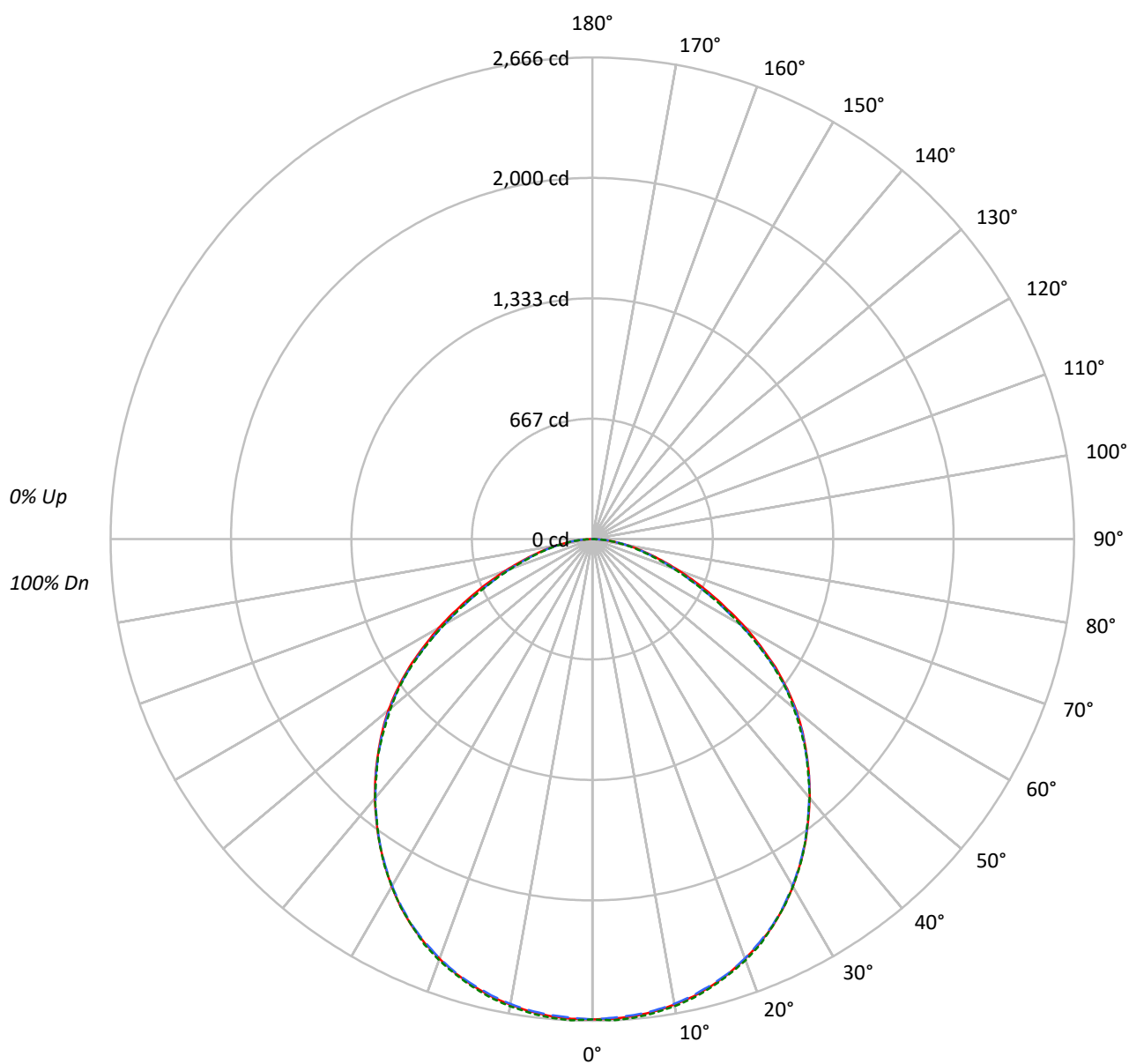
Lumens per Lamp: N/A
Luminaire Lumens: 6867.8 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7153	7153	7153
5°	7159	7143	7182
10°	7149	7139	7173
15°	7126	7112	7144
20°	7079	7073	7103
25°	7016	7004	7013
30°	6898	6884	6898
35°	6748	6738	6744
40°	6575	6554	6571
45°	6377	6359	6367
50°	6164	6135	6091
55°	5803	5735	5717
60°	5266	5089	5098
65°	4625	4393	4387
70°	3999	3818	3773
75°	3459	3331	3258
80°	3064	3020	2885
85°	2532	2618	2467

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 6400 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.1	3.7
10°-20°	722.2	10.5
20°-30°	1087.2	15.8
30°-40°	1283.2	18.7
40°-50°	1290.6	18.8
50°-60°	1089.5	15.9
60°-70°	699.7	10.2
70°-80°	348.0	5.1
80°-90°	95.4	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°	2061.5	30.0
0°-40°	3344.7	48.7
0°-60°	5724.8	83.4
0°-90°	6867.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6867.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2658	2658	2658	2658	2658	
5°	2650	2651	2644	2657	2659	252
15°	2558	2558	2553	2564	2564	722
25°	2363	2364	2359	2364	2362	1087
35°	2054	2055	2051	2053	2053	1284
45°	1676	1682	1671	1673	1673	1293
55°	1237	1236	1222	1218	1219	1100
65°	726	716	690	683	689	724
75°	333	331	320	317	313	360
85°	82	85	85	80	80	96
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2658.1	2658.1	2658.1	2658.1	2658.1
2.5°	2657.0	2658.1	2651.1	2663.7	2665.8
5°	2650.4	2651.1	2644.4	2657.0	2658.8
7.5°	2636.7	2637.8	2631.8	2643.4	2645.5
10°	2616.4	2619.5	2612.5	2623.4	2625.1
12.5°	2591.5	2592.5	2585.5	2598.1	2600.2
15°	2557.8	2558.5	2552.9	2564.5	2564.5
17.5°	2518.9	2520.0	2516.1	2525.9	2524.9
20°	2471.9	2474.7	2469.8	2476.5	2480.3
22.5°	2420.7	2421.8	2415.8	2424.6	2428.5
25°	2362.9	2363.6	2359.0	2363.6	2361.8
27.5°	2295.2	2297.0	2290.3	2295.2	2296.3
30°	2219.9	2224.8	2215.3	2219.2	2219.9
32.5°	2138.9	2141.7	2135.0	2136.1	2141.0
35°	2054.0	2055.1	2051.2	2053.0	2053.0
37.5°	1962.5	1966.4	1960.4	1963.2	1959.4
40°	1871.7	1867.9	1865.8	1867.9	1870.7
42.5°	1776.0	1777.1	1774.3	1772.2	1767.6
45°	1675.8	1681.7	1670.9	1673.0	1673.0
47.5°	1577.6	1578.3	1572.7	1566.7	1562.9
50°	1472.4	1472.4	1465.4	1460.9	1454.9
52.5°	1357.4	1355.7	1348.0	1343.1	1345.9
55°	1236.8	1235.8	1222.5	1217.6	1218.6
57.5°	1104.7	1106.8	1086.4	1081.5	1081.5
60°	978.5	968.6	945.5	938.8	947.3
62.5°	845.9	834.4	809.5	809.5	816.1
65°	726.4	715.9	689.9	682.9	688.9
67.5°	614.6	604.7	580.9	577.1	578.8
70°	508.3	499.9	485.2	476.4	479.6
72.5°	416.8	409.1	399.3	392.6	388.8
75°	332.7	330.9	320.4	317.3	313.4
77.5°	263.3	262.6	253.8	250.0	246.1
80°	197.7	196.7	194.9	189.0	186.2
82.5°	140.9	140.9	139.9	135.0	132.2
85°	82.0	84.8	84.8	79.9	79.9
87.5°	33.0	34.7	33.0	33.0	31.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)