

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: P1050424

Luminaire Tested: PTR-14-70-PW1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050424
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-70-PW1-L840-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

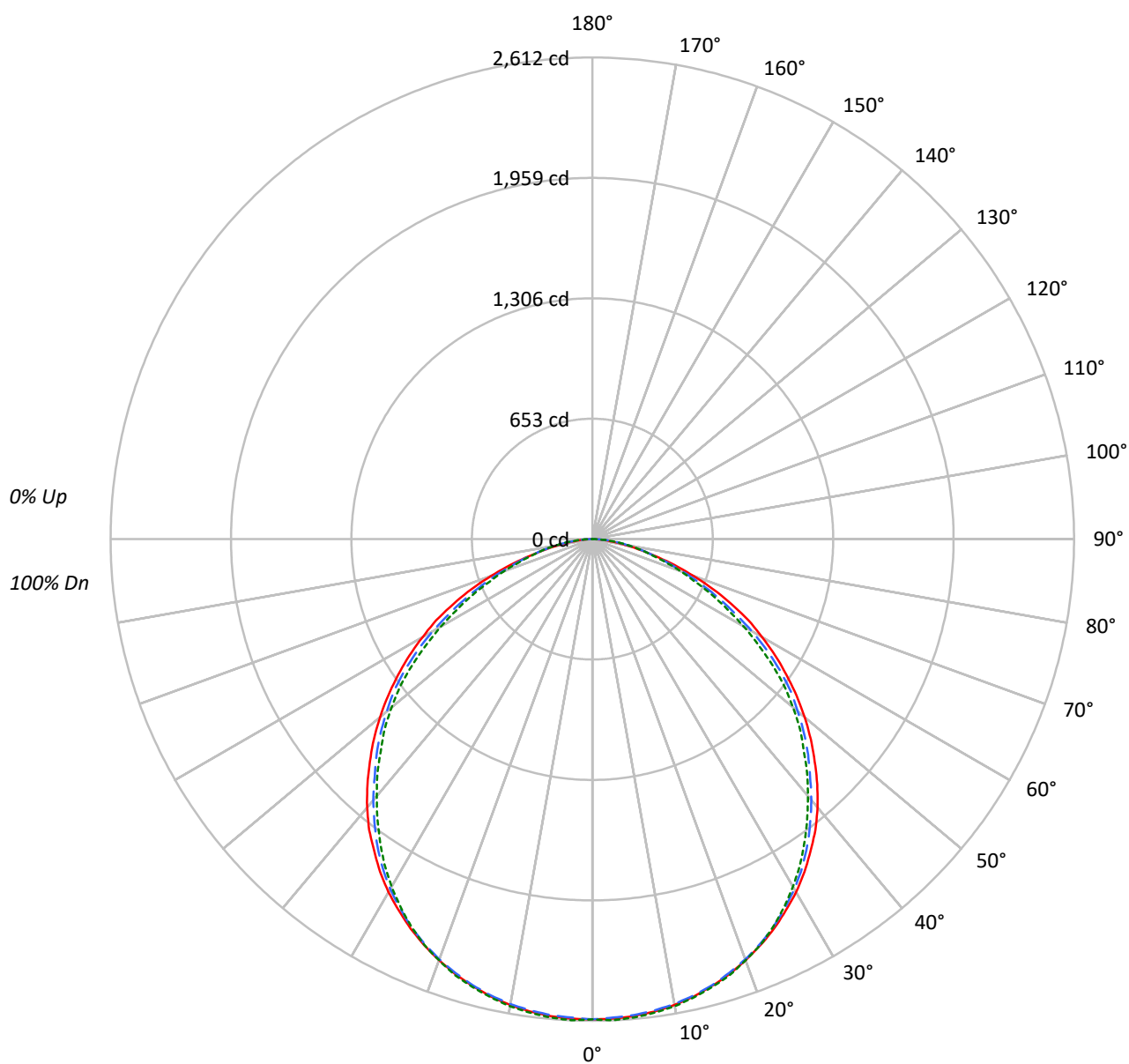
Lumens per Lamp: N/A
Luminaire Lumens: 6910.1 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7007	7007	7007
5°	7013	6998	7034
10°	7010	6994	7029
15°	6988	6978	7004
20°	6960	6944	6960
25°	6921	6892	6887
30°	6869	6809	6761
35°	6777	6674	6589
40°	6673	6490	6388
45°	6488	6296	6168
50°	6292	6087	5946
55°	6030	5826	5594
60°	5717	5379	5098
65°	5288	4804	4565
70°	4585	4182	4024
75°	3660	3580	3481
80°	2782	3107	3107
85°	2056	2652	2652

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6488 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.9	3.6
10°-20°	708.3	10.2
20°-30°	1070.4	15.5
30°-40°	1271.0	18.4
40°-50°	1280.5	18.5
50°-60°	1106.9	16.0
60°-70°	756.5	10.9
70°-80°	373.0	5.4
80°-90°	96.5	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°	2025.7	29.3
0°-40°	3296.7	47.7
0°-60°	5684.1	82.3
0°-90°	6910.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6910.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2604	2604	2604	2604	2604	
5°	2596	2597	2590	2601	2604	247
15°	2508	2511	2505	2513	2514	708
25°	2331	2329	2321	2323	2320	1074
35°	2063	2056	2032	2013	2006	1291
45°	1705	1686	1654	1635	1621	1316
55°	1285	1281	1242	1205	1192	1149
65°	830	801	754	722	717	820
75°	352	349	344	344	335	384
85°	67	78	86	88	86	82
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2603.8	2603.8	2603.8	2603.8	2603.8
2.5°	2603.1	2603.8	2597.2	2608.7	2611.5
5°	2596.1	2597.2	2590.5	2601.0	2603.8
7.5°	2583.9	2585.6	2577.9	2588.4	2590.5
10°	2565.3	2566.3	2559.7	2570.2	2572.3
12.5°	2540.4	2541.1	2535.5	2544.9	2544.9
15°	2508.5	2511.3	2504.6	2513.4	2514.1
17.5°	2472.7	2473.8	2467.1	2476.6	2478.7
20°	2430.3	2430.3	2424.7	2432.4	2430.3
22.5°	2383.0	2383.0	2376.3	2380.2	2381.9
25°	2331.1	2329.0	2321.3	2323.4	2319.5
27.5°	2271.1	2271.1	2257.5	2257.5	2250.8
30°	2210.5	2205.6	2191.2	2182.4	2175.8
32.5°	2140.7	2134.0	2115.8	2100.4	2095.5
35°	2062.9	2055.9	2031.7	2013.4	2005.7
37.5°	1987.5	1972.1	1940.2	1921.9	1913.2
40°	1899.5	1880.2	1847.6	1822.4	1818.5
42.5°	1805.2	1789.8	1747.3	1728.8	1724.2
45°	1704.9	1686.3	1654.4	1635.2	1620.8
47.5°	1606.4	1592.7	1556.3	1533.1	1528.2
50°	1503.0	1491.4	1453.9	1429.0	1420.2
52.5°	1396.1	1388.3	1356.4	1324.5	1314.0
55°	1285.3	1281.4	1241.8	1205.0	1192.4
57.5°	1176.2	1171.3	1121.9	1079.5	1067.9
60°	1062.3	1047.9	999.5	959.9	947.3
62.5°	954.3	923.5	871.2	840.4	826.0
65°	830.5	800.7	754.5	721.5	717.0
67.5°	709.2	673.5	637.7	617.4	602.0
70°	582.7	558.5	531.5	514.3	511.5
72.5°	464.9	447.7	434.0	423.5	414.7
75°	352.0	349.2	344.3	344.3	334.8
77.5°	258.7	265.4	269.3	268.2	270.3
80°	179.5	192.8	200.5	201.6	200.5
82.5°	113.9	129.4	142.0	143.7	145.8
85°	66.6	78.2	85.9	87.6	85.9
87.5°	29.8	37.5	39.6	41.4	39.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)