

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: P1050421

Luminaire Tested: PTR-14-70-PW1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050421
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-L835-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

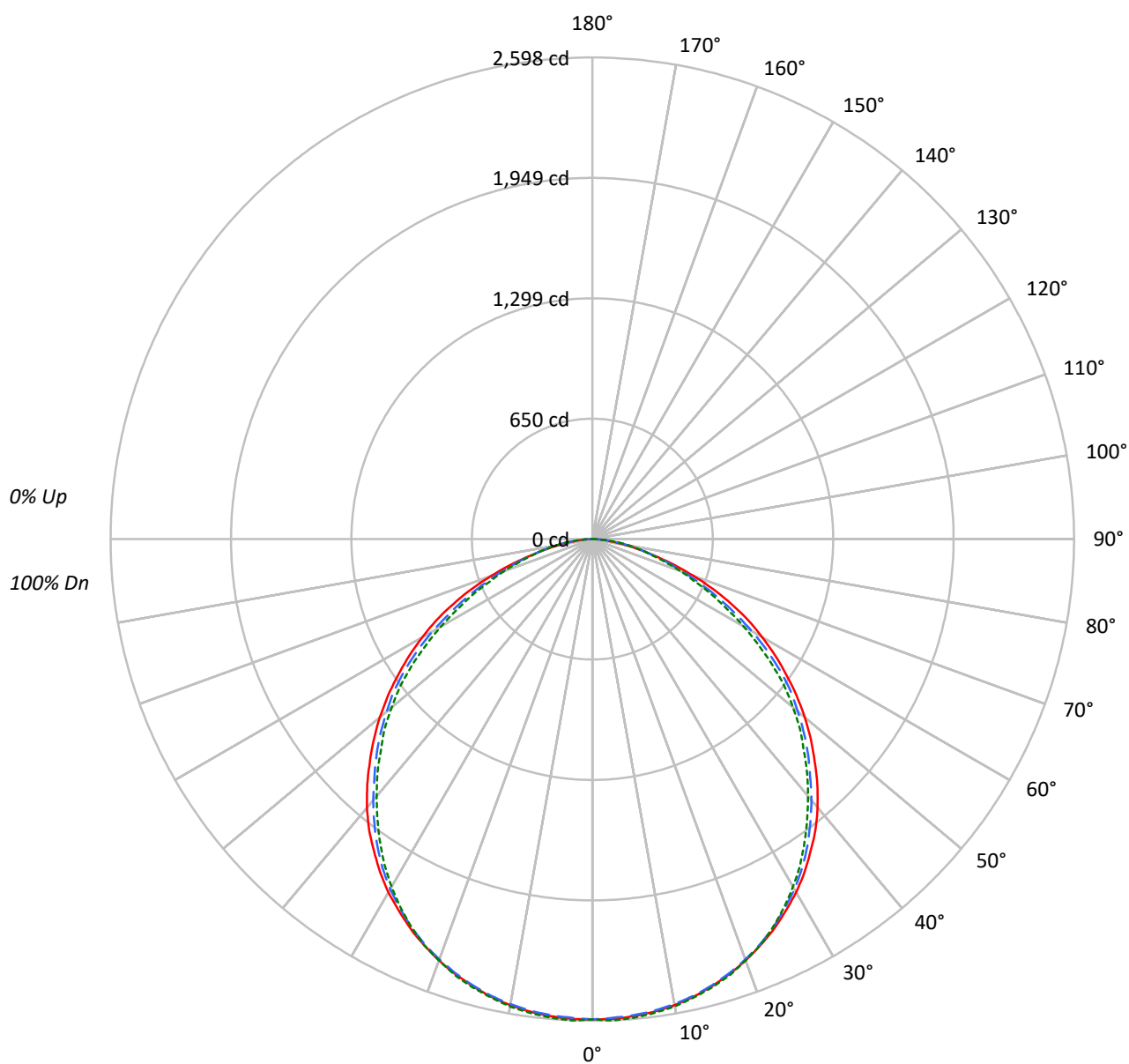
Lumens per Lamp: N/A
Luminaire Lumens: 6875.6 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	6972	6972	6972
5°	6978	6963	6998
10°	6974	6959	6994
15°	6953	6943	6969
20°	6925	6909	6925
25°	6887	6858	6853
30°	6834	6774	6727
35°	6743	6641	6556
40°	6639	6458	6356
45°	6456	6265	6137
50°	6261	6056	5916
55°	6000	5797	5566
60°	5689	5352	5073
65°	5262	4780	4543
70°	4562	4161	4005
75°	3641	3562	3463
80°	2768	3092	3092
85°	2047	2640	2640

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6456 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.7	3.6
10°-20°	704.7	10.2
20°-30°	1065.1	15.5
30°-40°	1264.7	18.4
40°-50°	1274.1	18.5
50°-60°	1101.3	16.0
60°-70°	752.7	10.9
70°-80°	371.2	5.4
80°-90°	96.0	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°	2015.5	29.3
0°-40°	3280.2	47.7
0°-60°	5655.7	82.3
0°-90°	6875.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6875.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2591	2591	2591	2591	2591	
5°	2583	2584	2578	2588	2591	246
15°	2496	2499	2492	2501	2502	705
25°	2319	2317	2310	2312	2308	1068
35°	2053	2046	2022	2003	1996	1285
45°	1696	1678	1646	1627	1613	1309
55°	1279	1275	1236	1199	1186	1143
65°	826	797	751	718	713	816
75°	350	347	343	343	333	382
85°	66	78	86	87	86	81
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2590.8	2590.8	2590.8	2590.8	2590.8
2.5°	2590.1	2590.8	2584.2	2595.7	2598.5
5°	2583.1	2584.2	2577.6	2588.0	2590.8
7.5°	2570.9	2572.7	2565.0	2575.5	2577.6
10°	2552.4	2553.5	2546.9	2557.3	2559.4
12.5°	2527.7	2528.4	2522.8	2532.2	2532.2
15°	2495.9	2498.7	2492.1	2500.8	2501.5
17.5°	2460.3	2461.4	2454.8	2464.2	2466.3
20°	2418.1	2418.1	2412.6	2420.2	2418.1
22.5°	2371.0	2371.0	2364.4	2368.3	2370.0
25°	2319.4	2317.3	2309.6	2311.7	2307.9
27.5°	2259.8	2259.8	2246.2	2246.2	2239.5
30°	2199.4	2194.5	2180.2	2171.5	2164.9
32.5°	2130.0	2123.4	2105.2	2089.9	2085.0
35°	2052.6	2045.6	2021.5	2003.4	1995.7
37.5°	1977.6	1962.2	1930.5	1912.3	1903.6
40°	1890.0	1870.8	1838.4	1813.3	1809.4
42.5°	1796.2	1780.8	1738.6	1720.1	1715.6
45°	1696.4	1677.9	1646.2	1627.0	1612.7
47.5°	1598.4	1584.8	1548.5	1525.5	1520.6
50°	1495.5	1484.0	1446.6	1421.9	1413.1
52.5°	1389.1	1381.4	1349.6	1317.9	1307.4
55°	1278.8	1275.0	1235.6	1199.0	1186.4
57.5°	1170.3	1165.5	1116.3	1074.1	1062.6
60°	1057.0	1042.7	994.5	955.1	942.6
62.5°	949.5	918.8	866.9	836.2	821.9
65°	826.4	796.7	750.7	717.9	713.4
67.5°	705.7	670.1	634.5	614.3	599.0
70°	579.8	555.7	528.8	511.7	509.0
72.5°	462.6	445.5	431.9	421.4	412.7
75°	350.2	347.4	342.6	342.6	333.1
77.5°	257.4	264.1	267.9	266.9	269.0
80°	178.6	191.9	199.5	200.6	199.5
82.5°	113.4	128.7	141.3	143.0	145.1
85°	66.3	77.8	85.5	87.2	85.5
87.5°	29.7	37.3	39.4	41.2	39.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)