

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: P1050418

Luminaire Tested: PTR-14-70-PW1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050418
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-L830-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

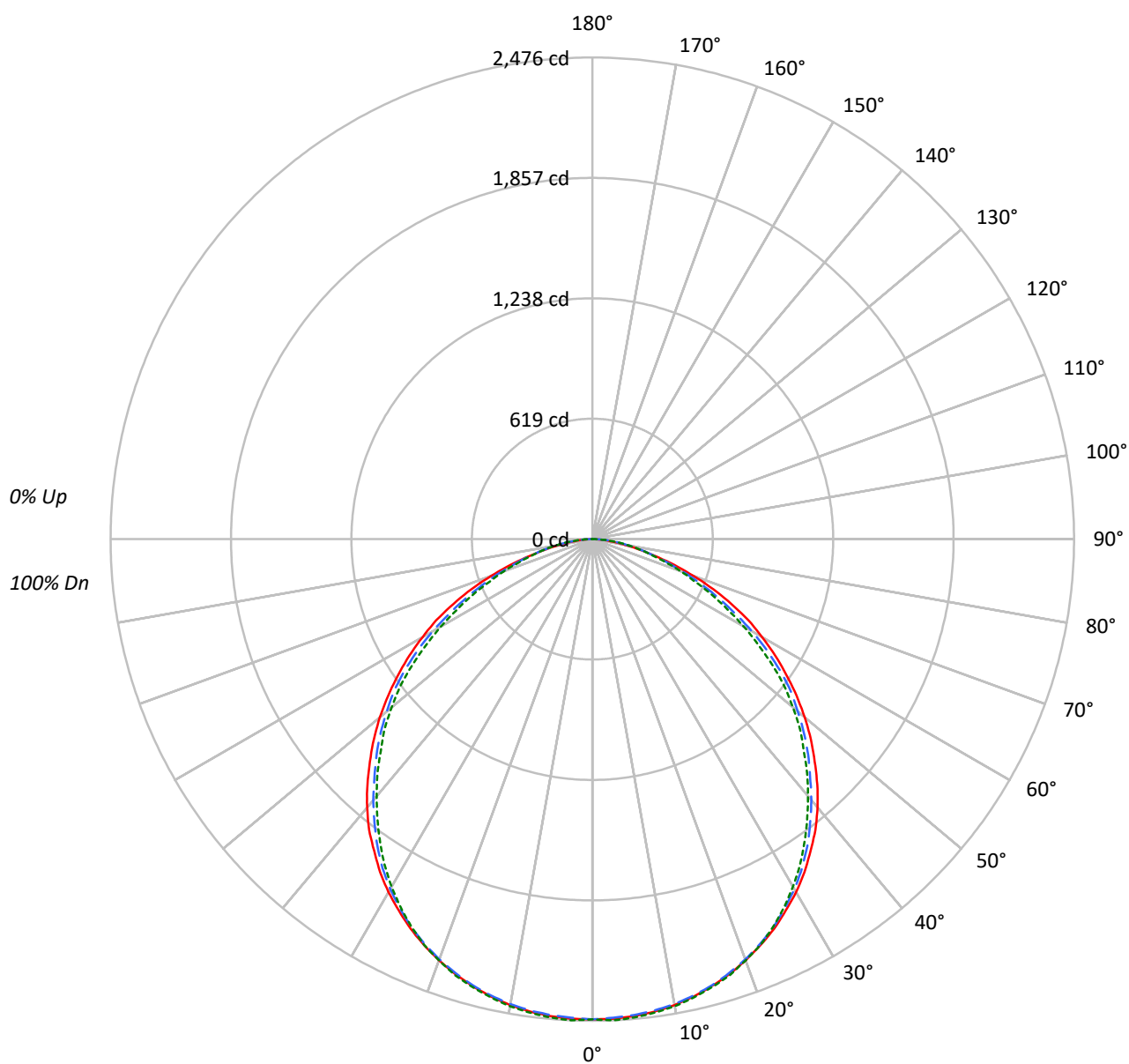
Lumens per Lamp: N/A
Luminaire Lumens: 6551.1 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	6643	6643	6643
5°	6648	6634	6668
10°	6645	6631	6663
15°	6625	6615	6640
20°	6598	6583	6598
25°	6562	6534	6529
30°	6512	6455	6409
35°	6425	6327	6247
40°	6326	6153	6056
45°	6151	5969	5848
50°	5965	5771	5637
55°	5717	5523	5303
60°	5420	5100	4834
65°	5014	4555	4328
70°	4346	3965	3815
75°	3470	3394	3300
80°	2638	2946	2946
85°	1951	2513	2513

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6151 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.1	3.6
10°-20°	671.5	10.2
20°-30°	1014.8	15.5
30°-40°	1205.0	18.4
40°-50°	1214.0	18.5
50°-60°	1049.4	16.0
60°-70°	717.2	10.9
70°-80°	353.6	5.4
80°-90°	91.5	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°	1920.4	29.3
0°-40°	3125.4	47.7
0°-60°	5388.7	82.3
0°-90°	6551.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6551.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2468	2468	2468	2468	2468	
5°	2461	2462	2456	2466	2468	234
15°	2378	2381	2374	2383	2384	671
25°	2210	2208	2201	2203	2199	1018
35°	1956	1949	1926	1909	1902	1224
45°	1616	1599	1568	1550	1537	1247
55°	1218	1215	1177	1142	1130	1089
65°	787	759	715	684	680	777
75°	334	331	326	326	317	364
85°	63	74	81	83	81	77
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2468.5	2468.5	2468.5	2468.5	2468.5
2.5°	2467.9	2468.5	2462.2	2473.2	2475.9
5°	2461.2	2462.2	2455.9	2465.9	2468.5
7.5°	2449.6	2451.3	2443.9	2453.9	2455.9
10°	2432.0	2433.0	2426.7	2436.6	2438.6
12.5°	2408.4	2409.0	2403.7	2412.7	2412.7
15°	2378.1	2380.8	2374.5	2382.8	2383.5
17.5°	2344.2	2345.2	2338.9	2347.9	2349.9
20°	2304.0	2304.0	2298.7	2306.0	2304.0
22.5°	2259.1	2259.1	2252.8	2256.5	2258.1
25°	2210.0	2208.0	2200.6	2202.6	2199.0
27.5°	2153.1	2153.1	2140.2	2140.2	2133.8
30°	2095.6	2091.0	2077.3	2069.0	2062.7
32.5°	2029.5	2023.2	2005.9	1991.3	1986.6
35°	1955.7	1949.0	1926.1	1908.8	1901.5
37.5°	1884.2	1869.6	1839.4	1822.1	1813.8
40°	1800.8	1782.5	1751.6	1727.7	1724.0
42.5°	1711.4	1696.8	1656.6	1638.9	1634.6
45°	1616.3	1598.7	1568.5	1550.2	1536.6
47.5°	1522.9	1510.0	1475.4	1453.5	1448.8
50°	1424.9	1413.9	1378.4	1354.8	1346.4
52.5°	1323.5	1316.2	1286.0	1255.7	1245.7
55°	1218.5	1214.8	1177.3	1142.4	1130.4
57.5°	1115.1	1110.5	1063.6	1023.4	1012.4
60°	1007.1	993.5	947.6	910.0	898.1
62.5°	904.7	875.5	825.9	796.7	783.1
65°	787.4	759.1	715.3	684.0	679.7
67.5°	672.4	638.5	604.6	585.3	570.7
70°	552.4	529.5	503.9	487.6	484.9
72.5°	440.7	424.4	411.5	401.5	393.2
75°	333.7	331.0	326.4	326.4	317.4
77.5°	245.3	251.6	255.3	254.3	256.3
80°	170.2	182.8	190.1	191.1	190.1
82.5°	108.0	122.6	134.6	136.3	138.3
85°	63.2	74.1	81.4	83.1	81.4
87.5°	28.3	35.6	37.6	39.2	37.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)