

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: P1050369

Luminaire Tested: PTR-14-70-PR1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050369
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-L830-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

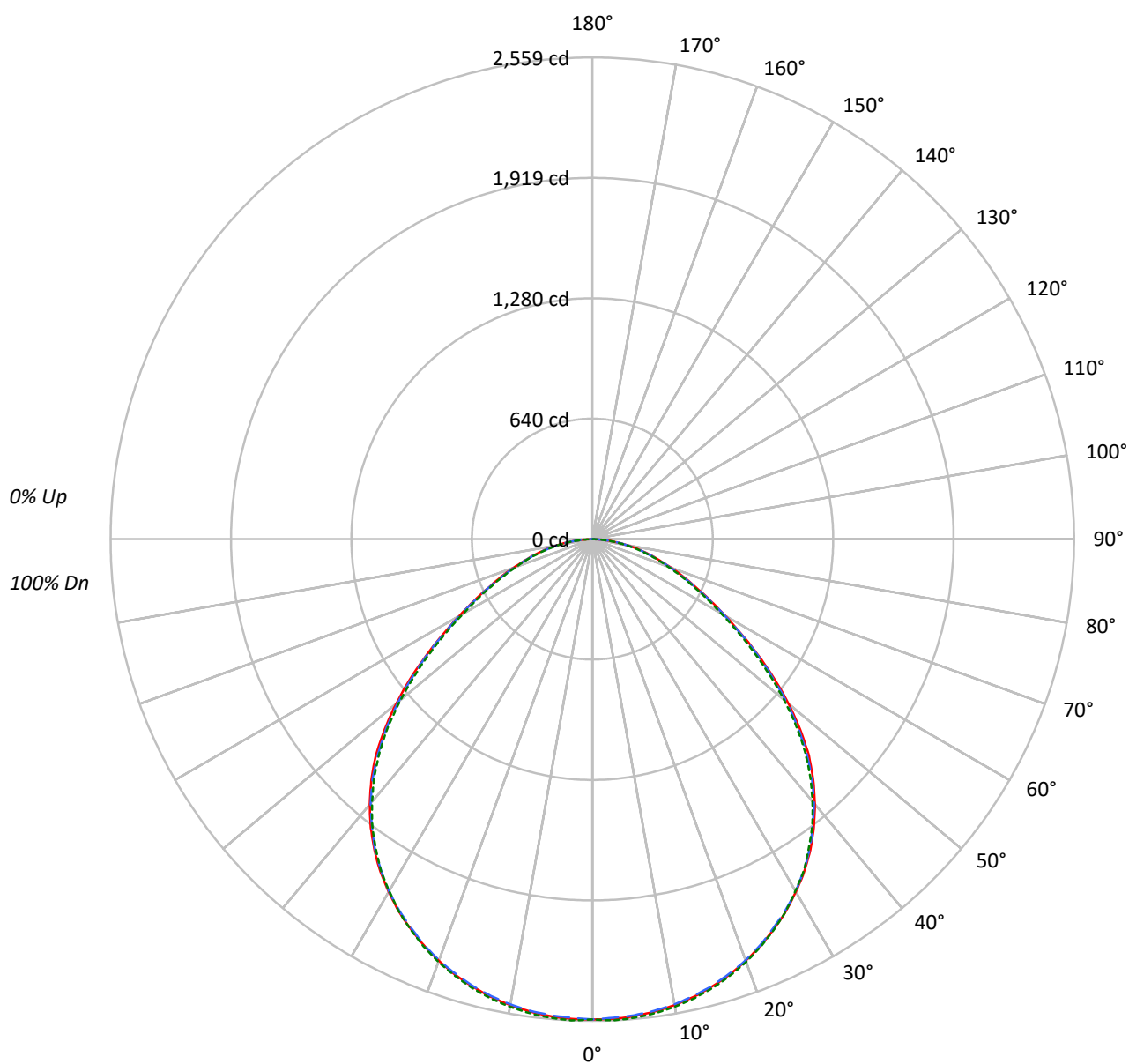
Lumens per Lamp: N/A
Luminaire Lumens: 6454.1 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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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	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°	6867	6867	6867
5°	6874	6859	6896
10°	6868	6856	6894
15°	6855	6845	6877
20°	6827	6818	6845
25°	6782	6765	6790
30°	6722	6713	6705
35°	6629	6614	6587
40°	6462	6436	6391
45°	6192	6123	6078
50°	5697	5633	5564
55°	5043	5020	4922
60°	4382	4366	4248
65°	3862	3839	3762
70°	3504	3454	3383
75°	3245	3169	3110
80°	2961	2920	2822
85°	2340	2319	2226

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6192 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.1	3.8
10°-20°	694.8	10.8
20°-30°	1052.6	16.3
30°-40°	1256.6	19.5
40°-50°	1235.8	19.1
50°-60°	955.1	14.8
60°-70°	602.3	9.3
70°-80°	325.8	5.0
80°-90°	89.0	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°	1989.5	30.8
0°-40°	3246.1	50.3
0°-60°	5437.0	84.2
0°-90°	6454.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6454.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2552	2552	2552	2552	2552	
5°	2545	2546	2539	2550	2553	242
15°	2461	2461	2457	2465	2469	694
25°	2284	2286	2278	2286	2287	1053
35°	2018	2019	2013	2011	2005	1260
45°	1627	1621	1609	1596	1597	1246
55°	1075	1084	1070	1053	1049	964
65°	606	608	603	593	591	610
75°	312	308	305	306	299	332
85°	76	77	75	76	72	90
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2552.0	2552.0	2552.0	2552.0	2552.0
2.5°	2551.0	2552.0	2544.7	2556.7	2559.4
5°	2544.7	2545.7	2539.1	2550.0	2553.0
7.5°	2531.8	2533.8	2527.4	2538.4	2541.1
10°	2513.5	2515.5	2509.2	2520.1	2522.8
12.5°	2490.9	2491.6	2486.2	2496.2	2498.9
15°	2460.6	2461.3	2457.0	2465.0	2468.6
17.5°	2425.8	2426.7	2420.4	2430.4	2432.1
20°	2383.9	2384.5	2380.9	2389.2	2390.2
22.5°	2337.0	2339.0	2333.4	2340.7	2341.7
25°	2284.2	2285.8	2278.5	2285.8	2286.8
27.5°	2228.3	2229.0	2222.7	2228.3	2227.3
30°	2163.2	2168.9	2160.5	2158.5	2157.9
32.5°	2095.7	2096.4	2088.4	2086.4	2090.1
35°	2018.0	2018.6	2013.3	2010.7	2005.0
37.5°	1932.9	1932.9	1922.6	1920.9	1919.9
40°	1839.5	1838.5	1832.2	1825.9	1819.2
42.5°	1737.8	1739.8	1726.8	1715.9	1714.2
45°	1627.1	1620.8	1608.9	1596.2	1597.2
47.5°	1496.5	1498.2	1481.9	1471.6	1468.9
50°	1360.9	1360.9	1345.6	1334.7	1329.0
52.5°	1219.4	1220.4	1205.7	1191.1	1188.1
55°	1074.8	1083.8	1070.1	1052.9	1049.2
57.5°	939.5	946.8	933.9	915.6	914.6
60°	814.2	814.9	811.2	794.0	789.3
62.5°	707.2	702.6	700.6	691.6	686.0
65°	606.5	607.5	602.9	592.6	590.9
67.5°	525.1	524.1	515.8	509.5	505.8
70°	445.3	442.7	439.0	433.7	430.0
72.5°	374.2	374.2	371.2	369.6	363.2
75°	312.1	308.4	304.8	306.4	299.1
77.5°	252.6	248.9	245.9	242.3	240.6
80°	191.1	187.4	188.4	182.8	182.1
82.5°	132.6	132.6	130.9	126.3	127.3
85°	75.8	76.8	75.1	75.8	72.1
87.5°	27.6	28.2	30.2	28.2	28.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)