

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: P1050164

Luminaire Tested: PTR-14-60-PB1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050164
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-60-PB1-L830-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

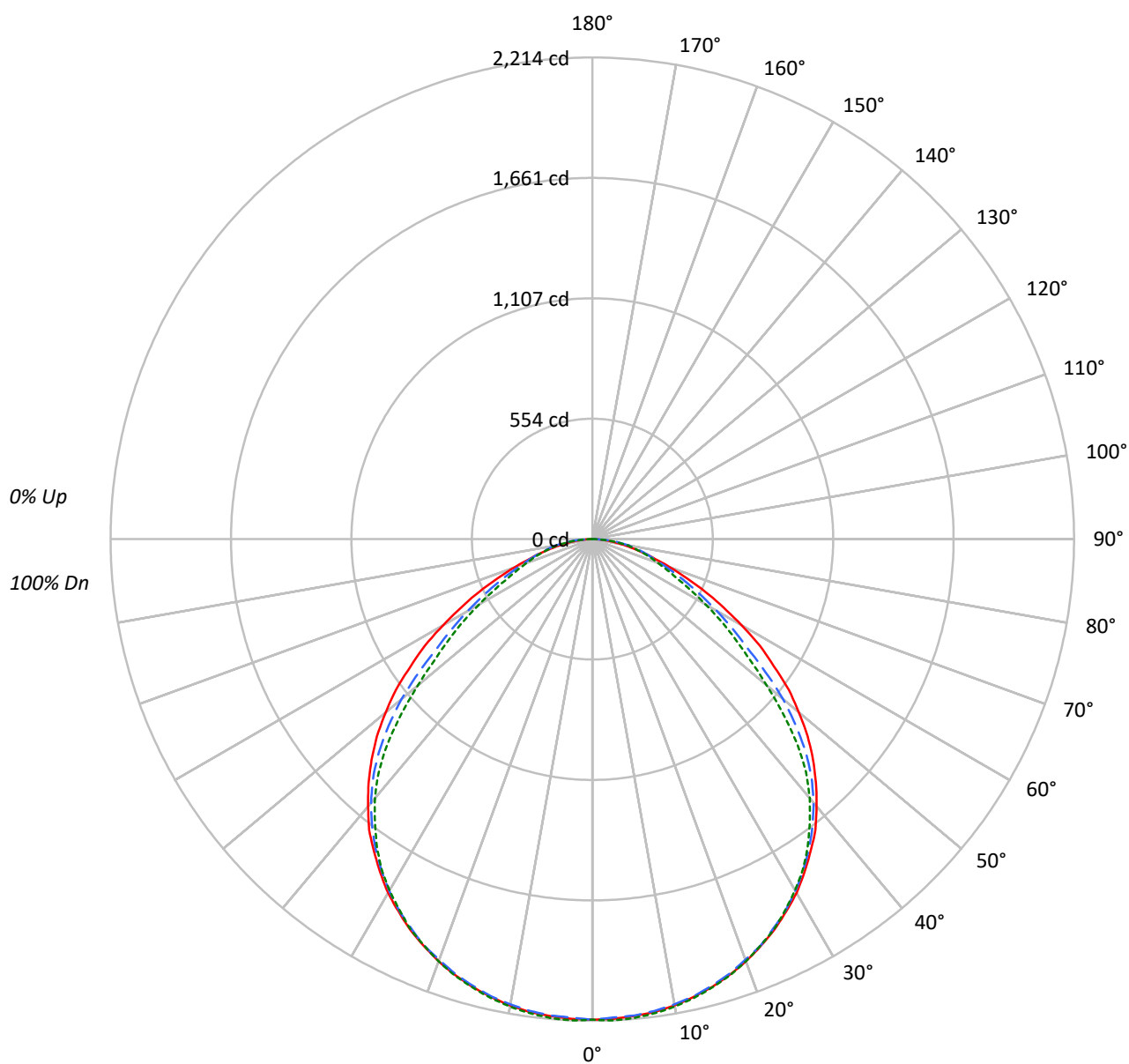
Lumens per Lamp: N/A
Luminaire Lumens: 5508.5 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5945	5945	5945
5°	5945	5938	5967
10°	5948	5933	5962
15°	5935	5920	5942
20°	5913	5891	5913
25°	5882	5857	5873
30°	5834	5801	5792
35°	5748	5704	5669
40°	5632	5556	5459
45°	5460	5284	5066
50°	5188	4789	4379
55°	4781	4067	3773
60°	4256	3554	3232
65°	3651	3081	2752
70°	3014	2716	2522
75°	2542	2598	2459
80°	2148	2653	2529
85°	1683	2686	2353

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5460 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.5	3.8
10°-20°	601.0	10.9
20°-30°	910.4	16.5
30°-40°	1084.8	19.7
40°-50°	1060.9	19.3
50°-60°	802.4	14.6
60°-70°	493.0	8.9
70°-80°	262.6	4.8
80°-90°	83.8	1.5
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°	1720.9	31.2
0°-40°	2805.8	50.9
0°-60°	4669.1	84.8
0°-90°	5508.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5508.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2209	2209	2209	2209	2209	
5°	2201	2204	2198	2206	2209	209
15°	2130	2133	2125	2133	2133	601
25°	1981	1978	1973	1976	1978	912
35°	1750	1747	1736	1728	1726	1095
45°	1435	1427	1388	1342	1331	1104
55°	1019	967	867	818	804	913
65°	573	527	484	446	432	571
75°	244	247	250	242	236	262
85°	54	71	87	82	76	65
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2209.1	2209.1	2209.1	2209.1	2209.1
2.5°	2206.5	2209.1	2200.8	2212.0	2214.5
5°	2200.8	2203.7	2198.3	2206.5	2209.1
7.5°	2192.8	2192.8	2187.4	2195.4	2198.3
10°	2176.6	2176.6	2171.2	2179.2	2182.0
12.5°	2154.9	2154.9	2152.1	2157.5	2160.3
15°	2130.4	2132.9	2125.0	2132.9	2132.9
17.5°	2100.4	2097.9	2095.0	2100.4	2103.3
20°	2065.0	2065.0	2057.1	2062.5	2065.0
22.5°	2024.3	2024.3	2021.7	2024.3	2021.7
25°	1980.9	1978.0	1972.6	1975.5	1978.0
27.5°	1929.3	1929.3	1923.8	1923.8	1921.0
30°	1877.6	1874.8	1866.8	1861.4	1863.9
32.5°	1815.2	1812.3	1804.3	1798.9	1801.5
35°	1749.8	1747.3	1736.4	1728.1	1725.6
37.5°	1684.8	1676.5	1662.8	1652.0	1641.1
40°	1603.2	1594.9	1581.5	1557.0	1554.1
42.5°	1521.6	1513.6	1491.7	1462.0	1453.7
45°	1434.6	1426.6	1388.4	1342.2	1331.3
47.5°	1342.2	1328.8	1268.9	1211.8	1190.1
50°	1239.2	1214.7	1143.9	1070.6	1046.1
52.5°	1138.5	1095.1	1002.7	937.4	913.1
55°	1019.0	967.3	866.9	817.9	804.2
57.5°	913.1	842.4	760.8	712.0	701.2
60°	790.8	725.4	660.4	616.7	600.5
62.5°	679.2	622.2	568.0	529.7	510.9
65°	573.4	527.2	483.8	445.6	432.2
67.5°	470.1	445.6	410.2	380.5	372.3
70°	383.1	369.4	345.2	331.5	320.6
72.5°	304.4	309.8	293.5	288.1	279.8
75°	244.5	247.3	249.9	241.9	236.5
77.5°	184.9	198.3	209.1	203.7	198.3
80°	138.6	152.0	171.2	163.2	163.2
82.5°	95.0	111.5	127.8	122.4	119.5
85°	54.5	70.7	87.0	81.6	76.2
87.5°	21.7	35.4	37.9	37.9	35.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)