

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: P1050548

Luminaire Tested: 24PTR-60-PB1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050548
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: 24PTR-60-PB1-L830-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

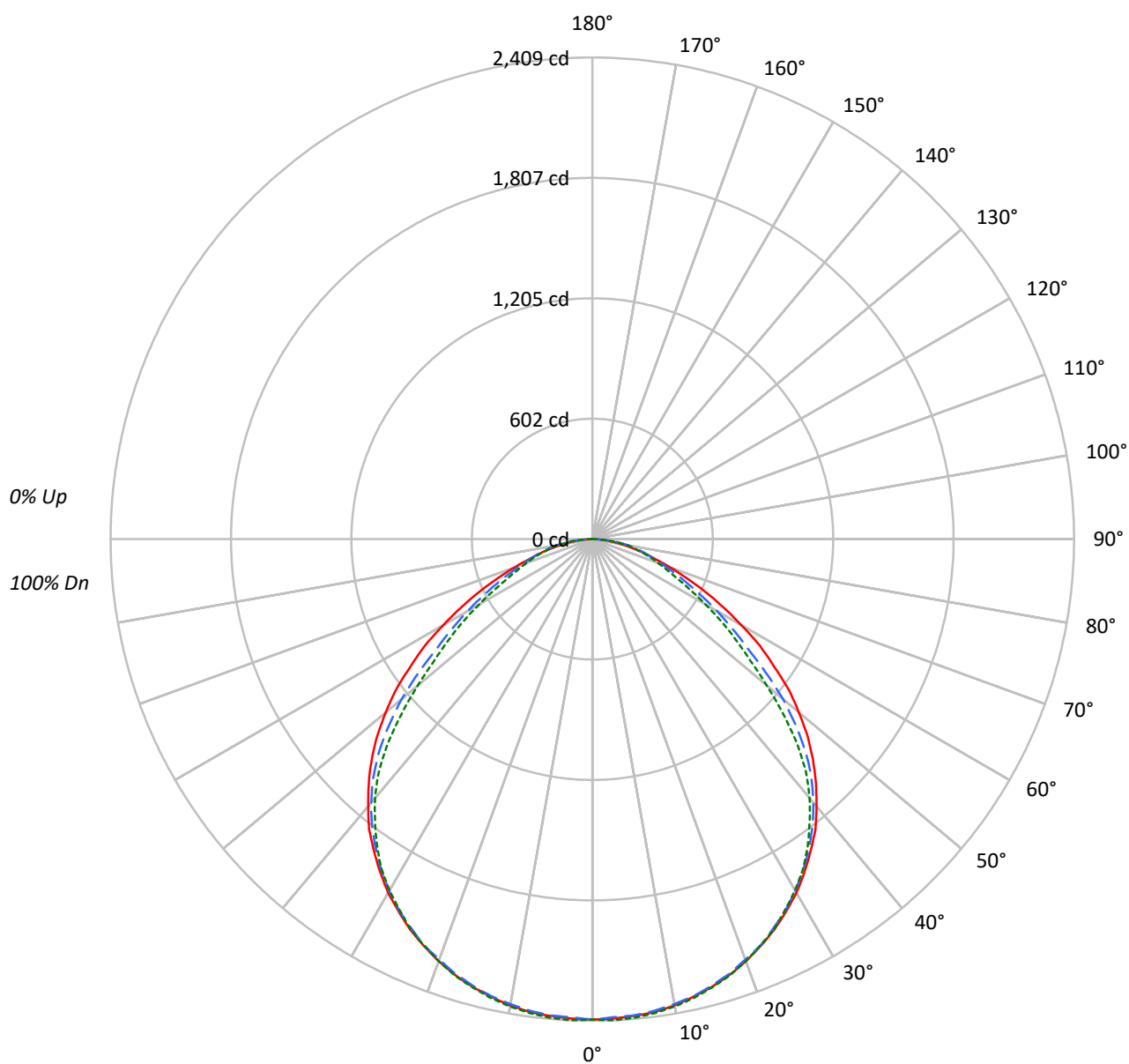
Lumens per Lamp: N/A
Luminaire Lumens: 5991.7 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51
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°	3233	3233	3233
5°	3233	3229	3245
10°	3235	3227	3243
15°	3228	3220	3232
20°	3216	3204	3216
25°	3199	3185	3194
30°	3173	3155	3150
35°	3126	3102	3083
40°	3063	3021	2969
45°	2969	2874	2755
50°	2821	2605	2382
55°	2600	2212	2052
60°	2315	1933	1758
65°	1986	1675	1497
70°	1639	1477	1372
75°	1382	1413	1337
80°	1168	1443	1375
85°	915	1460	1278

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2969 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.8	3.8
10°-20°	653.8	10.9
20°-30°	990.3	16.5
30°-40°	1180.0	19.7
40°-50°	1153.9	19.3
50°-60°	872.8	14.6
60°-70°	536.2	8.9
70°-80°	285.7	4.8
80°-90°	91.2	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°	1871.9	31.2
0°-40°	3051.9	50.9
0°-60°	5078.6	84.8
0°-90°	5991.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5991.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2403	2403	2403	2403	2403	
5°	2394	2397	2391	2400	2403	228
15°	2317	2320	2311	2320	2320	654
25°	2155	2152	2146	2149	2152	992
35°	1903	1900	1889	1880	1877	1191
45°	1560	1552	1510	1460	1448	1200
55°	1108	1052	943	890	875	993
65°	624	573	526	485	470	621
75°	266	269	272	263	257	285
85°	59	77	95	89	83	71
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2402.9	2402.9	2402.9	2402.9	2402.9
2.5°	2400.1	2402.9	2393.9	2406.0	2408.8
5°	2393.9	2397.0	2391.1	2400.1	2402.9
7.5°	2385.2	2385.2	2379.3	2388.0	2391.1
10°	2367.5	2367.5	2361.6	2370.3	2373.4
12.5°	2343.9	2343.9	2340.8	2346.7	2349.8
15°	2317.2	2320.0	2311.3	2320.0	2320.0
17.5°	2284.7	2281.9	2278.8	2284.7	2287.8
20°	2246.2	2246.2	2237.5	2243.4	2246.2
22.5°	2201.8	2201.8	2199.0	2201.8	2199.0
25°	2154.6	2151.5	2145.6	2148.7	2151.5
27.5°	2098.5	2098.5	2092.6	2092.6	2089.5
30°	2042.3	2039.2	2030.5	2024.6	2027.4
32.5°	1974.4	1971.3	1962.6	1956.7	1959.5
35°	1903.3	1900.5	1888.7	1879.7	1876.9
37.5°	1832.6	1823.6	1808.7	1796.9	1785.1
40°	1743.8	1734.8	1720.2	1693.6	1690.5
42.5°	1655.1	1646.4	1622.5	1590.2	1581.2
45°	1560.4	1551.8	1510.2	1459.9	1448.1
47.5°	1459.9	1445.3	1380.2	1318.1	1294.5
50°	1347.9	1321.2	1244.3	1164.5	1137.8
52.5°	1238.4	1191.2	1090.7	1019.6	993.2
55°	1108.4	1052.2	943.0	889.6	874.7
57.5°	993.2	916.3	827.5	774.5	762.7
60°	860.1	789.1	718.3	670.8	653.2
62.5°	738.8	676.7	617.8	576.2	555.7
65°	623.7	573.4	526.2	484.7	470.1
67.5°	511.4	484.7	446.2	413.9	404.9
70°	416.7	401.8	375.4	360.6	348.8
72.5°	331.1	337.0	319.3	313.4	304.4
75°	265.9	269.0	271.8	263.1	257.2
77.5°	201.1	215.7	227.4	221.5	215.7
80°	150.8	165.4	186.2	177.5	177.5
82.5°	103.3	121.3	139.0	133.1	130.0
85°	59.3	77.0	94.6	88.7	82.8
87.5°	23.6	38.5	41.3	41.3	38.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)