

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: P1050845

Luminaire Tested: 24PTR-60-PLG-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050845
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-PLG-L940-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

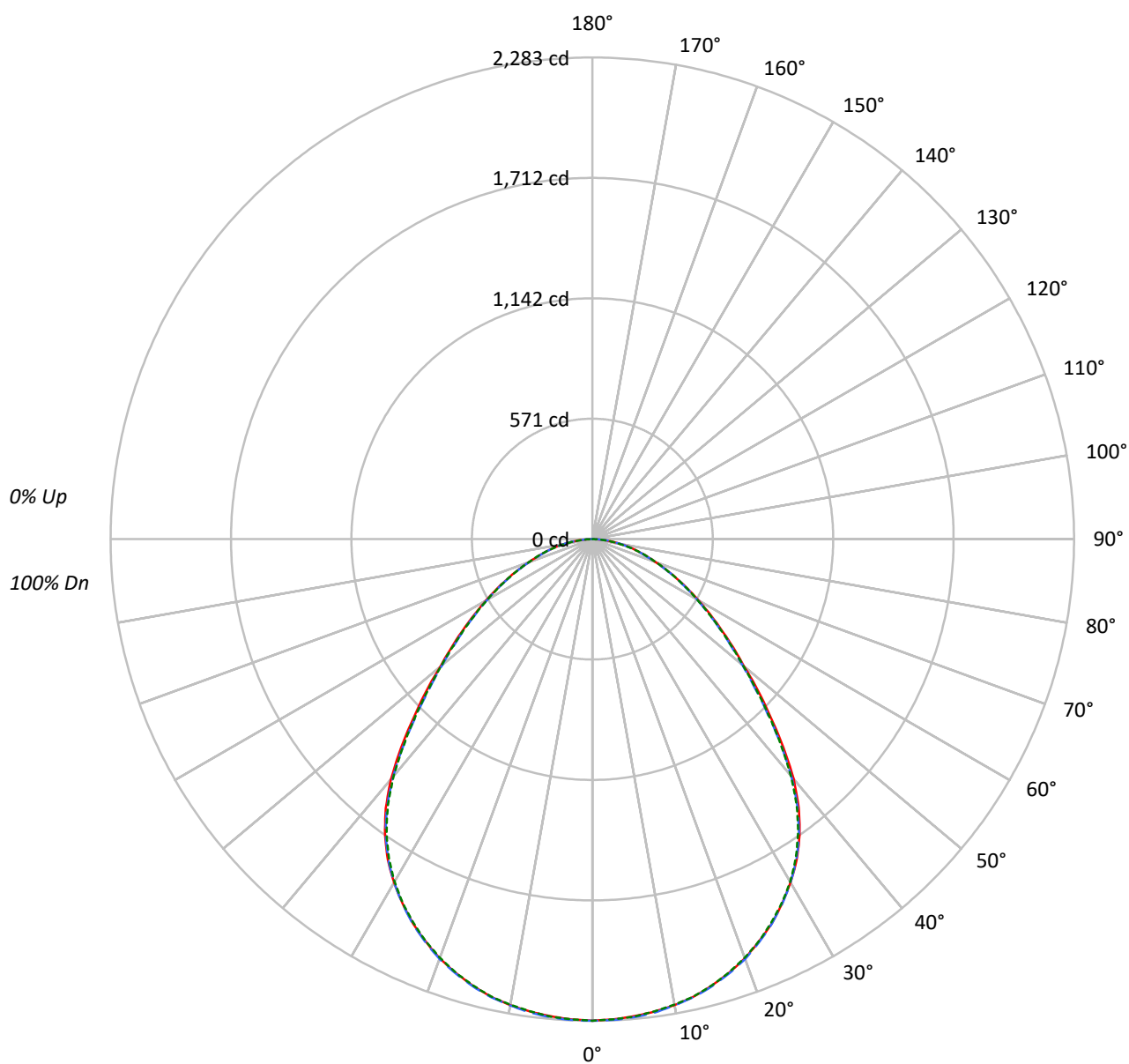
Lumens per Lamp: N/A
Luminaire Lumens: 5144.3 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3072	3072	3072
5°	3066	3073	3068
10°	3064	3066	3062
15°	3051	3056	3049
20°	3028	3032	3023
25°	2985	2988	2978
30°	2920	2920	2913
35°	2813	2805	2792
40°	2607	2578	2570
45°	2278	2241	2251
50°	1967	1943	1954
55°	1748	1722	1726
60°	1565	1544	1544
65°	1403	1393	1398
70°	1262	1249	1262
75°	1171	1154	1171
80°	1093	1079	1042
85°	926	926	826

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2278 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.1	4.2
10°-20°	618.5	12.0
20°-30°	925.4	18.0
30°-40°	1060.3	20.6
40°-50°	917.0	17.8
50°-60°	663.7	12.9
60°-70°	437.1	8.5
70°-80°	237.9	4.6
80°-90°	68.2	1.3
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°	1760.0	34.2
0°-40°	2820.3	54.8
0°-60°	4401.0	85.6
0°-90°	5144.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5144.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2283	2283	2283	2283	2283	
5°	2270	2275	2275	2275	2272	216
15°	2191	2192	2194	2197	2189	618
25°	2011	2011	2012	2014	2006	925
35°	1713	1711	1708	1706	1700	1064
45°	1197	1194	1178	1176	1183	927
55°	745	742	734	729	736	671
65°	441	444	438	434	439	440
75°	225	225	222	222	225	240
85°	60	60	60	62	54	69
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2283.0	2283.0	2283.0	2283.0	2283.0
2.5°	2278.1	2283.0	2281.4	2283.0	2278.1
5°	2270.0	2274.9	2274.9	2274.9	2271.6
7.5°	2258.7	2261.9	2263.5	2265.2	2257.1
10°	2242.5	2245.7	2244.1	2247.3	2240.9
12.5°	2221.4	2221.4	2223.0	2226.3	2219.8
15°	2190.6	2192.3	2193.9	2197.1	2189.0
17.5°	2155.0	2156.6	2158.2	2159.8	2153.4
20°	2114.5	2114.5	2117.7	2119.3	2111.2
22.5°	2064.2	2064.2	2067.5	2072.3	2062.6
25°	2010.8	2010.8	2012.4	2014.0	2005.9
27.5°	1947.6	1947.6	1949.2	1954.1	1944.3
30°	1879.5	1877.9	1879.5	1881.2	1874.7
32.5°	1803.4	1801.8	1800.1	1801.8	1793.7
35°	1712.6	1711.0	1707.8	1706.2	1699.7
37.5°	1607.3	1604.1	1597.6	1597.6	1591.1
40°	1484.2	1476.1	1468.0	1464.7	1463.1
42.5°	1341.6	1335.1	1323.8	1322.2	1322.2
45°	1197.4	1194.2	1177.9	1176.3	1182.8
47.5°	1067.8	1059.7	1045.1	1041.8	1051.6
50°	939.8	941.4	928.4	923.6	933.3
52.5°	839.3	836.1	824.7	821.5	829.6
55°	745.3	742.1	734.0	729.1	735.6
57.5°	659.5	657.8	649.7	648.1	651.4
60°	581.7	580.1	573.6	572.0	573.6
62.5°	508.8	508.8	502.3	499.0	503.9
65°	440.7	444.0	437.5	434.2	439.1
67.5°	379.1	382.4	375.9	372.7	379.1
70°	320.8	324.1	317.6	314.3	320.8
72.5°	270.6	272.2	267.3	265.7	273.8
75°	225.2	225.2	222.0	222.0	225.2
77.5°	183.1	181.5	179.9	179.9	176.6
80°	141.0	139.3	139.3	139.3	134.5
82.5°	100.5	97.2	98.8	100.5	92.4
85°	60.0	60.0	60.0	61.6	53.5
87.5°	24.3	24.3	22.7	24.3	21.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)