

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: P1050724

Luminaire Tested: 24PTR-60-PL1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050724
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-PL1-L840-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

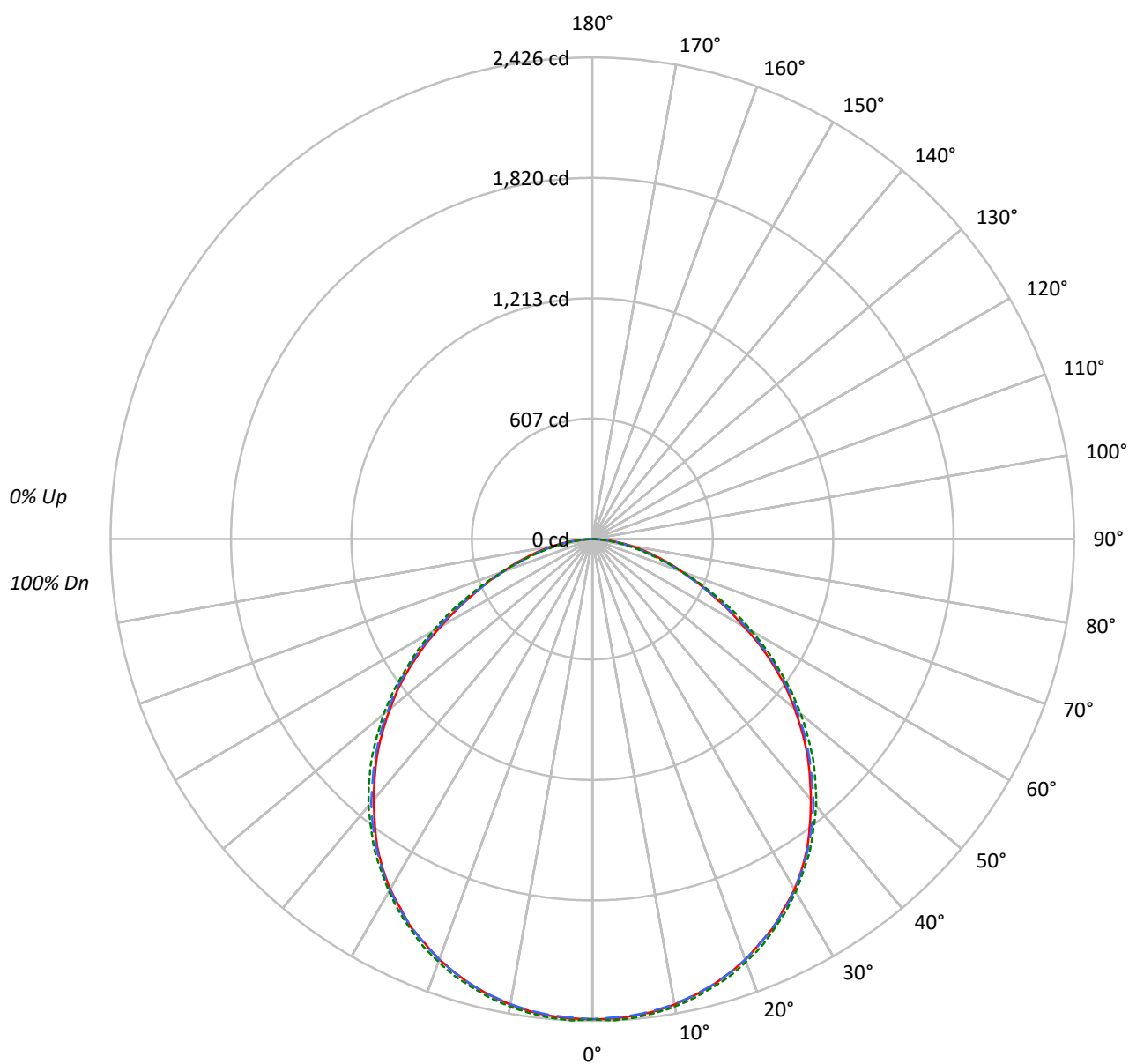
Lumens per Lamp: N/A
Luminaire Lumens: 6373.9 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3253	3253	3253
5°	3256	3250	3268
10°	3252	3249	3267
15°	3242	3241	3257
20°	3226	3226	3244
25°	3204	3200	3217
30°	3164	3168	3183
35°	3103	3115	3140
40°	3007	3042	3081
45°	2913	2937	2994
50°	2785	2815	2871
55°	2623	2665	2696
60°	2379	2430	2491
65°	2113	2136	2222
70°	1889	1851	1897
75°	1704	1606	1574
80°	1549	1438	1276
85°	1312	1192	1025

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2994 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.4	3.6
10°-20°	657.9	10.3
20°-30°	995.1	15.6
30°-40°	1186.1	18.6
40°-50°	1192.7	18.7
50°-60°	1012.2	15.9
60°-70°	674.0	10.6
70°-80°	336.5	5.3
80°-90°	90.0	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°	1882.3	29.5
0°-40°	3068.4	48.1
0°-60°	5273.3	82.7
0°-90°	6373.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6373.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2418	2418	2418	2418	2418	
5°	2411	2412	2406	2417	2420	229
15°	2328	2330	2327	2336	2338	657
25°	2158	2158	2155	2165	2167	992
35°	1889	1891	1896	1910	1912	1179
45°	1531	1534	1544	1564	1573	1178
55°	1118	1126	1136	1147	1150	996
65°	664	669	671	681	698	665
75°	328	323	309	302	303	352
85°	85	83	77	73	66	98
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2418.0	2418.0	2418.0	2418.0	2418.0
2.5°	2416.1	2418.0	2411.5	2423.3	2426.2
5°	2410.9	2411.5	2406.3	2417.1	2419.7
7.5°	2399.2	2400.1	2394.6	2406.3	2408.0
10°	2380.3	2382.2	2377.7	2388.4	2391.0
12.5°	2356.2	2358.8	2354.2	2366.0	2367.9
15°	2327.6	2330.2	2326.6	2336.3	2338.3
17.5°	2292.4	2294.3	2292.4	2301.5	2306.7
20°	2253.0	2253.0	2253.0	2261.1	2265.7
22.5°	2203.8	2208.4	2206.5	2217.2	2221.8
25°	2158.3	2158.3	2155.3	2165.4	2167.1
27.5°	2094.5	2101.6	2101.0	2109.8	2111.7
30°	2036.2	2038.2	2039.1	2045.3	2048.9
32.5°	1965.6	1967.2	1970.1	1978.9	1979.9
35°	1889.4	1891.3	1896.5	1909.9	1911.8
37.5°	1800.8	1810.6	1815.2	1829.5	1831.1
40°	1712.0	1718.2	1731.8	1746.8	1754.0
42.5°	1621.5	1628.6	1636.8	1657.3	1663.8
45°	1531.0	1533.6	1543.7	1564.2	1573.3
47.5°	1430.7	1438.9	1447.6	1465.5	1471.1
50°	1330.4	1339.2	1344.8	1360.7	1371.5
52.5°	1229.2	1237.3	1243.5	1253.3	1264.0
55°	1118.2	1126.0	1136.1	1146.8	1149.5
57.5°	1005.2	1014.0	1020.5	1031.9	1043.7
60°	884.1	894.2	903.0	913.8	925.5
62.5°	771.5	775.7	784.9	802.8	819.7
65°	663.8	669.3	670.9	681.0	697.9
67.5°	574.2	574.2	566.1	569.7	588.6
70°	480.2	476.6	470.4	466.8	482.1
72.5°	404.0	399.4	386.1	379.9	388.0
75°	327.8	323.3	308.9	301.8	302.7
77.5°	263.4	256.2	244.5	232.1	229.5
80°	199.9	196.9	185.6	173.8	164.7
82.5°	141.6	135.4	128.9	121.7	114.6
85°	85.0	83.3	77.2	72.6	66.4
87.5°	34.8	34.8	33.2	31.3	29.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)