

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: P1050647

Luminaire Tested: 24PTR-60-PC3-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050647
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-PC3-L840-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

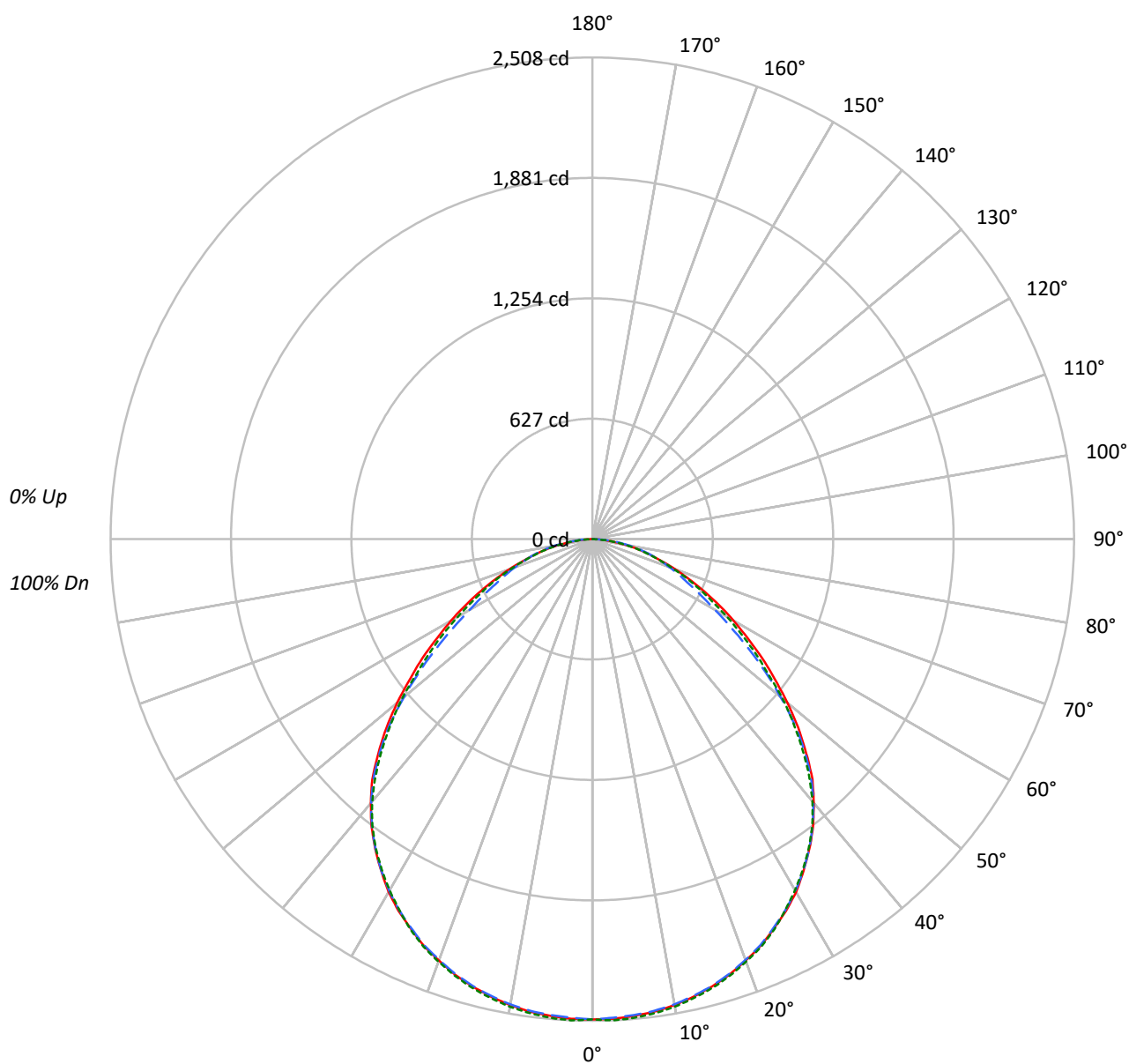
Lumens per Lamp: N/A
Luminaire Lumens: 6306.0 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3365	3365	3365
5°	3366	3360	3380
10°	3366	3360	3378
15°	3358	3355	3370
20°	3343	3338	3352
25°	3321	3315	3328
30°	3296	3285	3279
35°	3236	3233	3227
40°	3150	3146	3132
45°	2996	2974	2943
50°	2773	2680	2710
55°	2531	2326	2430
60°	2282	1984	2176
65°	2040	1775	1957
70°	1809	1679	1760
75°	1600	1627	1568
80°	1380	1554	1373
85°	1034	1229	1034

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3003 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.2	3.8
10°-20°	680.9	10.8
20°-30°	1031.0	16.3
30°-40°	1229.2	19.5
40°-50°	1201.0	19.0
50°-60°	918.4	14.6
60°-70°	589.6	9.4
70°-80°	328.0	5.2
80°-90°	90.6	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°	1949.2	30.9
0°-40°	3178.3	50.4
0°-60°	5297.7	84.0
0°-90°	6306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6306.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2501	2501	2501	2501	2501	
5°	2492	2494	2488	2500	2502	237
15°	2411	2413	2408	2416	2419	680
25°	2237	2239	2233	2240	2242	1032
35°	1970	1972	1968	1967	1965	1231
45°	1574	1578	1563	1559	1547	1212
55°	1079	1042	991	1004	1036	964
65°	641	591	558	576	615	639
75°	308	310	313	309	302	329
85°	67	79	80	77	67	82
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2501.2	2501.2	2501.2	2501.2	2501.2
2.5°	2499.6	2500.6	2494.1	2504.8	2508.4
5°	2492.5	2494.1	2487.9	2499.6	2502.2
7.5°	2481.7	2483.4	2477.2	2488.9	2489.9
10°	2463.9	2464.8	2459.3	2471.0	2472.6
12.5°	2439.8	2442.4	2436.2	2447.0	2447.6
15°	2410.9	2412.8	2408.3	2416.4	2419.0
17.5°	2377.1	2378.1	2373.5	2382.3	2383.3
20°	2334.8	2334.8	2331.2	2341.3	2341.3
22.5°	2291.9	2289.3	2288.3	2291.9	2297.4
25°	2236.7	2239.3	2233.1	2240.2	2241.9
27.5°	2183.0	2183.0	2177.5	2181.1	2176.5
30°	2121.3	2117.7	2114.1	2114.8	2110.5
32.5°	2046.8	2046.8	2045.2	2045.2	2039.7
35°	1970.1	1971.7	1968.2	1967.2	1964.6
37.5°	1887.6	1890.5	1884.0	1882.4	1880.4
40°	1793.6	1793.6	1791.0	1787.4	1782.9
42.5°	1696.1	1696.1	1684.7	1675.6	1669.5
45°	1574.5	1578.1	1562.8	1559.3	1546.9
47.5°	1453.6	1451.0	1430.5	1427.9	1420.8
50°	1324.9	1309.6	1280.4	1288.2	1294.7
52.5°	1196.2	1177.3	1134.4	1143.2	1153.9
55°	1078.8	1041.5	991.4	1003.8	1035.9
57.5°	956.3	906.2	856.2	879.6	919.6
60°	848.1	791.8	737.2	762.2	808.7
62.5°	744.4	684.6	640.7	664.7	704.1
65°	640.7	591.3	557.5	576.0	614.7
67.5°	545.8	512.6	489.5	498.3	529.5
70°	459.9	439.1	426.8	429.4	447.3
72.5°	378.4	373.2	368.6	368.6	370.2
75°	307.8	310.4	313.0	308.8	301.6
77.5°	242.5	251.3	257.8	248.7	239.9
80°	178.1	192.4	200.6	190.5	177.2
82.5°	121.6	137.8	140.4	134.2	119.0
85°	67.0	78.7	79.6	77.0	67.0
87.5°	25.0	29.6	32.2	29.6	26.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)