

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: P1050802

Luminaire Tested: 24PTR-72-PLG-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050802
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-72-PLG-L840-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

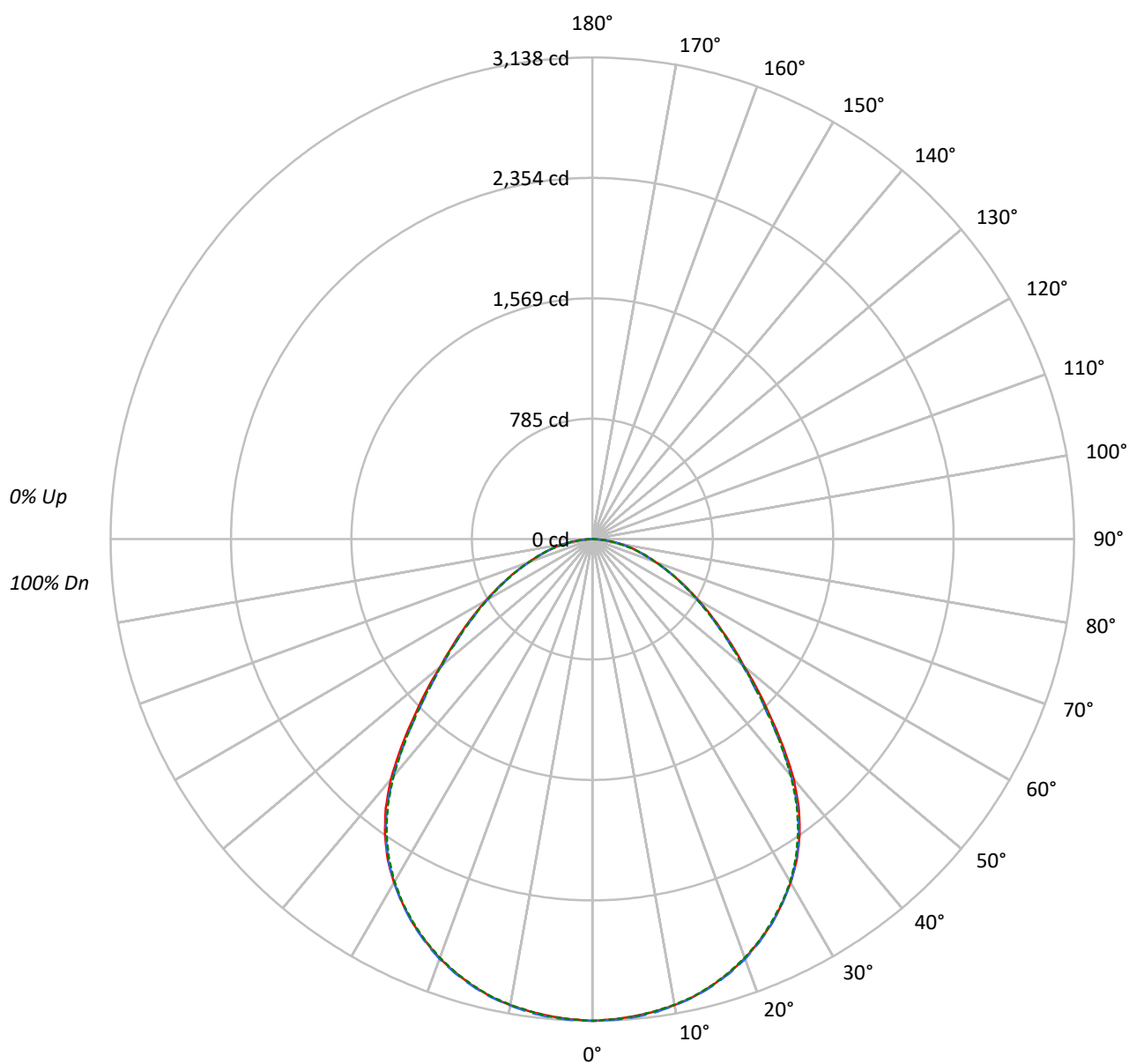
Lumens per Lamp: N/A
Luminaire Lumens: 7071.1 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 60
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

TEST NUMBER: P1050802

CATALOG NUMBER: 24PTR-72-PLG-L840-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050802

CATALOG NUMBER: 24PTR-72-PLG-L840-UNV-STD-W

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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86	84	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74	72	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64	62	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56	54	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49	47	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43	41	43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39	37	39
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35	33	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32	30	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29	27	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4222	4222	4222
5°	4214	4223	4217
10°	4211	4214	4208
15°	4194	4201	4191
20°	4162	4168	4155
25°	4103	4107	4093
30°	4014	4014	4004
35°	3867	3856	3837
40°	3583	3544	3532
45°	3132	3081	3094
50°	2704	2671	2685
55°	2403	2367	2372
60°	2152	2122	2122
65°	1929	1914	1922
70°	1735	1717	1735
75°	1609	1586	1609
80°	1502	1484	1433
85°	1272	1272	1135

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3132 cd/sqm

TEST NUMBER: P1050802

CATALOG NUMBER: 24PTR-72-PLG-L840-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.1	4.2
10°-20°	850.1	12.0
20°-30°	1272.0	18.0
30°-40°	1457.4	20.6
40°-50°	1260.5	17.8
50°-60°	912.2	12.9
60°-70°	600.9	8.5
70°-80°	327.1	4.6
80°-90°	93.8	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°	2419.3	34.2
0°-40°	3876.7	54.8
0°-60°	6049.4	85.6
0°-90°	7071.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7071.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3138	3138	3138	3138	3138	
5°	3120	3127	3127	3127	3122	297
15°	3011	3013	3016	3020	3009	849
25°	2764	2764	2766	2768	2757	1271
35°	2354	2352	2348	2345	2336	1462
45°	1646	1641	1619	1617	1626	1274
55°	1024	1020	1009	1002	1011	922
65°	606	610	601	597	604	605
75°	310	310	305	305	310	330
85°	82	82	82	85	74	95
90°	0	0	0	0	0	

TEST NUMBER: P1050802

CATALOG NUMBER: 24PTR-72-PLG-L840-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3138.1	3138.1	3138.1	3138.1	3138.1
2.5°	3131.4	3138.1	3135.9	3138.1	3131.4
5°	3120.3	3127.0	3127.0	3127.0	3122.5
7.5°	3104.7	3109.2	3111.4	3113.6	3102.5
10°	3082.4	3086.9	3084.7	3089.1	3080.2
12.5°	3053.5	3053.5	3055.7	3060.2	3051.3
15°	3011.2	3013.4	3015.6	3020.1	3008.9
17.5°	2962.2	2964.4	2966.6	2968.8	2959.9
20°	2906.5	2906.5	2910.9	2913.2	2902.0
22.5°	2837.4	2837.4	2841.9	2848.6	2835.2
25°	2763.9	2763.9	2766.2	2768.4	2757.3
27.5°	2677.1	2677.1	2679.3	2686.0	2672.6
30°	2583.5	2581.3	2583.5	2585.8	2576.9
32.5°	2478.9	2476.6	2474.4	2476.6	2465.5
35°	2354.1	2351.9	2347.5	2345.2	2336.3
37.5°	2209.4	2204.9	2196.0	2196.0	2187.1
40°	2040.1	2029.0	2017.8	2013.4	2011.2
42.5°	1844.1	1835.2	1819.6	1817.4	1817.4
45°	1645.9	1641.4	1619.2	1616.9	1625.9
47.5°	1467.7	1456.6	1436.5	1432.1	1445.4
50°	1291.8	1294.0	1276.2	1269.5	1282.9
52.5°	1153.7	1149.2	1133.6	1129.2	1140.3
55°	1024.5	1020.1	1008.9	1002.2	1011.1
57.5°	906.5	904.2	893.1	890.9	895.3
60°	799.6	797.3	788.4	786.2	788.4
62.5°	699.3	699.3	690.4	686.0	692.7
65°	605.8	610.3	601.3	596.9	603.6
67.5°	521.2	525.6	516.7	512.3	521.2
70°	441.0	445.4	436.5	432.1	441.0
72.5°	371.9	374.2	367.5	365.3	376.4
75°	309.6	309.6	305.1	305.1	309.6
77.5°	251.7	249.4	247.2	247.2	242.8
80°	193.8	191.5	191.5	191.5	184.9
82.5°	138.1	133.6	135.9	138.1	127.0
85°	82.4	82.4	82.4	84.6	73.5
87.5°	33.4	33.4	31.2	33.4	29.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)