

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: P1050771

Luminaire Tested: 24PTR-100-PL1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050771
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-100-PL1-L940-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

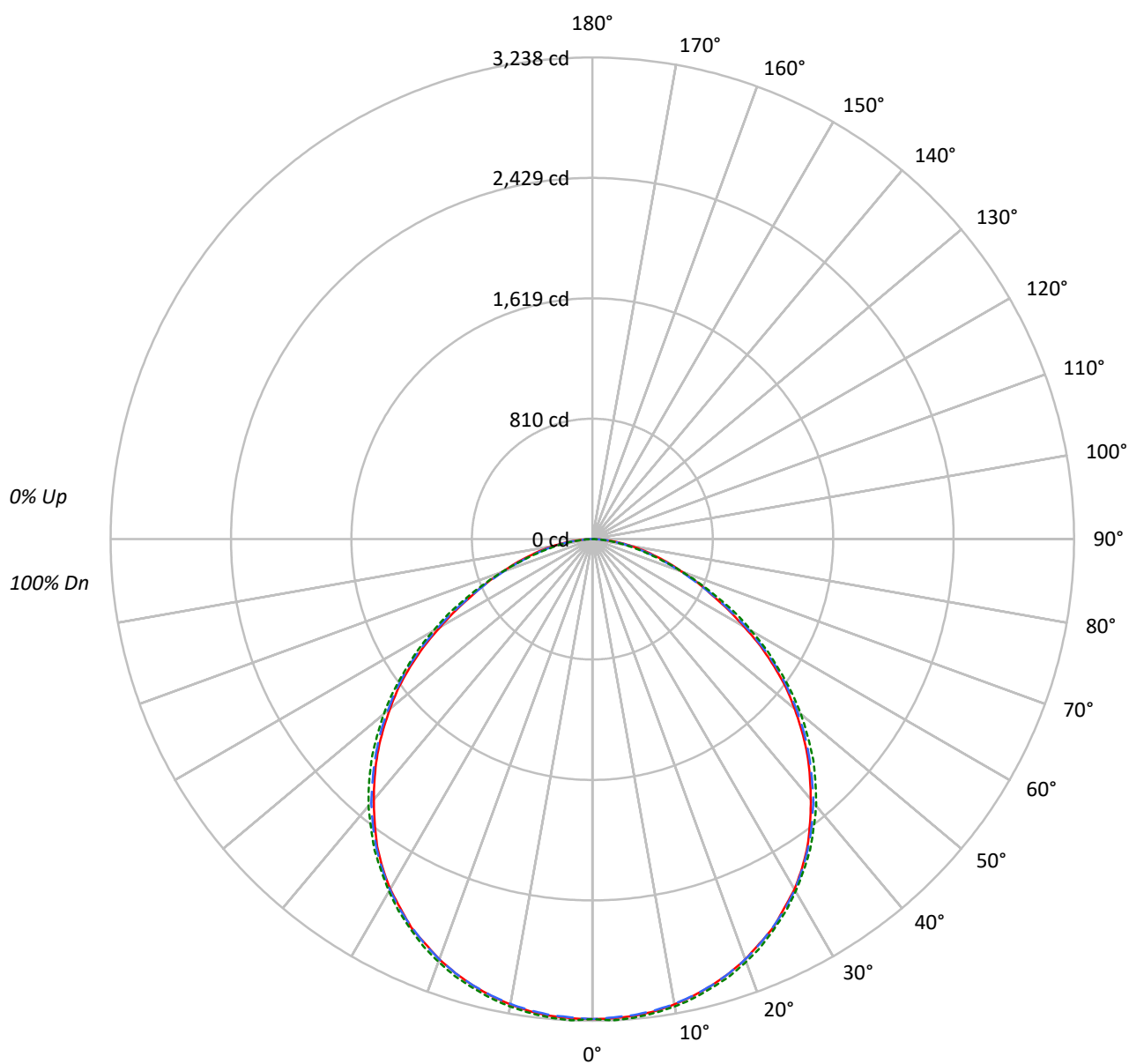
Lumens per Lamp: N/A
Luminaire Lumens: 8505.9 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 85
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°	4342	4342	4342
5°	4345	4337	4361
10°	4340	4335	4359
15°	4327	4325	4347
20°	4305	4305	4329
25°	4276	4270	4293
30°	4222	4228	4248
35°	4141	4157	4191
40°	4013	4059	4111
45°	3888	3920	3995
50°	3716	3756	3831
55°	3500	3556	3598
60°	3175	3243	3324
65°	2820	2850	2965
70°	2521	2469	2531
75°	2274	2143	2100
80°	2066	1918	1703
85°	1751	1590	1368

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3995 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.1	3.6
10°-20°	877.9	10.3
20°-30°	1327.9	15.6
30°-40°	1582.9	18.6
40°-50°	1591.7	18.7
50°-60°	1350.8	15.9
60°-70°	899.4	10.6
70°-80°	449.1	5.3
80°-90°	120.1	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°	2511.9	29.5
0°-40°	4094.8	48.1
0°-60°	7037.3	82.7
0°-90°	8505.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8505.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3227	3227	3227	3227	3227	
5°	3217	3218	3211	3226	3229	306
15°	3106	3110	3105	3118	3120	876
25°	2880	2880	2876	2890	2892	1324
35°	2521	2524	2531	2549	2551	1573
45°	2043	2047	2060	2087	2100	1572
55°	1492	1503	1516	1530	1534	1330
65°	886	893	895	909	931	888
75°	438	431	412	403	404	470
85°	113	111	103	97	89	131
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3226.9	3226.9	3226.9	3226.9	3226.9
2.5°	3224.3	3226.9	3218.2	3233.8	3237.7
5°	3217.3	3218.2	3211.2	3225.6	3229.1
7.5°	3201.7	3203.0	3195.6	3211.2	3213.4
10°	3176.5	3179.1	3173.0	3187.4	3190.8
12.5°	3144.3	3147.8	3141.7	3157.4	3160.0
15°	3106.1	3109.6	3104.8	3117.8	3120.5
17.5°	3059.2	3061.8	3059.2	3071.4	3078.3
20°	3006.6	3006.6	3006.6	3017.5	3023.6
22.5°	2941.0	2947.1	2944.5	2958.8	2964.9
25°	2880.2	2880.2	2876.3	2889.8	2891.9
27.5°	2795.1	2804.6	2803.8	2815.5	2818.1
30°	2717.3	2719.9	2721.2	2729.5	2734.3
32.5°	2623.0	2625.2	2629.1	2640.9	2642.2
35°	2521.4	2524.0	2530.9	2548.8	2551.4
37.5°	2403.2	2416.3	2422.3	2441.5	2443.6
40°	2284.6	2292.9	2311.1	2331.1	2340.7
42.5°	2163.9	2173.4	2184.3	2211.6	2220.3
45°	2043.1	2046.6	2060.0	2087.4	2099.6
47.5°	1909.3	1920.1	1931.9	1955.8	1963.2
50°	1775.5	1787.2	1794.6	1815.9	1830.2
52.5°	1640.4	1651.2	1659.5	1672.5	1686.9
55°	1492.2	1502.7	1516.1	1530.5	1533.9
57.5°	1341.5	1353.2	1361.9	1377.1	1392.8
60°	1179.9	1193.4	1205.1	1219.4	1235.1
62.5°	1029.6	1035.2	1047.4	1071.3	1093.9
65°	885.8	893.2	895.3	908.8	931.4
67.5°	766.3	766.3	755.5	760.2	785.4
70°	640.8	636.0	627.7	623.0	643.4
72.5°	539.1	533.0	515.2	507.0	517.8
75°	437.5	431.4	412.3	402.7	404.0
77.5°	351.4	341.9	326.3	309.7	306.3
80°	266.7	262.8	247.6	232.0	219.8
82.5°	189.0	180.7	172.0	162.5	152.9
85°	113.4	111.2	103.0	96.9	88.6
87.5°	46.5	46.5	44.3	41.7	39.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)