

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: P1050917

Luminaire Tested: 24PTR-30-PP3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050917
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-PP3-L940-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

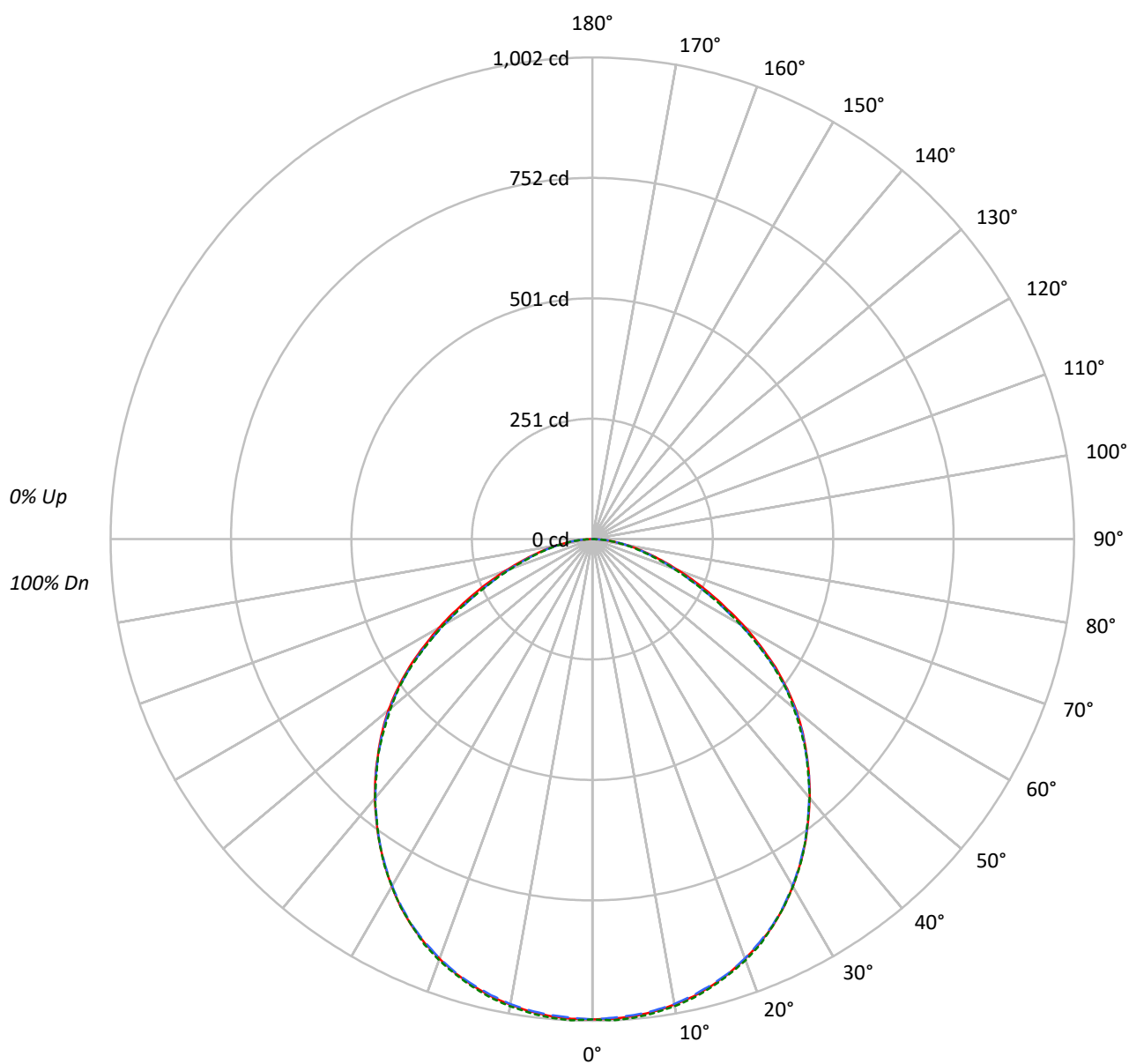
Lumens per Lamp: N/A
Luminaire Lumens: 2581.2 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24
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: P1050917

CATALOG NUMBER: 24PTR-30-PP3-L940-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050917

CATALOG NUMBER: 24PTR-30-PP3-L940-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	100		
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1344	1344	1344
5°	1345	1342	1350
10°	1343	1342	1348
15°	1339	1337	1343
20°	1330	1329	1335
25°	1318	1316	1318
30°	1296	1294	1296
35°	1268	1266	1267
40°	1236	1232	1235
45°	1198	1195	1196
50°	1158	1153	1145
55°	1090	1078	1074
60°	989	956	958
65°	869	826	824
70°	752	718	709
75°	650	626	612
80°	576	568	542
85°	475	492	463

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1203 cd/sqm

TEST NUMBER: P1050917

CATALOG NUMBER: 24PTR-30-PP3-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.7	3.7
10°-20°	271.4	10.5
20°-30°	408.6	15.8
30°-40°	482.3	18.7
40°-50°	485.0	18.8
50°-60°	409.5	15.9
60°-70°	263.0	10.2
70°-80°	130.8	5.1
80°-90°	35.8	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°	774.8	30.0
0°-40°	1257.0	48.7
0°-60°	2151.6	83.4
0°-90°	2581.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2581.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	999	999	999	999	999	
5°	996	996	994	999	999	95
15°	961	962	960	964	964	271
25°	888	888	887	888	888	409
35°	772	772	771	772	772	482
45°	630	632	628	629	629	486
55°	465	464	459	458	458	413
65°	273	269	259	257	259	272
75°	125	124	120	119	118	135
85°	31	32	32	30	30	36
90°	0	0	0	0	0	

TEST NUMBER: P1050917

CATALOG NUMBER: 24PTR-30-PP3-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	999.0	999.0	999.0	999.0	999.0
2.5°	998.6	999.0	996.4	1001.1	1001.9
5°	996.1	996.4	993.9	998.6	999.3
7.5°	991.0	991.4	989.1	993.5	994.3
10°	983.3	984.5	981.9	986.0	986.6
12.5°	974.0	974.4	971.7	976.5	977.3
15°	961.3	961.6	959.5	963.8	963.8
17.5°	946.7	947.1	945.6	949.3	948.9
20°	929.0	930.1	928.2	930.7	932.2
22.5°	909.8	910.2	908.0	911.2	912.7
25°	888.1	888.3	886.6	888.3	887.7
27.5°	862.6	863.3	860.8	862.6	863.0
30°	834.3	836.1	832.6	834.0	834.3
32.5°	803.9	804.9	802.4	802.8	804.7
35°	772.0	772.4	770.9	771.6	771.6
37.5°	737.6	739.0	736.8	737.9	736.4
40°	703.5	702.0	701.2	702.0	703.1
42.5°	667.5	667.9	666.8	666.0	664.3
45°	629.8	632.0	628.0	628.8	628.8
47.5°	592.9	593.2	591.1	588.8	587.4
50°	553.4	553.4	550.8	549.0	546.8
52.5°	510.2	509.5	506.6	504.8	505.8
55°	464.8	464.5	459.4	457.6	458.0
57.5°	415.2	416.0	408.3	406.5	406.5
60°	367.7	364.1	355.4	352.9	356.0
62.5°	317.9	313.6	304.2	304.2	306.7
65°	273.0	269.1	259.3	256.7	258.9
67.5°	231.0	227.3	218.3	216.9	217.5
70°	191.1	187.9	182.4	179.1	180.2
72.5°	156.7	153.8	150.1	147.6	146.1
75°	125.0	124.4	120.4	119.2	117.8
77.5°	99.0	98.7	95.4	93.9	92.5
80°	74.3	73.9	73.3	71.0	70.0
82.5°	53.0	53.0	52.6	50.7	49.7
85°	30.8	31.9	31.9	30.0	30.0
87.5°	12.4	13.0	12.4	12.4	12.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)