

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: P1050994

Luminaire Tested: 24PTR-30-PR1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050994
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-PR1-L940-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

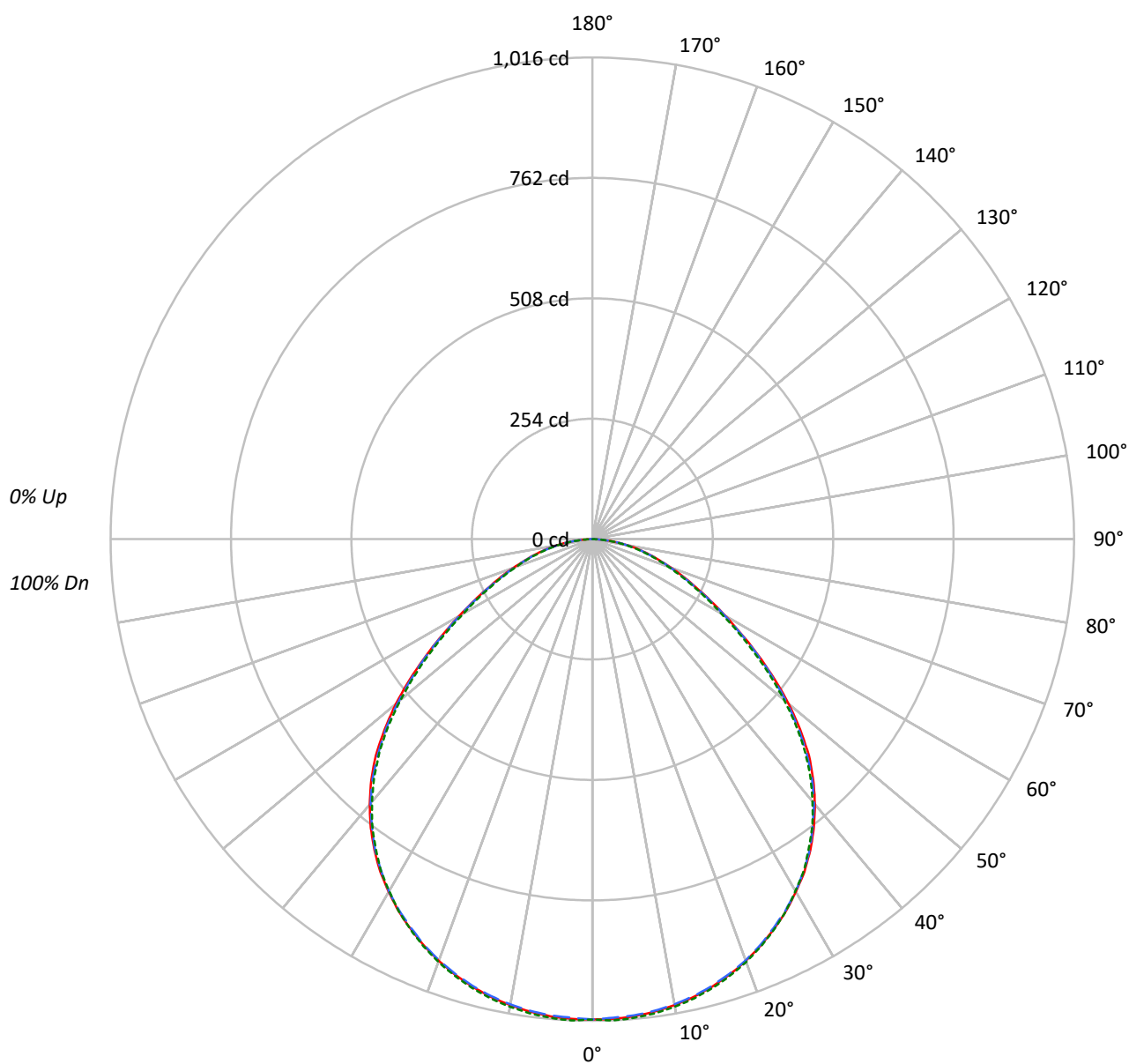
Lumens per Lamp: N/A
Luminaire Lumens: 2562.7 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1050994

CATALOG NUMBER: 24PTR-30-PR1-L940-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050994

CATALOG NUMBER: 24PTR-30-PR1-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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	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	45	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	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1363	1363	1363
5°	1365	1362	1369
10°	1364	1361	1369
15°	1361	1359	1365
20°	1355	1354	1359
25°	1347	1343	1348
30°	1334	1333	1331
35°	1316	1313	1308
40°	1283	1278	1269
45°	1229	1216	1207
50°	1131	1118	1105
55°	1001	997	977
60°	870	867	843
65°	767	762	747
70°	696	686	672
75°	644	629	618
80°	588	580	560
85°	465	460	442

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1229 cd/sqm

TEST NUMBER: P1050994

CATALOG NUMBER: 24PTR-30-PR1-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.1	3.8
10°-20°	275.9	10.8
20°-30°	418.0	16.3
30°-40°	499.0	19.5
40°-50°	490.7	19.1
50°-60°	379.3	14.8
60°-70°	239.1	9.3
70°-80°	129.4	5.0
80°-90°	35.3	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°	790.0	30.8
0°-40°	1288.9	50.3
0°-60°	2158.9	84.2
0°-90°	2562.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2562.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1013	1013	1013	1013	1013	
5°	1010	1011	1008	1013	1014	96
15°	977	977	976	979	980	276
25°	907	908	905	908	908	418
35°	801	802	799	798	796	500
45°	646	644	639	634	634	495
55°	427	430	425	418	417	383
65°	241	241	239	235	235	242
75°	124	122	121	122	119	132
85°	30	30	30	30	29	36
90°	0	0	0	0	0	

TEST NUMBER: P1050994

CATALOG NUMBER: 24PTR-30-PR1-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1013.3	1013.3	1013.3	1013.3	1013.3
2.5°	1012.9	1013.3	1010.4	1015.2	1016.2
5°	1010.4	1010.8	1008.2	1012.6	1013.7
7.5°	1005.3	1006.1	1003.6	1007.9	1009.0
10°	998.0	998.8	996.3	1000.7	1001.7
12.5°	989.1	989.3	987.2	991.2	992.2
15°	977.1	977.3	975.6	978.8	980.2
17.5°	963.2	963.6	961.1	965.0	965.7
20°	946.6	946.8	945.4	948.7	949.1
22.5°	928.0	928.8	926.5	929.4	929.8
25°	907.0	907.6	904.7	907.6	908.0
27.5°	884.8	885.1	882.6	884.8	884.4
30°	858.9	861.2	857.9	857.1	856.8
32.5°	832.2	832.4	829.3	828.5	829.9
35°	801.3	801.5	799.4	798.4	796.1
37.5°	767.5	767.5	763.4	762.7	762.4
40°	730.4	730.0	727.5	725.0	722.4
42.5°	690.0	690.8	685.7	681.3	680.7
45°	646.1	643.6	638.8	633.8	634.2
47.5°	594.2	594.9	588.4	584.3	583.3
50°	540.4	540.4	534.3	530.0	527.7
52.5°	484.2	484.6	478.8	473.0	471.8
55°	426.8	430.3	424.9	418.1	416.6
57.5°	373.1	376.0	370.8	363.6	363.2
60°	323.3	323.6	322.1	315.3	313.4
62.5°	280.8	279.0	278.2	274.6	272.4
65°	240.8	241.2	239.4	235.3	234.6
67.5°	208.5	208.1	204.8	202.3	200.8
70°	176.8	175.8	174.3	172.2	170.8
72.5°	148.6	148.6	147.4	146.7	144.2
75°	123.9	122.5	121.0	121.7	118.8
77.5°	100.3	98.8	97.7	96.2	95.5
80°	75.9	74.4	74.8	72.6	72.3
82.5°	52.7	52.7	52.0	50.1	50.5
85°	30.1	30.5	29.8	30.1	28.6
87.5°	11.0	11.2	12.0	11.2	11.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)