

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: P1050774

Luminaire Tested: 24PTR-30-PLG-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050774
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-30-PLG-L830-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

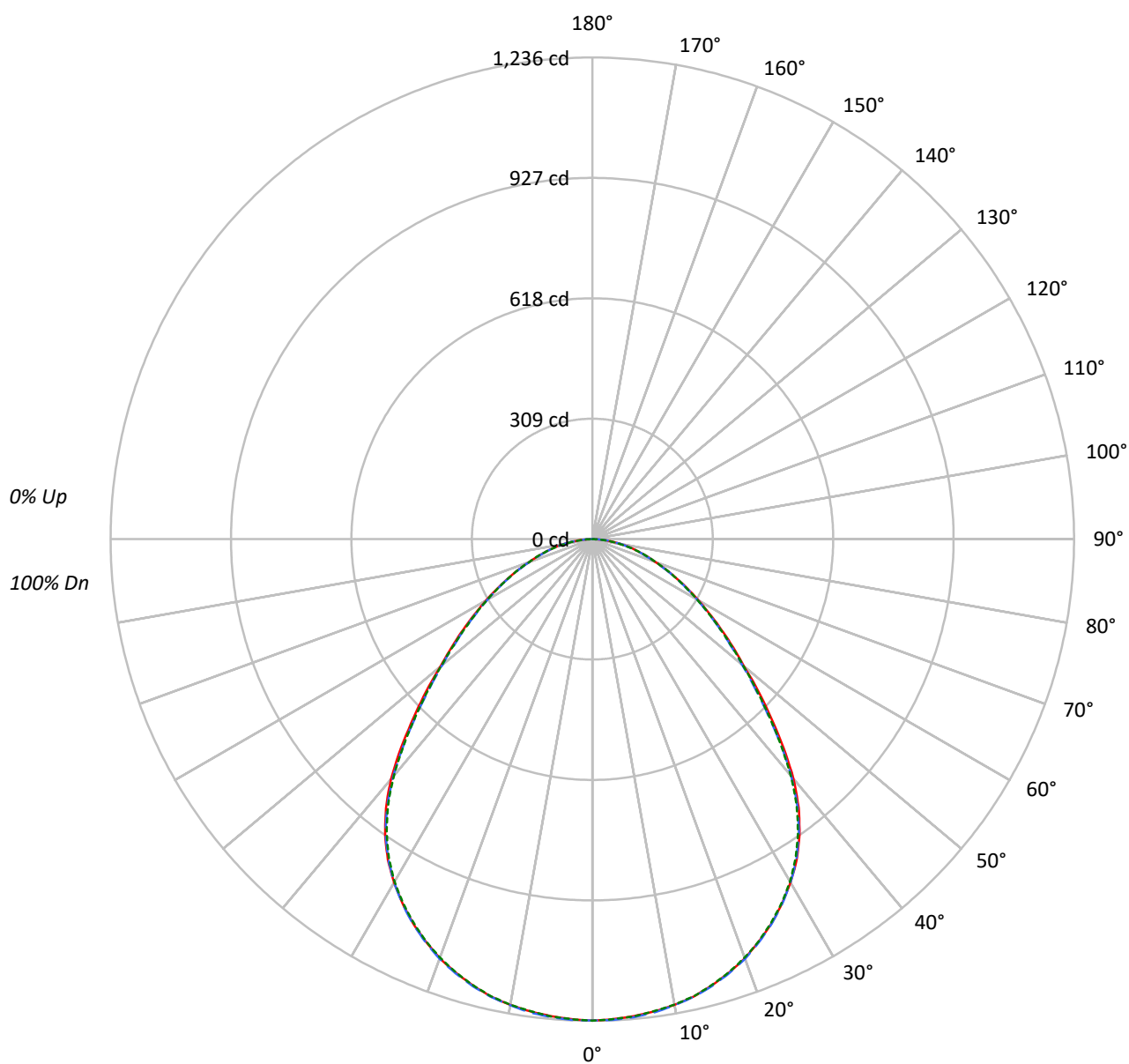
Lumens per Lamp: N/A
Luminaire Lumens: 2784.0 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1050774

CATALOG NUMBER: 24PTR-30-PLG-L830-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050774

CATALOG NUMBER: 24PTR-30-PLG-L830-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°	1662	1662	1662
5°	1659	1663	1660
10°	1658	1659	1657
15°	1651	1654	1650
20°	1639	1641	1636
25°	1616	1617	1612
30°	1580	1580	1576
35°	1522	1518	1511
40°	1411	1395	1391
45°	1233	1213	1218
50°	1065	1052	1057
55°	946	932	934
60°	847	835	835
65°	759	754	756
70°	683	676	683
75°	634	624	634
80°	591	584	564
85°	500	500	446

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1233 cd/sqm

TEST NUMBER: P1050774

CATALOG NUMBER: 24PTR-30-PLG-L830-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.0	4.2
10°-20°	334.7	12.0
20°-30°	500.8	18.0
30°-40°	573.8	20.6
40°-50°	496.3	17.8
50°-60°	359.2	12.9
60°-70°	236.6	8.5
70°-80°	128.8	4.6
80°-90°	36.9	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°	952.5	34.2
0°-40°	1526.3	54.8
0°-60°	2381.8	85.6
0°-90°	2784.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2784.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1236	1236	1236	1236	1236	
5°	1228	1231	1231	1231	1229	117
15°	1186	1186	1187	1189	1185	334
25°	1088	1088	1089	1090	1086	501
35°	927	926	924	923	920	576
45°	648	646	638	637	640	502
55°	403	402	397	395	398	363
65°	238	240	237	235	238	238
75°	122	122	120	120	122	130
85°	32	32	32	33	29	38
90°	0	0	0	0	0	

TEST NUMBER: P1050774

CATALOG NUMBER: 24PTR-30-PLG-L830-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1235.6	1235.6	1235.6	1235.6	1235.6
2.5°	1232.9	1235.6	1234.7	1235.6	1232.9
5°	1228.5	1231.2	1231.2	1231.2	1229.4
7.5°	1222.4	1224.2	1225.0	1225.9	1221.5
10°	1213.6	1215.4	1214.5	1216.3	1212.8
12.5°	1202.2	1202.2	1203.1	1204.9	1201.4
15°	1185.6	1186.5	1187.3	1189.1	1184.7
17.5°	1166.3	1167.2	1168.0	1168.9	1165.4
20°	1144.4	1144.4	1146.1	1147.0	1142.6
22.5°	1117.2	1117.2	1118.9	1121.6	1116.3
25°	1088.2	1088.2	1089.1	1090.0	1085.6
27.5°	1054.0	1054.0	1054.9	1057.5	1052.3
30°	1017.2	1016.3	1017.2	1018.1	1014.6
32.5°	976.0	975.1	974.2	975.1	970.7
35°	926.9	926.0	924.3	923.4	919.9
37.5°	869.9	868.1	864.6	864.6	861.1
40°	803.2	798.9	794.5	792.7	791.8
42.5°	726.1	722.6	716.4	715.6	715.6
45°	648.0	646.3	637.5	636.6	640.1
47.5°	577.9	573.5	565.6	563.8	569.1
50°	508.6	509.5	502.5	499.8	505.1
52.5°	454.2	452.5	446.3	444.6	449.0
55°	403.4	401.6	397.2	394.6	398.1
57.5°	356.9	356.0	351.6	350.8	352.5
60°	314.8	313.9	310.4	309.5	310.4
62.5°	275.3	275.3	271.8	270.1	272.7
65°	238.5	240.3	236.8	235.0	237.6
67.5°	205.2	206.9	203.4	201.7	205.2
70°	173.6	175.4	171.9	170.1	173.6
72.5°	146.4	147.3	144.7	143.8	148.2
75°	121.9	121.9	120.1	120.1	121.9
77.5°	99.1	98.2	97.3	97.3	95.6
80°	76.3	75.4	75.4	75.4	72.8
82.5°	54.4	52.6	53.5	54.4	50.0
85°	32.4	32.4	32.4	33.3	28.9
87.5°	13.2	13.2	12.3	13.2	11.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)