

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: P1050818

Luminaire Tested: 24PTR-30-PLG-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050818
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-L930-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

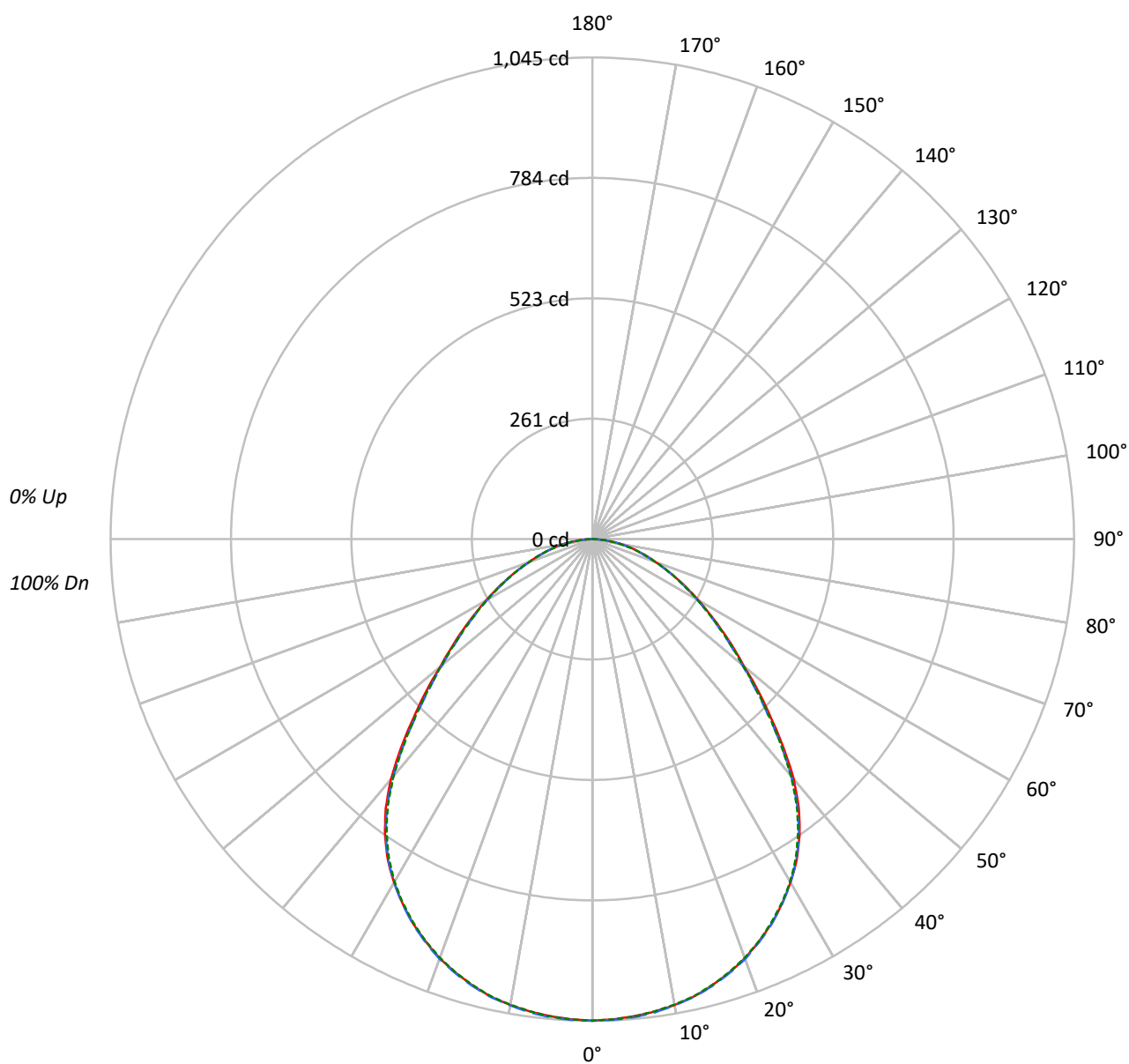
Lumens per Lamp: N/A
Luminaire Lumens: 2354.5 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1050818

CATALOG NUMBER: 24PTR-30-PLG-L930-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050818

CATALOG NUMBER: 24PTR-30-PLG-L930-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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1406	1406	1406
5°	1403	1406	1404
10°	1402	1403	1401
15°	1397	1399	1396
20°	1386	1388	1384
25°	1366	1367	1363
30°	1337	1337	1333
35°	1288	1284	1278
40°	1193	1180	1176
45°	1043	1026	1030
50°	900	889	894
55°	800	788	790
60°	716	706	706
65°	642	637	640
70°	578	572	578
75°	536	528	536
80°	500	494	477
85°	423	423	378

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1043 cd/sqm

TEST NUMBER: P1050818

CATALOG NUMBER: 24PTR-30-PLG-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.9	4.2
10°-20°	283.1	12.0
20°-30°	423.6	18.0
30°-40°	485.3	20.6
40°-50°	419.7	17.8
50°-60°	303.8	12.9
60°-70°	200.1	8.5
70°-80°	108.9	4.6
80°-90°	31.2	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°	805.6	34.2
0°-40°	1290.9	54.8
0°-60°	2014.3	85.6
0°-90°	2354.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2354.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1045	1045	1045	1045	1045	
5°	1039	1041	1041	1041	1040	99
15°	1003	1003	1004	1006	1002	283
25°	920	920	921	922	918	423
35°	784	783	782	781	778	487
45°	548	547	539	538	541	424
55°	341	340	336	334	337	307
65°	202	203	200	199	201	201
75°	103	103	102	102	103	110
85°	27	27	27	28	24	32
90°	0	0	0	0	0	

TEST NUMBER: P1050818

CATALOG NUMBER: 24PTR-30-PLG-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1044.9	1044.9	1044.9	1044.9	1044.9
2.5°	1042.7	1044.9	1044.2	1044.9	1042.7
5°	1039.0	1041.2	1041.2	1041.2	1039.7
7.5°	1033.8	1035.3	1036.0	1036.8	1033.1
10°	1026.4	1027.9	1027.1	1028.6	1025.6
12.5°	1016.7	1016.7	1017.5	1019.0	1016.0
15°	1002.7	1003.4	1004.1	1005.6	1001.9
17.5°	986.3	987.1	987.8	988.6	985.6
20°	967.8	967.8	969.3	970.0	966.3
22.5°	944.8	944.8	946.3	948.5	944.1
25°	920.3	920.3	921.1	921.8	918.1
27.5°	891.4	891.4	892.2	894.4	889.9
30°	860.3	859.5	860.3	861.0	858.0
32.5°	825.4	824.7	823.9	824.7	821.0
35°	783.9	783.1	781.7	780.9	777.9
37.5°	735.7	734.2	731.2	731.2	728.3
40°	679.3	675.6	671.9	670.4	669.7
42.5°	614.1	611.1	605.9	605.2	605.2
45°	548.0	546.6	539.1	538.4	541.4
47.5°	488.7	485.0	478.3	476.9	481.3
50°	430.1	430.9	424.9	422.7	427.2
52.5°	384.2	382.7	377.5	376.0	379.7
55°	341.1	339.7	335.9	333.7	336.7
57.5°	301.8	301.1	297.4	296.6	298.1
60°	266.2	265.5	262.5	261.8	262.5
62.5°	232.9	232.9	229.9	228.4	230.6
65°	201.7	203.2	200.2	198.8	201.0
67.5°	173.5	175.0	172.1	170.6	173.5
70°	146.8	148.3	145.4	143.9	146.8
72.5°	123.8	124.6	122.4	121.6	125.3
75°	103.1	103.1	101.6	101.6	103.1
77.5°	83.8	83.1	82.3	82.3	80.8
80°	64.5	63.8	63.8	63.8	61.6
82.5°	46.0	44.5	45.2	46.0	42.3
85°	27.4	27.4	27.4	28.2	24.5
87.5°	11.1	11.1	10.4	11.1	9.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)