

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: P1050974

Luminaire Tested: 24PTR-40-PR1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050974
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-40-PR1-L930-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

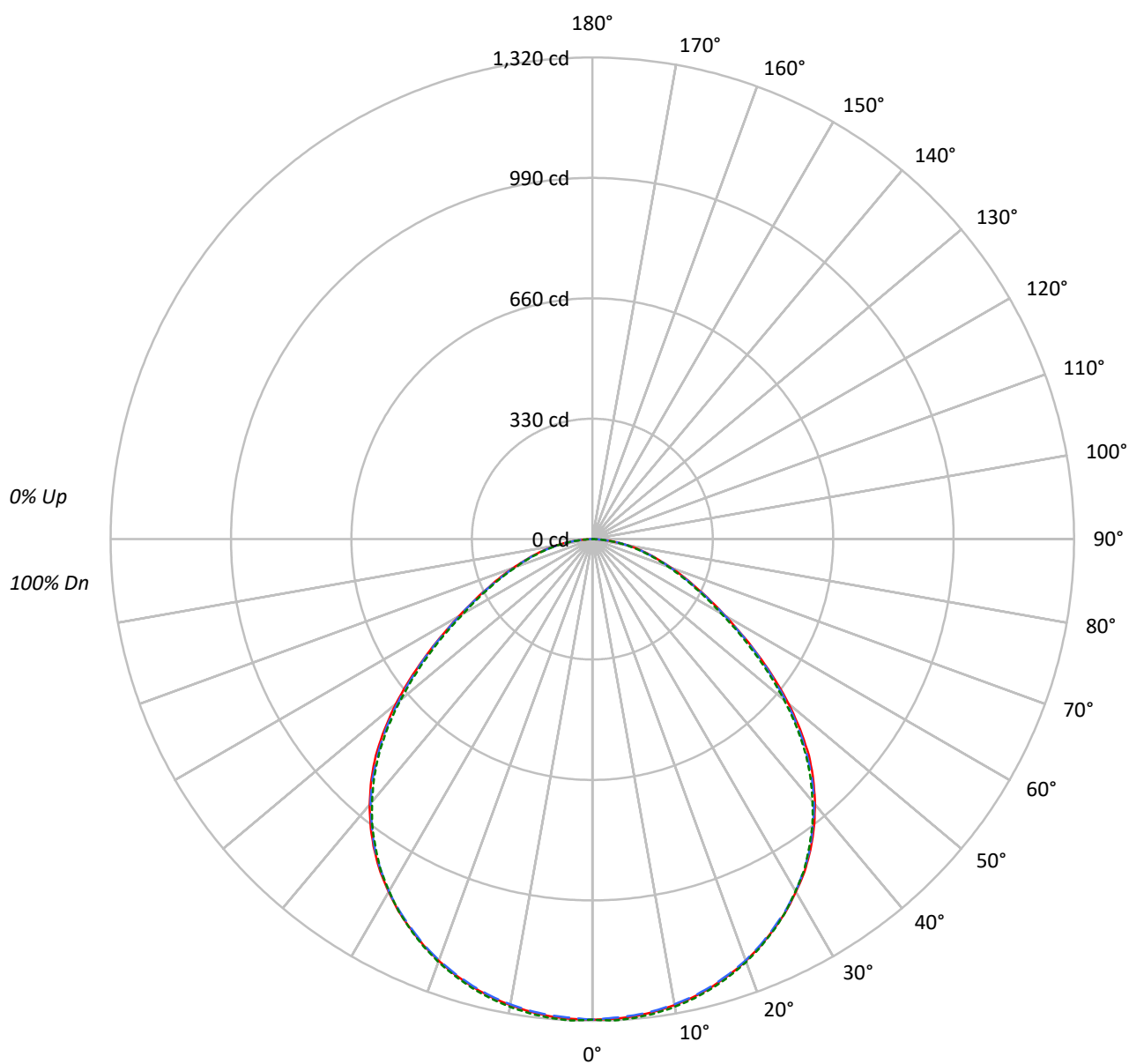
Lumens per Lamp: N/A
Luminaire Lumens: 3330.0 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 33
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: P1050974

CATALOG NUMBER: 24PTR-40-PR1-L930-UNV-STD-W

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	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°	1772	1772	1772
5°	1773	1769	1779
10°	1772	1769	1778
15°	1768	1766	1774
20°	1761	1759	1766
25°	1750	1745	1752
30°	1734	1732	1730
35°	1710	1706	1699
40°	1667	1660	1649
45°	1597	1580	1568
50°	1470	1453	1435
55°	1301	1295	1270
60°	1130	1126	1096
65°	996	990	971
70°	904	891	873
75°	837	817	802
80°	764	753	728
85°	604	599	574

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1597 cd/sqm

TEST NUMBER: P1050974

CATALOG NUMBER: 24PTR-40-PR1-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.9	3.8
10°-20°	358.5	10.8
20°-30°	543.1	16.3
30°-40°	648.3	19.5
40°-50°	637.6	19.1
50°-60°	492.8	14.8
60°-70°	310.7	9.3
70°-80°	168.1	5.0
80°-90°	45.9	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°	1026.5	30.8
0°-40°	1674.8	50.3
0°-60°	2805.3	84.2
0°-90°	3330.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3330.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1317	1317	1317	1317	1317	
5°	1313	1314	1310	1316	1317	125
15°	1270	1270	1268	1272	1274	358
25°	1178	1179	1176	1179	1180	543
35°	1041	1042	1039	1037	1034	650
45°	840	836	830	824	824	643
55°	554	559	552	543	541	498
65°	313	314	311	306	305	315
75°	161	159	157	158	154	171
85°	39	40	39	39	37	47
90°	0	0	0	0	0	

TEST NUMBER: P1050974

CATALOG NUMBER: 24PTR-40-PR1-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1316.7	1316.7	1316.7	1316.7	1316.7
2.5°	1316.2	1316.7	1313.0	1319.1	1320.5
5°	1313.0	1313.5	1310.0	1315.7	1317.3
7.5°	1306.3	1307.3	1304.0	1309.7	1311.1
10°	1296.8	1297.9	1294.6	1300.3	1301.6
12.5°	1285.2	1285.5	1282.8	1287.9	1289.3
15°	1269.6	1269.9	1267.7	1271.8	1273.7
17.5°	1251.6	1252.1	1248.8	1254.0	1254.8
20°	1230.0	1230.3	1228.4	1232.7	1233.2
22.5°	1205.8	1206.8	1203.9	1207.7	1208.2
25°	1178.5	1179.4	1175.6	1179.4	1179.9
27.5°	1149.7	1150.1	1146.8	1149.7	1149.2
30°	1116.1	1119.0	1114.7	1113.7	1113.4
32.5°	1081.3	1081.6	1077.5	1076.5	1078.4
35°	1041.2	1041.5	1038.8	1037.4	1034.5
37.5°	997.3	997.3	992.0	991.1	990.6
40°	949.1	948.6	945.3	942.1	938.6
42.5°	896.6	897.7	891.0	885.3	884.5
45°	839.5	836.3	830.1	823.6	824.1
47.5°	772.1	773.0	764.6	759.3	757.9
50°	702.2	702.2	694.3	688.6	685.7
52.5°	629.1	629.6	622.1	614.6	613.0
55°	554.5	559.2	552.1	543.2	541.3
57.5°	484.8	488.5	481.8	472.4	471.9
60°	420.1	420.5	418.6	409.6	407.2
62.5°	364.9	362.5	361.5	356.8	353.9
65°	312.9	313.5	311.1	305.7	304.9
67.5°	270.9	270.4	266.1	262.9	261.0
70°	229.8	228.4	226.5	223.8	221.9
72.5°	193.1	193.1	191.5	190.7	187.4
75°	161.0	159.1	157.2	158.1	154.3
77.5°	130.3	128.4	126.9	125.0	124.1
80°	98.6	96.7	97.2	94.3	94.0
82.5°	68.4	68.4	67.6	65.2	65.7
85°	39.1	39.6	38.8	39.1	37.2
87.5°	14.2	14.6	15.6	14.6	14.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)