

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: P1050743

Luminaire Tested: 24PTR-40-PL1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050743
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-40-PL1-L930-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

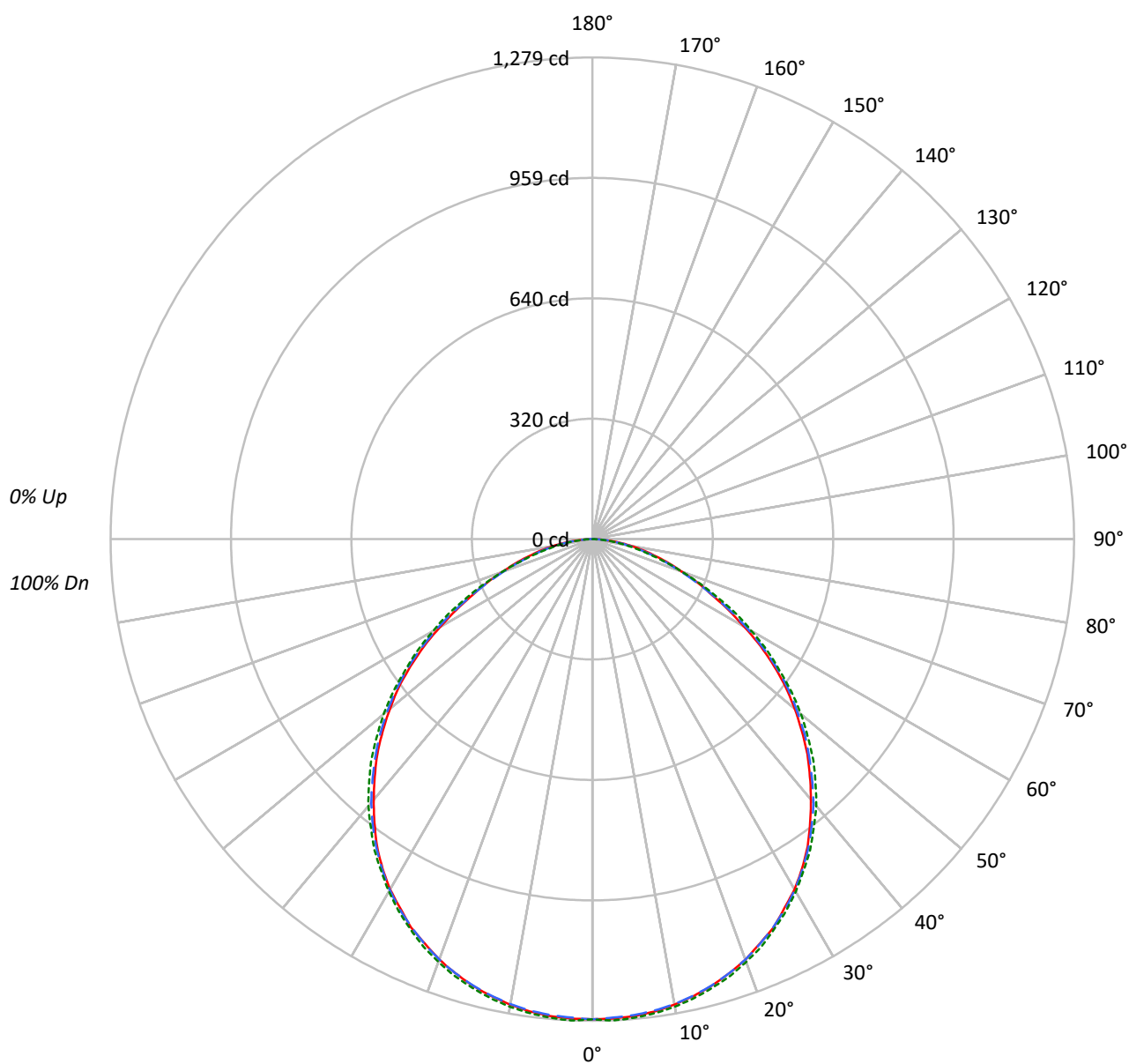
Lumens per Lamp: N/A
Luminaire Lumens: 3361.0 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1716	1716	1716
5°	1717	1714	1723
10°	1715	1713	1723
15°	1710	1709	1718
20°	1701	1701	1711
25°	1690	1687	1696
30°	1668	1671	1679
35°	1636	1643	1656
40°	1586	1604	1625
45°	1536	1549	1579
50°	1469	1484	1514
55°	1383	1405	1422
60°	1255	1281	1313
65°	1114	1126	1172
70°	996	976	1000
75°	899	847	830
80°	817	758	673
85°	692	628	540

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1579 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.9	3.6
10°-20°	346.9	10.3
20°-30°	524.7	15.6
30°-40°	625.5	18.6
40°-50°	628.9	18.7
50°-60°	533.8	15.9
60°-70°	355.4	10.6
70°-80°	177.5	5.3
80°-90°	47.5	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°	992.6	29.5
0°-40°	1618.0	48.1
0°-60°	2780.7	82.7
0°-90°	3361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3361.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1275	1275	1275	1275	1275	
5°	1271	1272	1269	1275	1276	121
15°	1227	1229	1227	1232	1233	346
25°	1138	1138	1137	1142	1143	523
35°	996	997	1000	1007	1008	621
45°	807	809	814	825	830	621
55°	590	594	599	605	606	525
65°	350	353	354	359	368	351
75°	173	170	163	159	160	186
85°	45	44	41	38	35	52
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1275.1	1275.1	1275.1	1275.1	1275.1
2.5°	1274.0	1275.1	1271.6	1277.8	1279.4
5°	1271.3	1271.6	1268.9	1274.6	1275.9
7.5°	1265.1	1265.6	1262.7	1268.9	1269.8
10°	1255.2	1256.2	1253.8	1259.5	1260.8
12.5°	1242.5	1243.8	1241.4	1247.6	1248.6
15°	1227.4	1228.7	1226.8	1232.0	1233.0
17.5°	1208.8	1209.8	1208.8	1213.6	1216.4
20°	1188.0	1188.0	1188.0	1192.3	1194.7
22.5°	1162.1	1164.5	1163.5	1169.2	1171.6
25°	1138.1	1138.1	1136.6	1141.9	1142.7
27.5°	1104.5	1108.2	1107.9	1112.5	1113.5
30°	1073.7	1074.8	1075.3	1078.5	1080.4
32.5°	1036.5	1037.3	1038.9	1043.5	1044.0
35°	996.3	997.3	1000.1	1007.1	1008.1
37.5°	949.6	954.8	957.2	964.7	965.6
40°	902.8	906.0	913.2	921.1	924.9
42.5°	855.0	858.8	863.1	873.9	877.3
45°	807.3	808.7	814.0	824.8	829.6
47.5°	754.4	758.7	763.4	772.8	775.7
50°	701.6	706.2	709.1	717.5	723.2
52.5°	648.2	652.5	655.7	660.9	666.5
55°	589.6	593.8	599.1	604.8	606.1
57.5°	530.1	534.7	538.1	544.2	550.3
60°	466.2	471.5	476.2	481.8	488.0
62.5°	406.8	409.1	413.9	423.3	432.2
65°	350.0	352.9	353.8	359.1	368.0
67.5°	302.8	302.8	298.5	300.4	310.4
70°	253.2	251.3	248.0	246.2	254.2
72.5°	213.0	210.6	203.6	200.3	204.6
75°	172.9	170.5	162.9	159.1	159.6
77.5°	138.9	135.1	128.9	122.4	121.0
80°	105.4	103.9	97.8	91.7	86.9
82.5°	74.7	71.4	68.0	64.2	60.4
85°	44.8	43.9	40.7	38.3	35.0
87.5°	18.4	18.4	17.5	16.5	15.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)