

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: P1050201

Luminaire Tested: PTR-14-40-PC3-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050201
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-40-PC3-L840-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

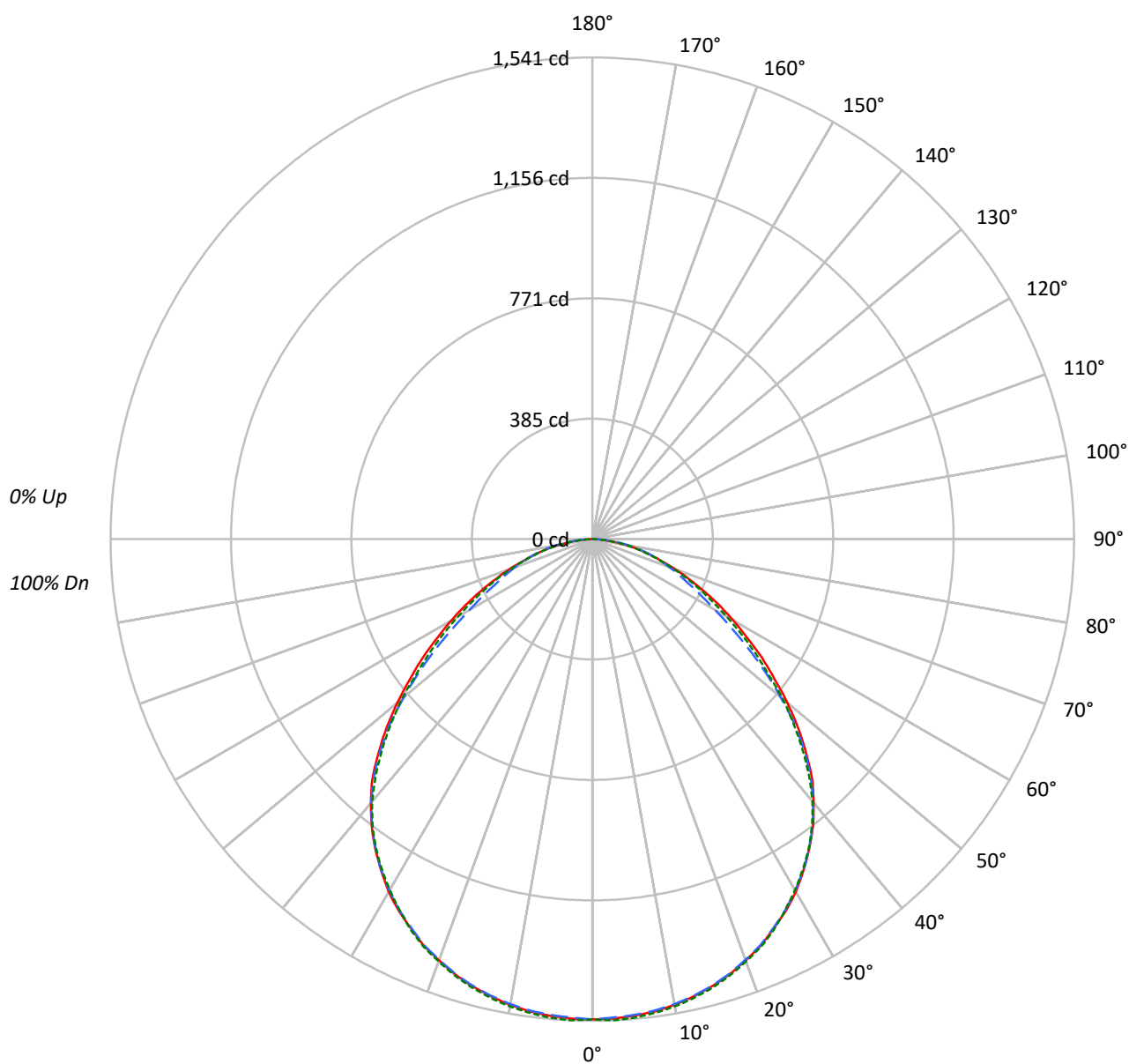
Lumens per Lamp: N/A
Luminaire Lumens: 3873.1 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.1
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	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	87	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	72
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4134	4134	4134
5°	4135	4128	4152
10°	4135	4127	4150
15°	4125	4121	4139
20°	4107	4101	4118
25°	4079	4073	4089
30°	4048	4035	4028
35°	3975	3971	3964
40°	3870	3864	3847
45°	3680	3653	3616
50°	3407	3292	3329
55°	3109	2857	2985
60°	2803	2437	2673
65°	2506	2180	2404
70°	2223	2062	2161
75°	1966	1999	1927
80°	1695	1909	1686
85°	1269	1510	1269

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3689 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.7	3.8
10°-20°	418.2	10.8
20°-30°	633.2	16.3
30°-40°	755.0	19.5
40°-50°	737.7	19.0
50°-60°	564.1	14.6
60°-70°	362.2	9.4
70°-80°	201.5	5.2
80°-90°	55.7	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°	1197.2	30.9
0°-40°	1952.1	50.4
0°-60°	3253.9	84.0
0°-90°	3873.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3873.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1536	1536	1536	1536	1536	
5°	1531	1532	1528	1535	1537	146
15°	1481	1482	1479	1484	1486	418
25°	1374	1375	1372	1376	1377	634
35°	1210	1211	1209	1208	1207	756
45°	967	969	960	958	950	744
55°	663	640	609	616	636	592
65°	394	363	342	354	378	392
75°	189	191	192	190	185	202
85°	41	48	49	47	41	51
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1536.3	1536.3	1536.3	1536.3	1536.3
2.5°	1535.3	1535.9	1531.9	1538.5	1540.7
5°	1530.9	1531.9	1528.1	1535.3	1536.9
7.5°	1524.3	1525.3	1521.5	1528.7	1529.3
10°	1513.3	1513.9	1510.5	1517.7	1518.7
12.5°	1498.5	1500.1	1496.3	1502.9	1503.3
15°	1480.8	1482.0	1479.2	1484.2	1485.8
17.5°	1460.0	1460.6	1457.8	1463.2	1463.8
20°	1434.1	1434.1	1431.9	1438.0	1438.0
22.5°	1407.7	1406.1	1405.5	1407.7	1411.1
25°	1373.8	1375.4	1371.6	1376.0	1377.0
27.5°	1340.8	1340.8	1337.4	1339.6	1336.8
30°	1302.9	1300.7	1298.5	1298.9	1296.3
32.5°	1257.2	1257.2	1256.2	1256.2	1252.8
35°	1210.0	1211.0	1208.9	1208.3	1206.7
37.5°	1159.3	1161.1	1157.1	1156.1	1154.9
40°	1101.6	1101.6	1100.0	1097.8	1095.1
42.5°	1041.7	1041.7	1034.8	1029.2	1025.4
45°	967.1	969.3	959.9	957.7	950.1
47.5°	892.8	891.2	878.6	877.0	872.6
50°	813.8	804.4	786.4	791.2	795.2
52.5°	734.7	723.1	696.8	702.2	708.7
55°	662.6	639.7	608.9	616.5	636.3
57.5°	587.4	556.6	525.9	540.2	564.8
60°	520.9	486.3	452.8	468.2	496.7
62.5°	457.2	420.5	393.5	408.3	432.4
65°	393.5	363.2	342.4	353.8	377.5
67.5°	335.2	314.8	300.7	306.1	325.2
70°	282.5	269.7	262.1	263.7	274.7
72.5°	232.4	229.2	226.4	226.4	227.4
75°	189.1	190.7	192.3	189.7	185.3
77.5°	148.9	154.3	158.3	152.7	147.3
80°	109.4	118.2	123.2	117.0	108.8
82.5°	74.7	84.6	86.2	82.5	73.1
85°	41.1	48.3	48.9	47.3	41.1
87.5°	15.4	18.2	19.8	18.2	16.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)