

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: P1050303

Luminaire Tested: PTR-14-40-PLG-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050303
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: PTR-14-40-PLG-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

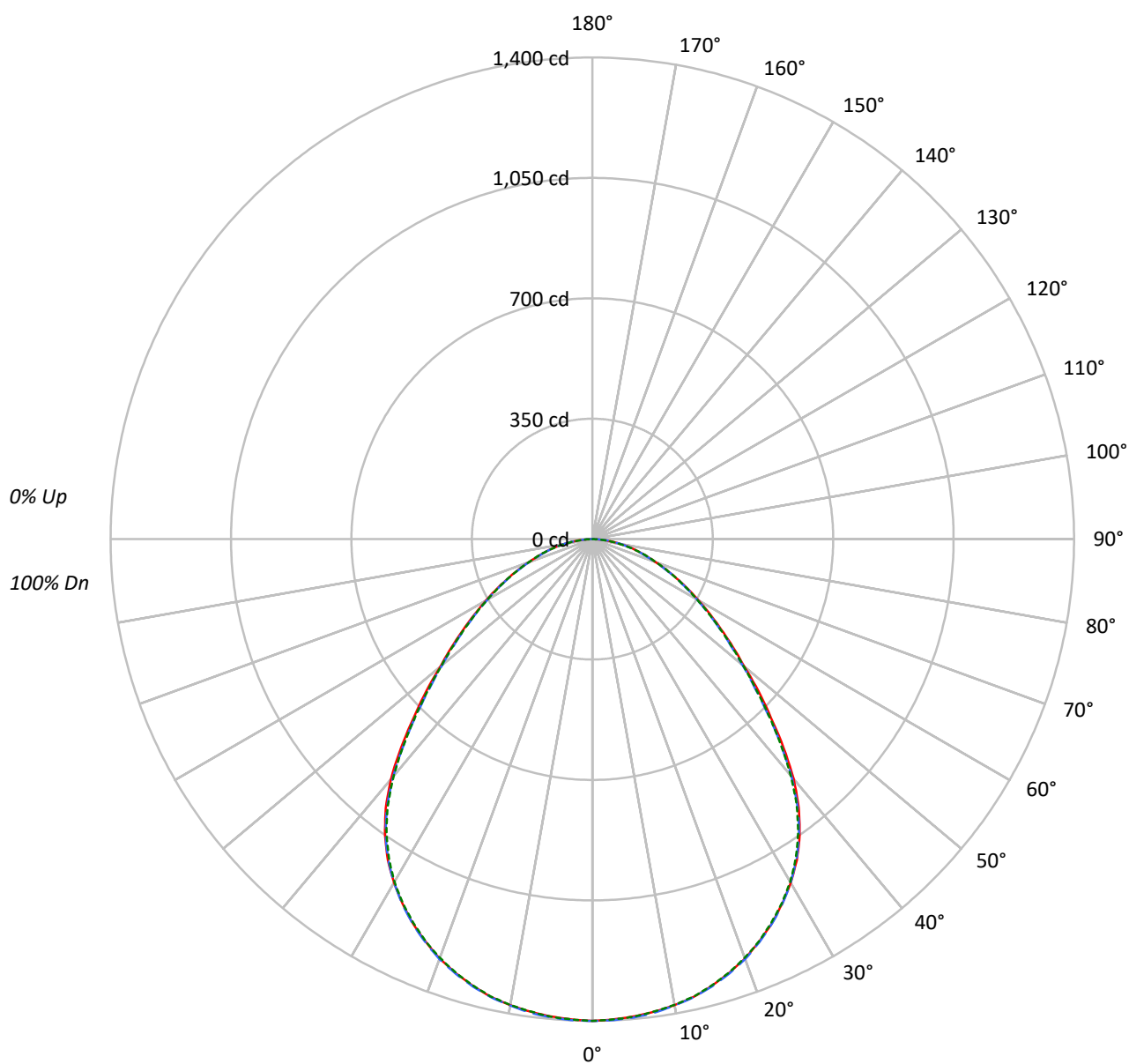
Lumens per Lamp: N/A
Luminaire Lumens: 3155.5 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	3768	3768	3768
5°	3761	3769	3764
10°	3759	3761	3756
15°	3743	3749	3741
20°	3714	3720	3708
25°	3662	3665	3653
30°	3582	3582	3573
35°	3451	3441	3425
40°	3198	3163	3153
45°	2795	2750	2761
50°	2413	2384	2397
55°	2145	2112	2117
60°	1920	1893	1893
65°	1721	1709	1715
70°	1548	1533	1548
75°	1437	1416	1437
80°	1340	1325	1278
85°	1136	1136	1013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2795 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.6	4.2
10°-20°	379.4	12.0
20°-30°	567.7	18.0
30°-40°	650.4	20.6
40°-50°	562.5	17.8
50°-60°	407.1	12.9
60°-70°	268.1	8.5
70°-80°	146.0	4.6
80°-90°	41.8	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°	1079.6	34.2
0°-40°	1730.0	54.8
0°-60°	2699.6	85.6
0°-90°	3155.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3155.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1400	1400	1400	1400	1400	
5°	1392	1395	1395	1395	1393	132
15°	1344	1345	1346	1348	1343	379
25°	1233	1233	1234	1235	1230	567
35°	1050	1050	1048	1047	1043	653
45°	734	732	723	722	726	569
55°	457	455	450	447	451	412
65°	270	272	268	266	269	270
75°	138	138	136	136	138	147
85°	37	37	37	38	33	43
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1400.4	1400.4	1400.4	1400.4	1400.4
2.5°	1397.4	1400.4	1399.4	1400.4	1397.4
5°	1392.4	1395.4	1395.4	1395.4	1393.4
7.5°	1385.5	1387.5	1388.5	1389.5	1384.5
10°	1375.5	1377.5	1376.5	1378.5	1374.6
12.5°	1362.6	1362.6	1363.6	1365.6	1361.6
15°	1343.7	1344.7	1345.7	1347.7	1342.7
17.5°	1321.9	1322.9	1323.9	1324.9	1320.9
20°	1297.0	1297.0	1299.0	1300.0	1295.0
22.5°	1266.2	1266.2	1268.2	1271.2	1265.2
25°	1233.4	1233.4	1234.4	1235.4	1230.4
27.5°	1194.7	1194.7	1195.7	1198.6	1192.7
30°	1152.9	1151.9	1152.9	1153.9	1149.9
32.5°	1106.2	1105.2	1104.2	1105.2	1100.2
35°	1050.5	1049.5	1047.6	1046.6	1042.6
37.5°	985.9	984.0	980.0	980.0	976.0
40°	910.4	905.4	900.5	898.5	897.5
42.5°	822.9	819.0	812.0	811.0	811.0
45°	734.5	732.5	722.6	721.6	725.5
47.5°	655.0	650.0	641.1	639.1	645.0
50°	576.5	577.5	569.5	566.5	572.5
52.5°	514.8	512.8	505.9	503.9	508.9
55°	457.2	455.2	450.2	447.3	451.2
57.5°	404.5	403.5	398.6	397.6	399.5
60°	356.8	355.8	351.8	350.8	351.8
62.5°	312.1	312.1	308.1	306.1	309.1
65°	270.3	272.3	268.4	266.4	269.3
67.5°	232.6	234.6	230.6	228.6	232.6
70°	196.8	198.8	194.8	192.8	196.8
72.5°	166.0	167.0	164.0	163.0	168.0
75°	138.2	138.2	136.2	136.2	138.2
77.5°	112.3	111.3	110.3	110.3	108.3
80°	86.5	85.5	85.5	85.5	82.5
82.5°	61.6	59.6	60.6	61.6	56.7
85°	36.8	36.8	36.8	37.8	32.8
87.5°	14.9	14.9	13.9	14.9	12.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)