

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: P1050444

Luminaire Tested: PTR-14-40-PW1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050444
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-40-PW1-L830-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

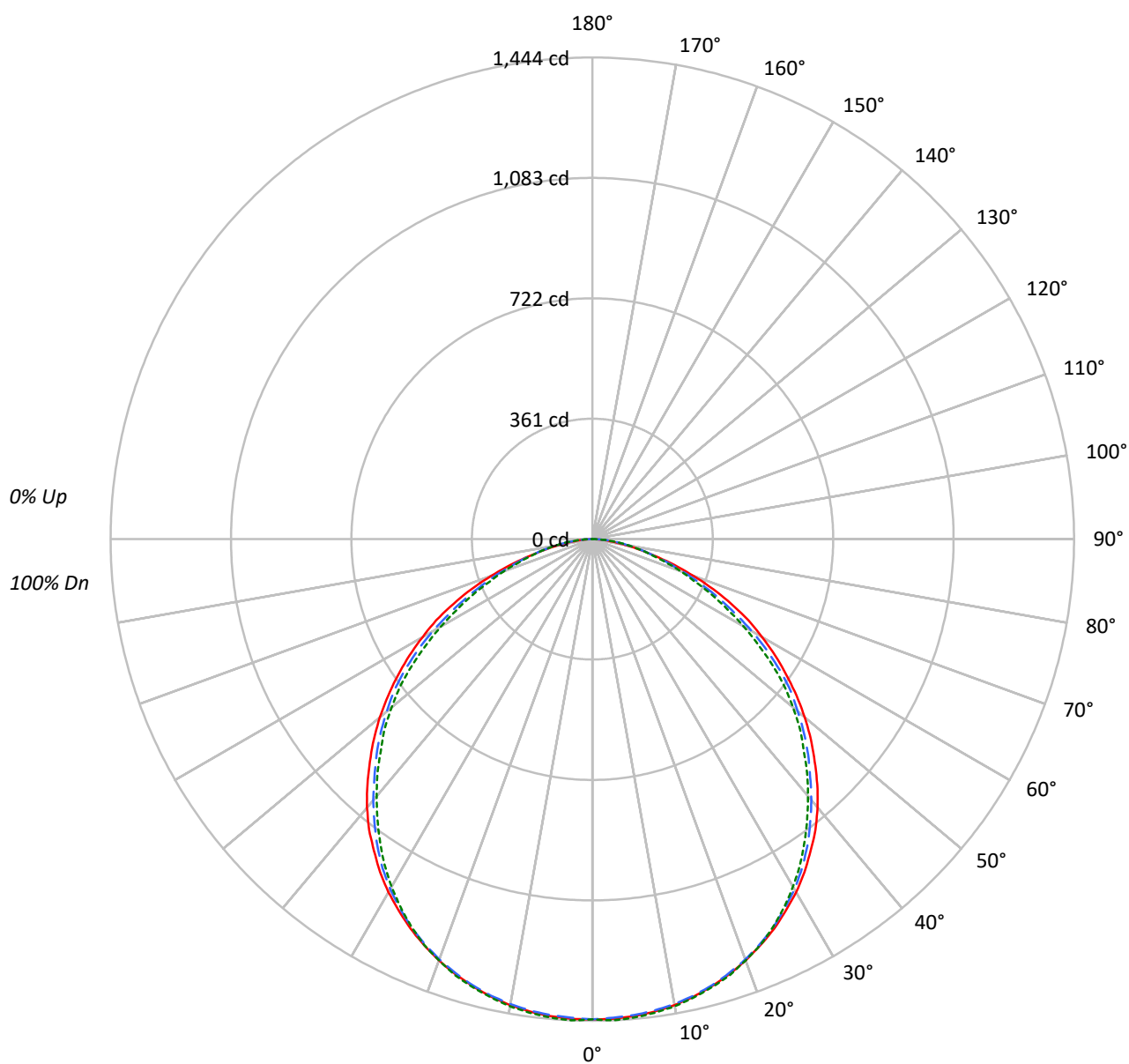
Lumens per Lamp: N/A
Luminaire Lumens: 3820.8 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3874	3874	3874
5°	3878	3869	3889
10°	3876	3867	3886
15°	3864	3858	3873
20°	3848	3839	3848
25°	3827	3811	3808
30°	3798	3765	3738
35°	3747	3690	3643
40°	3690	3589	3532
45°	3588	3481	3411
50°	3479	3365	3288
55°	3334	3221	3093
60°	3161	2975	2819
65°	2924	2656	2524
70°	2535	2312	2225
75°	2023	1980	1925
80°	1539	1719	1719
85°	1136	1467	1467

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3588 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.5	3.6
10°-20°	391.6	10.2
20°-30°	591.9	15.5
30°-40°	702.8	18.4
40°-50°	708.0	18.5
50°-60°	612.0	16.0
60°-70°	418.3	10.9
70°-80°	206.3	5.4
80°-90°	53.3	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°	1120.0	29.3
0°-40°	1822.8	47.7
0°-60°	3142.9	82.3
0°-90°	3820.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3820.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1440	1440	1440	1440	1440	
5°	1436	1436	1432	1438	1440	136
15°	1387	1389	1385	1390	1390	392
25°	1289	1288	1284	1285	1282	594
35°	1141	1137	1123	1113	1109	714
45°	943	932	915	904	896	728
55°	711	708	687	666	659	635
65°	459	443	417	399	396	453
75°	195	193	190	190	185	212
85°	37	43	48	48	48	45
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1439.7	1439.7	1439.7	1439.7	1439.7
2.5°	1439.4	1439.7	1436.1	1442.5	1444.0
5°	1435.5	1436.1	1432.4	1438.2	1439.7
7.5°	1428.7	1429.7	1425.4	1431.2	1432.4
10°	1418.4	1419.0	1415.3	1421.1	1422.3
12.5°	1404.7	1405.0	1401.9	1407.2	1407.2
15°	1387.0	1388.6	1384.9	1389.7	1390.1
17.5°	1367.2	1367.8	1364.1	1369.4	1370.5
20°	1343.8	1343.8	1340.7	1344.9	1343.8
22.5°	1317.6	1317.6	1313.9	1316.1	1317.0
25°	1288.9	1287.8	1283.5	1284.7	1282.5
27.5°	1255.8	1255.8	1248.2	1248.2	1244.5
30°	1222.2	1219.5	1211.6	1206.7	1203.0
32.5°	1183.7	1180.0	1169.9	1161.4	1158.7
35°	1140.6	1136.8	1123.4	1113.3	1109.0
37.5°	1098.9	1090.4	1072.8	1062.7	1057.9
40°	1050.3	1039.6	1021.6	1007.6	1005.5
42.5°	998.1	989.6	966.2	955.9	953.4
45°	942.7	932.4	914.8	904.1	896.2
47.5°	888.2	880.7	860.5	847.7	845.0
50°	831.0	824.6	803.9	790.1	785.3
52.5°	771.9	767.7	750.0	732.4	726.6
55°	710.7	708.5	686.6	666.3	659.3
57.5°	650.4	647.7	620.3	596.9	590.5
60°	587.4	579.4	552.7	530.8	523.8
62.5°	527.7	510.6	481.7	464.7	456.7
65°	459.2	442.8	417.2	398.9	396.4
67.5°	392.2	372.4	352.6	341.4	332.8
70°	322.2	308.8	293.9	284.4	282.8
72.5°	257.0	247.5	240.0	234.2	229.3
75°	194.6	193.1	190.4	190.4	185.1
77.5°	143.1	146.7	148.9	148.3	149.5
80°	99.3	106.6	110.9	111.5	110.9
82.5°	63.0	71.5	78.5	79.5	80.6
85°	36.8	43.2	47.5	48.5	47.5
87.5°	16.5	20.7	21.9	22.9	21.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)