

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: P1050266

Luminaire Tested: PTR-14-60-PL1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050266
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: PTR-14-60-PL1-L930-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

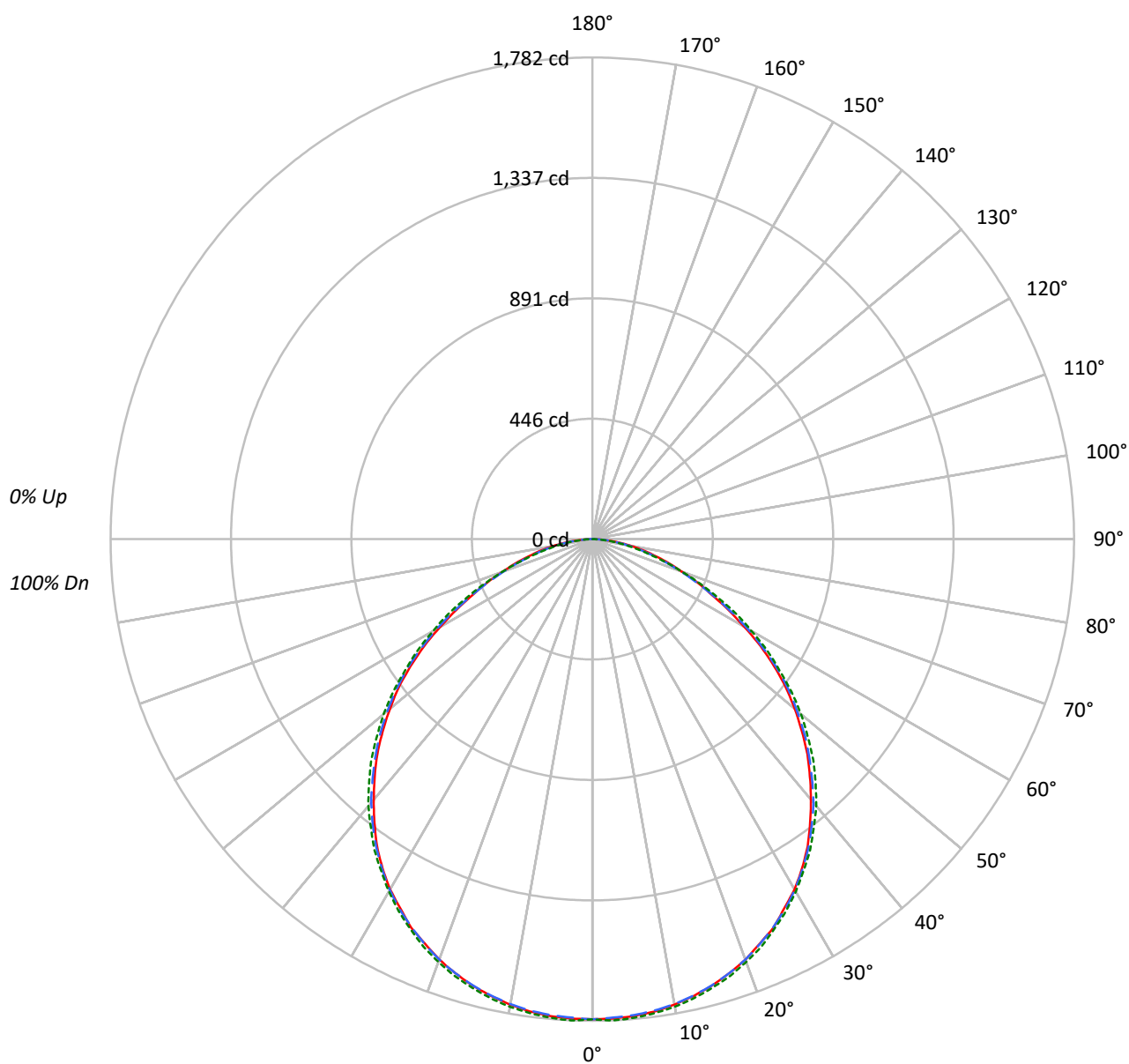
Lumens per Lamp: N/A
Luminaire Lumens: 4682.8 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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	96	98	95	93	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4781	4781	4781
5°	4784	4776	4802
10°	4779	4773	4800
15°	4764	4762	4786
20°	4740	4740	4767
25°	4708	4702	4727
30°	4648	4655	4677
35°	4560	4577	4614
40°	4418	4470	4527
45°	4281	4316	4399
50°	4092	4136	4218
55°	3854	3916	3962
60°	3496	3570	3659
65°	3105	3138	3265
70°	2776	2719	2787
75°	2504	2360	2312
80°	2275	2112	1875
85°	1927	1751	1507

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4399 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.5	3.6
10°-20°	483.3	10.3
20°-30°	731.1	15.6
30°-40°	871.4	18.6
40°-50°	876.3	18.7
50°-60°	743.7	15.9
60°-70°	495.2	10.6
70°-80°	247.2	5.3
80°-90°	66.1	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°	1382.9	29.5
0°-40°	2254.3	48.1
0°-60°	3874.3	82.7
0°-90°	4682.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4682.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1776	1776	1776	1776	1776	
5°	1771	1772	1768	1776	1778	168
15°	1710	1712	1709	1716	1718	482
25°	1586	1586	1584	1591	1592	729
35°	1388	1390	1393	1403	1405	866
45°	1125	1127	1134	1149	1156	865
55°	822	827	835	843	844	732
65°	488	492	493	500	513	489
75°	241	238	227	222	222	259
85°	62	61	57	53	49	72
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1776.5	1776.5	1776.5	1776.5	1776.5
2.5°	1775.1	1776.5	1771.7	1780.3	1782.5
5°	1771.2	1771.7	1767.9	1775.8	1777.7
7.5°	1762.6	1763.4	1759.3	1767.9	1769.1
10°	1748.8	1750.2	1746.9	1754.7	1756.7
12.5°	1731.1	1733.0	1729.6	1738.2	1739.7
15°	1710.0	1711.9	1709.3	1716.5	1717.9
17.5°	1684.2	1685.6	1684.2	1690.9	1694.7
20°	1655.3	1655.3	1655.3	1661.2	1664.6
22.5°	1619.1	1622.5	1621.1	1628.9	1632.3
25°	1585.7	1585.7	1583.5	1590.9	1592.1
27.5°	1538.8	1544.0	1543.6	1550.0	1551.5
30°	1496.0	1497.4	1498.1	1502.7	1505.3
32.5°	1444.1	1445.3	1447.4	1453.9	1454.6
35°	1388.1	1389.5	1393.4	1403.2	1404.6
37.5°	1323.1	1330.2	1333.6	1344.1	1345.3
40°	1257.8	1262.3	1272.4	1283.4	1288.6
42.5°	1191.3	1196.5	1202.5	1217.6	1222.4
45°	1124.8	1126.7	1134.1	1149.2	1155.9
47.5°	1051.1	1057.1	1063.6	1076.7	1080.8
50°	977.5	983.9	988.0	999.7	1007.6
52.5°	903.1	909.1	913.6	920.8	928.7
55°	821.5	827.3	834.7	842.6	844.5
57.5°	738.5	745.0	749.8	758.1	766.8
60°	649.6	657.0	663.4	671.3	679.9
62.5°	566.8	569.9	576.6	589.8	602.2
65°	487.7	491.7	492.9	500.3	512.8
67.5°	421.9	421.9	415.9	418.5	432.4
70°	352.8	350.1	345.6	343.0	354.2
72.5°	296.8	293.5	283.6	279.1	285.1
75°	240.8	237.5	227.0	221.7	222.4
77.5°	193.5	188.2	179.6	170.5	168.6
80°	146.8	144.7	136.3	127.7	121.0
82.5°	104.0	99.5	94.7	89.4	84.2
85°	62.4	61.2	56.7	53.3	48.8
87.5°	25.6	25.6	24.4	23.0	21.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)