

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: P1050298

Luminaire Tested: PTR-14-40-PLG-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050298
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-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

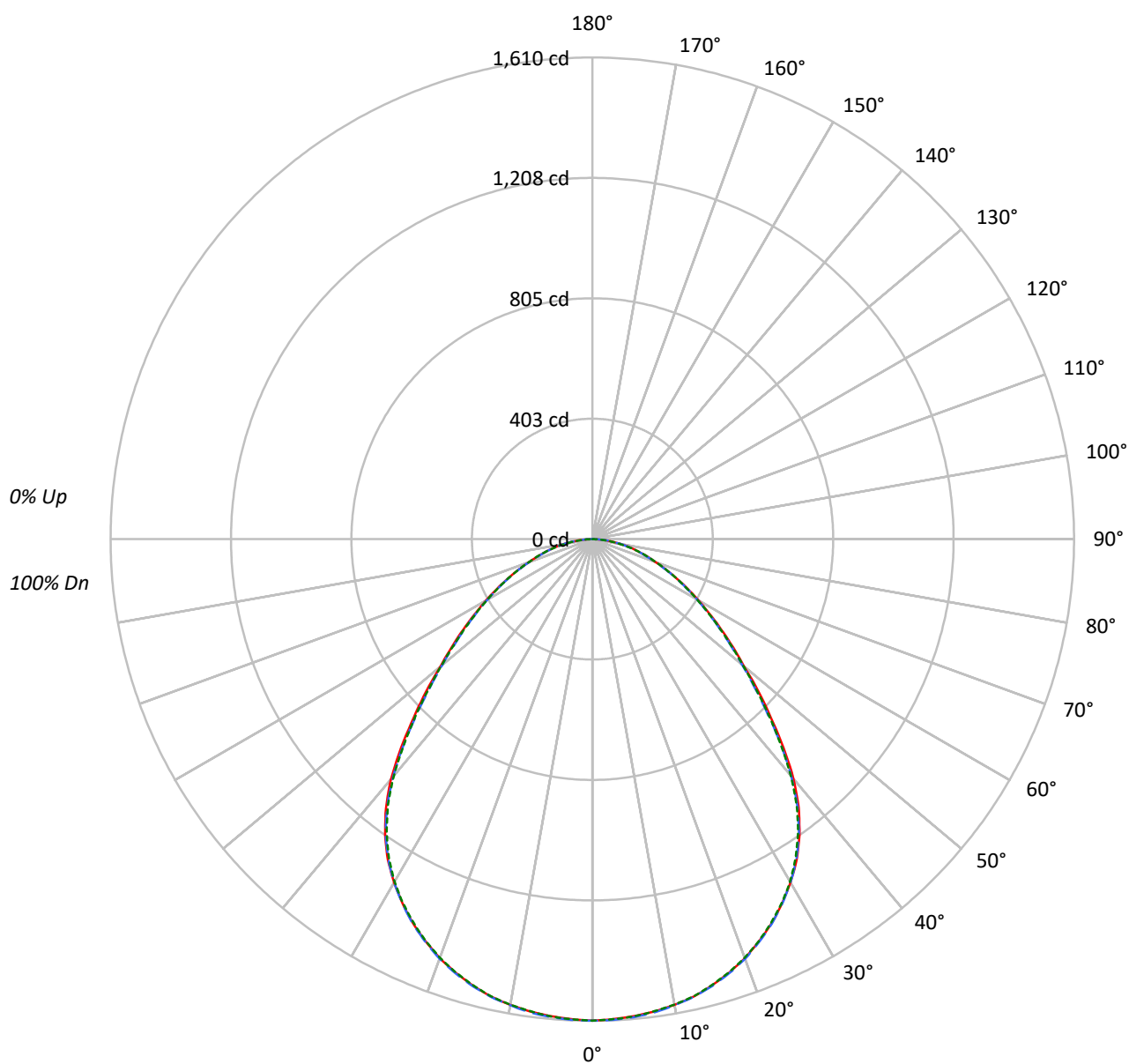
Lumens per Lamp: N/A
Luminaire Lumens: 3627.0 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	4331	4331	4331
5°	4323	4333	4326
10°	4320	4323	4317
15°	4303	4309	4300
20°	4269	4276	4263
25°	4209	4213	4199
30°	4118	4118	4107
35°	3967	3956	3937
40°	3676	3636	3624
45°	3213	3161	3174
50°	2774	2740	2755
55°	2465	2428	2434
60°	2207	2176	2176
65°	1978	1964	1971
70°	1780	1762	1780
75°	1651	1627	1651
80°	1540	1522	1469
85°	1306	1306	1164

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3213 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.4	4.2
10°-20°	436.1	12.0
20°-30°	652.5	18.0
30°-40°	747.6	20.6
40°-50°	646.5	17.8
50°-60°	467.9	12.9
60°-70°	308.2	8.5
70°-80°	167.8	4.6
80°-90°	48.1	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°	1240.9	34.2
0°-40°	1988.5	54.8
0°-60°	3102.9	85.6
0°-90°	3627.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3627.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1610	1610	1610	1610	1610	
5°	1600	1604	1604	1604	1602	152
15°	1544	1546	1547	1549	1543	436
25°	1418	1418	1419	1420	1414	652
35°	1208	1206	1204	1203	1198	750
45°	844	842	830	829	834	654
55°	526	523	518	514	519	473
65°	311	313	308	306	310	310
75°	159	159	156	156	159	169
85°	42	42	42	43	38	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1609.6	1609.6	1609.6	1609.6	1609.6
2.5°	1606.2	1609.6	1608.5	1609.6	1606.2
5°	1600.5	1603.9	1603.9	1603.9	1601.6
7.5°	1592.5	1594.8	1595.9	1597.1	1591.4
10°	1581.1	1583.4	1582.2	1584.5	1579.9
12.5°	1566.2	1566.2	1567.4	1569.7	1565.1
15°	1544.5	1545.7	1546.8	1549.1	1543.4
17.5°	1519.4	1520.5	1521.7	1522.8	1518.3
20°	1490.8	1490.8	1493.1	1494.3	1488.6
22.5°	1455.4	1455.4	1457.7	1461.1	1454.3
25°	1417.7	1417.7	1418.9	1420.0	1414.3
27.5°	1373.2	1373.2	1374.3	1377.7	1370.9
30°	1325.2	1324.0	1325.2	1326.3	1321.8
32.5°	1271.5	1270.4	1269.2	1270.4	1264.6
35°	1207.5	1206.4	1204.1	1203.0	1198.4
37.5°	1133.3	1131.0	1126.4	1126.4	1121.8
40°	1046.4	1040.7	1035.0	1032.7	1031.6
42.5°	945.9	941.3	933.3	932.2	932.2
45°	844.2	842.0	830.5	829.4	834.0
47.5°	752.8	747.1	736.9	734.6	741.4
50°	662.6	663.7	654.6	651.2	658.0
52.5°	591.8	589.5	581.5	579.2	584.9
55°	525.5	523.2	517.5	514.1	518.7
57.5°	465.0	463.8	458.1	457.0	459.2
60°	410.1	409.0	404.4	403.3	404.4
62.5°	358.7	358.7	354.1	351.9	355.3
65°	310.7	313.0	308.4	306.2	309.6
67.5°	267.3	269.6	265.0	262.8	267.3
70°	226.2	228.5	223.9	221.6	226.2
72.5°	190.8	191.9	188.5	187.4	193.1
75°	158.8	158.8	156.5	156.5	158.8
77.5°	129.1	127.9	126.8	126.8	124.5
80°	99.4	98.2	98.2	98.2	94.8
82.5°	70.8	68.5	69.7	70.8	65.1
85°	42.3	42.3	42.3	43.4	37.7
87.5°	17.1	17.1	16.0	17.1	14.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)