

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: P1050287

Luminaire Tested: PTR-14-20-PLG-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050287
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-14-20-PLG-L940-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

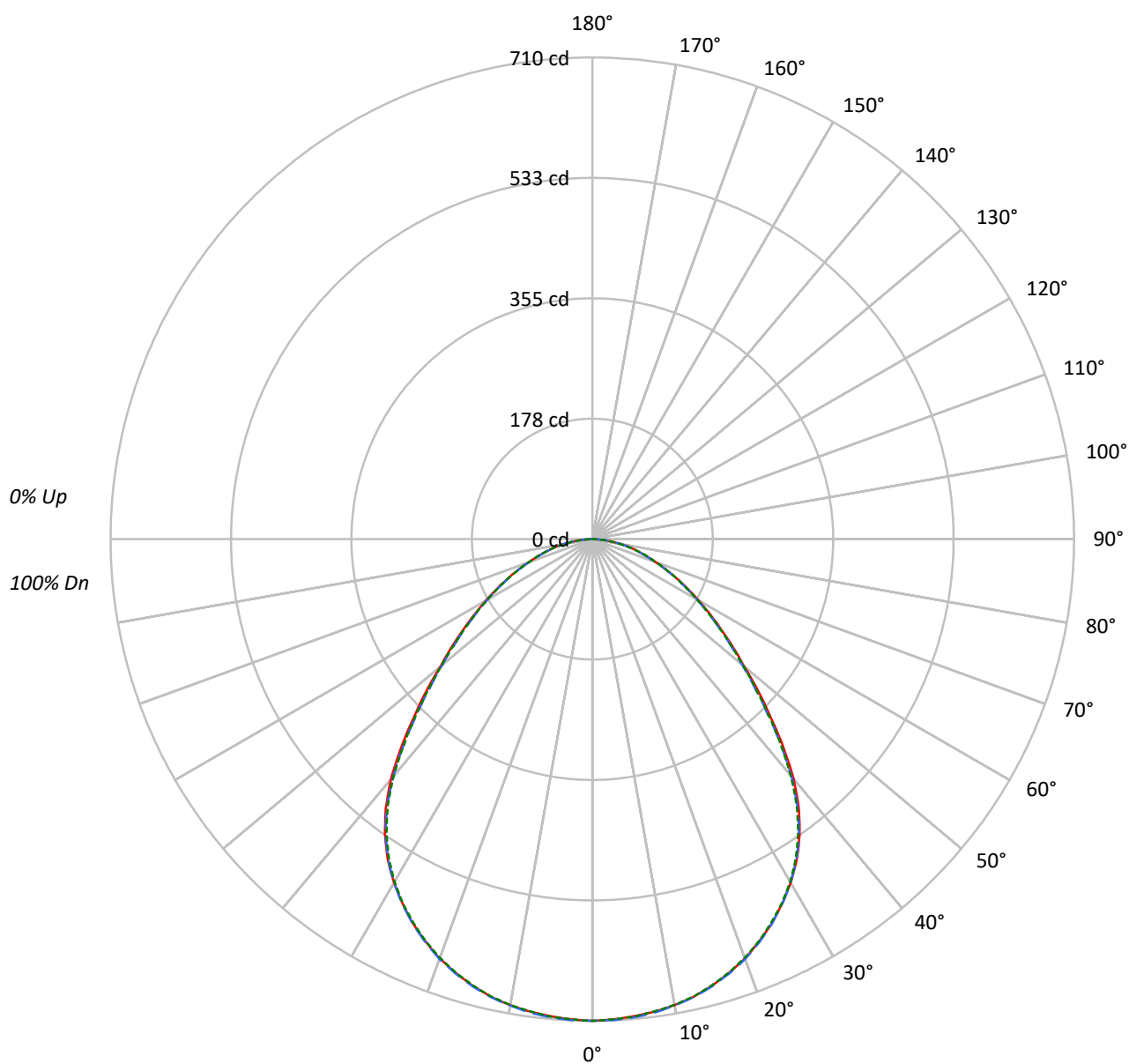
Lumens per Lamp: N/A
Luminaire Lumens: 1600.0 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16
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°	1911	1911	1911
5°	1907	1911	1908
10°	1906	1907	1905
15°	1898	1901	1897
20°	1883	1886	1881
25°	1857	1858	1852
30°	1817	1817	1812
35°	1750	1745	1737
40°	1622	1604	1599
45°	1417	1394	1400
50°	1224	1209	1215
55°	1088	1071	1073
60°	974	960	960
65°	873	867	870
70°	785	777	785
75°	729	717	729
80°	679	671	648
85°	574	574	513

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1417 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.2	4.2
10°-20°	192.4	12.0
20°-30°	287.8	18.0
30°-40°	329.8	20.6
40°-50°	285.2	17.8
50°-60°	206.4	12.9
60°-70°	136.0	8.5
70°-80°	74.0	4.6
80°-90°	21.2	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°	547.4	34.2
0°-40°	877.2	54.8
0°-60°	1368.8	85.6
0°-90°	1600.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1600.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	710	710	710	710	710	
5°	706	708	708	708	706	67
15°	681	682	682	683	681	192
25°	625	625	626	626	624	288
35°	533	532	531	531	529	331
45°	372	371	366	366	368	288
55°	232	231	228	227	229	209
65°	137	138	136	135	137	137
75°	70	70	69	69	70	75
85°	19	19	19	19	17	22
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	710.1	710.1	710.1	710.1	710.1
2.5°	708.6	710.1	709.6	710.1	708.6
5°	706.0	707.6	707.6	707.6	706.5
7.5°	702.5	703.5	704.0	704.5	702.0
10°	697.5	698.5	698.0	699.0	697.0
12.5°	690.9	690.9	691.4	692.4	690.4
15°	681.4	681.9	682.4	683.4	680.8
17.5°	670.3	670.8	671.3	671.8	669.8
20°	657.7	657.7	658.7	659.2	656.7
22.5°	642.0	642.0	643.1	644.6	641.5
25°	625.4	625.4	625.9	626.4	623.9
27.5°	605.8	605.8	606.3	607.8	604.8
30°	584.6	584.1	584.6	585.1	583.1
32.5°	560.9	560.4	559.9	560.4	557.9
35°	532.7	532.2	531.2	530.7	528.7
37.5°	499.9	498.9	496.9	496.9	494.9
40°	461.6	459.1	456.6	455.6	455.1
42.5°	417.3	415.3	411.7	411.2	411.2
45°	372.4	371.4	366.4	365.9	367.9
47.5°	332.1	329.6	325.1	324.0	327.1
50°	292.3	292.8	288.8	287.3	290.3
52.5°	261.1	260.0	256.5	255.5	258.0
55°	231.8	230.8	228.3	226.8	228.8
57.5°	205.1	204.6	202.1	201.6	202.6
60°	180.9	180.4	178.4	177.9	178.4
62.5°	158.2	158.2	156.2	155.2	156.7
65°	137.1	138.1	136.1	135.1	136.6
67.5°	117.9	118.9	116.9	115.9	117.9
70°	99.8	100.8	98.8	97.8	99.8
72.5°	84.2	84.7	83.2	82.6	85.2
75°	70.1	70.1	69.0	69.0	70.1
77.5°	56.9	56.4	55.9	55.9	54.9
80°	43.8	43.3	43.3	43.3	41.8
82.5°	31.2	30.2	30.7	31.2	28.7
85°	18.6	18.6	18.6	19.2	16.6
87.5°	7.6	7.6	7.1	7.6	6.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)