

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: P1050284

Luminaire Tested: PTR-14-20-PLG-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050284
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-L935-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

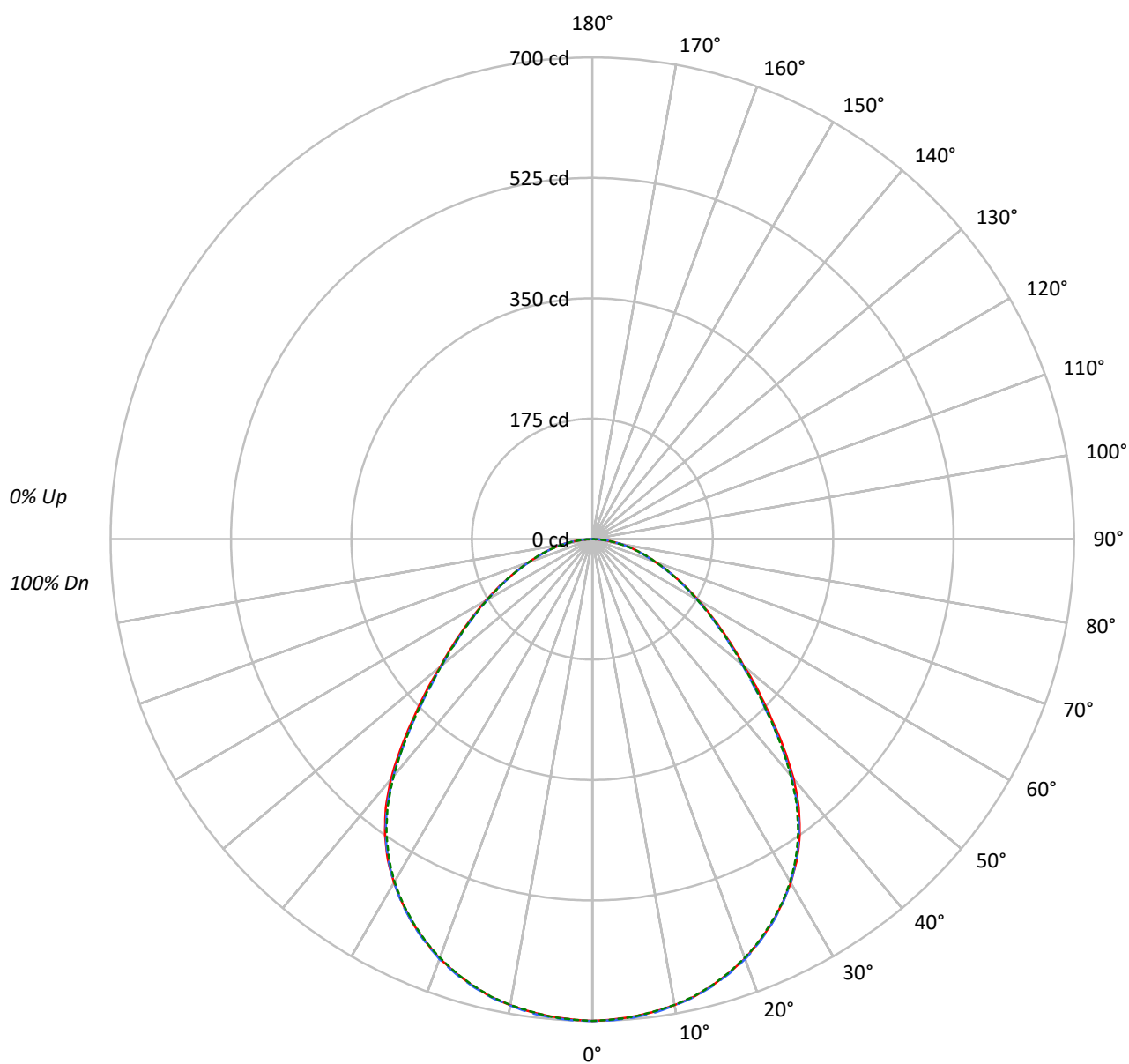
Lumens per Lamp: N/A
Luminaire Lumens: 1577.7 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	1884	1884	1884
5°	1881	1885	1882
10°	1879	1881	1878
15°	1872	1874	1870
20°	1857	1860	1854
25°	1831	1833	1827
30°	1791	1791	1786
35°	1726	1721	1713
40°	1599	1581	1576
45°	1397	1375	1381
50°	1207	1192	1198
55°	1072	1056	1058
60°	960	947	947
65°	861	855	858
70°	774	766	774
75°	718	708	718
80°	669	662	638
85°	568	568	506

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1397 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.3	4.2
10°-20°	189.7	12.0
20°-30°	283.8	18.0
30°-40°	325.2	20.6
40°-50°	281.2	17.8
50°-60°	203.5	12.9
60°-70°	134.1	8.5
70°-80°	73.0	4.6
80°-90°	20.9	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°	539.8	34.2
0°-40°	865.0	54.8
0°-60°	1349.7	85.5
0°-90°	1577.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1577.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	700	700	700	700	700	
5°	696	698	698	698	697	66
15°	672	672	673	674	671	189
25°	617	617	617	618	615	284
35°	525	525	524	523	521	326
45°	367	366	361	361	363	284
55°	229	228	225	224	226	206
65°	135	136	134	133	135	135
75°	69	69	68	68	69	74
85°	18	18	18	19	16	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	700.2	700.2	700.2	700.2	700.2
2.5°	698.7	700.2	699.7	700.2	698.7
5°	696.2	697.7	697.7	697.7	696.7
7.5°	692.7	693.7	694.2	694.7	692.2
10°	687.7	688.7	688.2	689.2	687.2
12.5°	681.3	681.3	681.8	682.8	680.8
15°	671.8	672.3	672.8	673.8	671.3
17.5°	660.9	661.4	661.9	662.4	660.4
20°	648.5	648.5	649.5	650.0	647.5
22.5°	633.1	633.1	634.1	635.6	632.6
25°	616.7	616.7	617.2	617.7	615.2
27.5°	597.3	597.3	597.8	599.3	596.3
30°	576.4	575.9	576.4	576.9	574.9
32.5°	553.1	552.6	552.1	552.6	550.1
35°	525.3	524.8	523.8	523.3	521.3
37.5°	493.0	492.0	490.0	490.0	488.0
40°	455.2	452.7	450.2	449.2	448.7
42.5°	411.5	409.5	406.0	405.5	405.5
45°	367.2	366.2	361.3	360.8	362.8
47.5°	327.5	325.0	320.5	319.5	322.5
50°	288.2	288.7	284.7	283.2	286.2
52.5°	257.4	256.4	252.9	251.9	254.4
55°	228.6	227.6	225.1	223.6	225.6
57.5°	202.2	201.8	199.3	198.8	199.8
60°	178.4	177.9	175.9	175.4	175.9
62.5°	156.0	156.0	154.0	153.1	154.5
65°	135.2	136.2	134.2	133.2	134.7
67.5°	116.3	117.3	115.3	114.3	116.3
70°	98.4	99.4	97.4	96.4	98.4
72.5°	83.0	83.5	82.0	81.5	84.0
75°	69.1	69.1	68.1	68.1	69.1
77.5°	56.2	55.7	55.2	55.2	54.2
80°	43.2	42.7	42.7	42.7	41.2
82.5°	30.8	29.8	30.3	30.8	28.3
85°	18.4	18.4	18.4	18.9	16.4
87.5°	7.5	7.5	7.0	7.5	6.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)