

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: P1050275

Luminaire Tested: PTR-14-20-PLG-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050275
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-L840-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

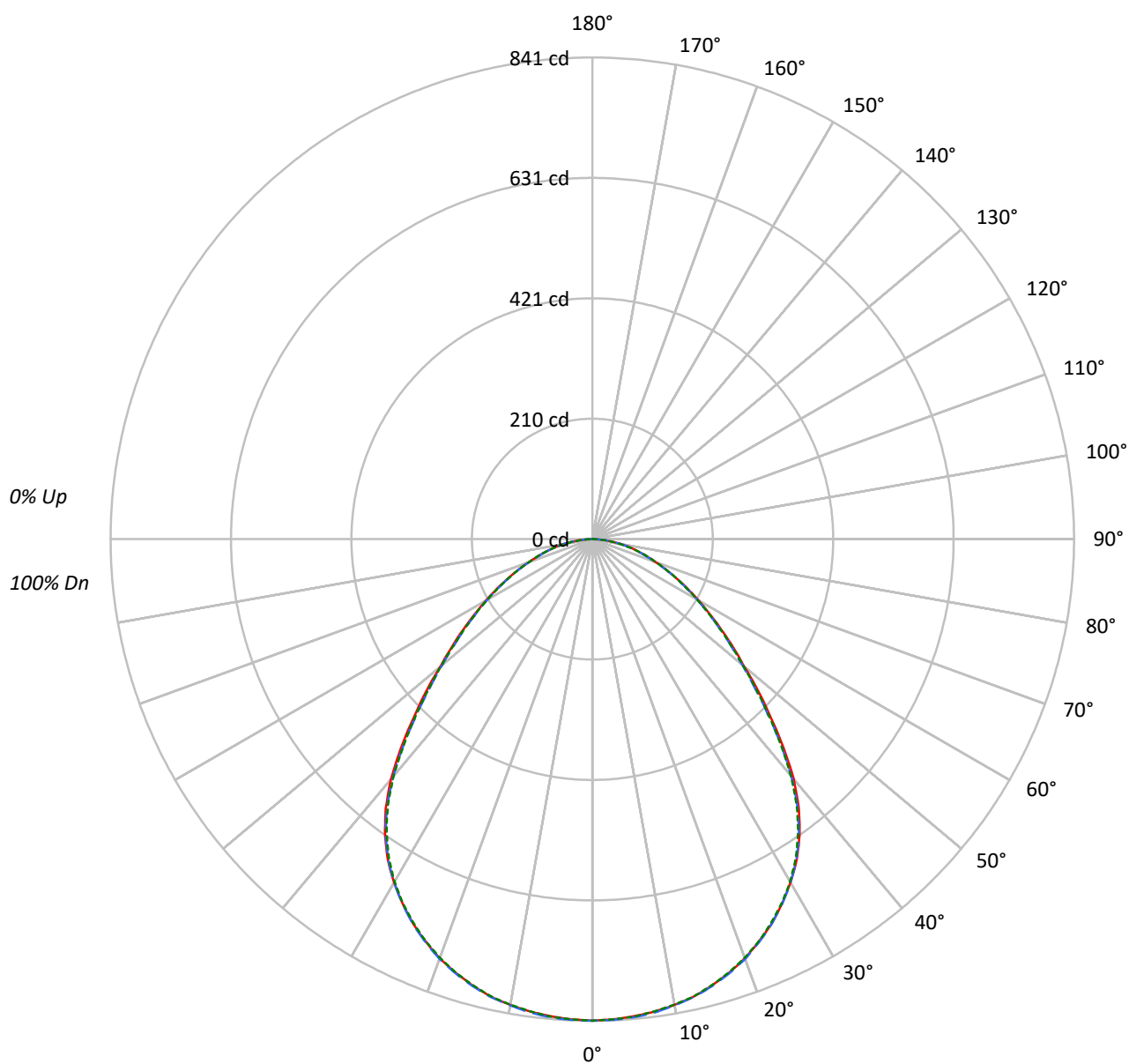
Lumens per Lamp: N/A
Luminaire Lumens: 1894.9 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	100		
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2263	2263	2263
5°	2259	2264	2260
10°	2257	2259	2255
15°	2248	2251	2246
20°	2231	2234	2227
25°	2199	2201	2194
30°	2151	2151	2146
35°	2073	2067	2057
40°	1920	1899	1893
45°	1679	1651	1658
50°	1449	1432	1439
55°	1288	1269	1271
60°	1153	1137	1137
65°	1033	1026	1030
70°	930	921	930
75°	863	850	863
80°	804	795	767
85°	682	682	608

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1679 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.6	4.2
10°-20°	227.8	12.0
20°-30°	340.9	18.0
30°-40°	390.6	20.6
40°-50°	337.8	17.8
50°-60°	244.5	12.9
60°-70°	161.0	8.5
70°-80°	87.7	4.6
80°-90°	25.1	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°	648.3	34.2
0°-40°	1038.9	54.8
0°-60°	1621.1	85.6
0°-90°	1894.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1894.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	841	841	841	841	841	
5°	836	838	838	838	837	80
15°	807	808	808	809	806	228
25°	741	741	741	742	739	341
35°	631	630	629	628	626	392
45°	441	440	434	433	436	342
55°	274	273	270	269	271	247
65°	162	164	161	160	162	162
75°	83	83	82	82	83	88
85°	22	22	22	23	20	26
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	840.9	840.9	840.9	840.9	840.9
2.5°	839.2	840.9	840.3	840.9	839.2
5°	836.2	838.0	838.0	838.0	836.8
7.5°	832.0	833.2	833.8	834.4	831.4
10°	826.0	827.2	826.6	827.8	825.4
12.5°	818.3	818.3	818.9	820.1	817.7
15°	806.9	807.5	808.1	809.3	806.3
17.5°	793.8	794.4	795.0	795.6	793.2
20°	778.9	778.9	780.1	780.7	777.7
22.5°	760.4	760.4	761.6	763.4	759.8
25°	740.7	740.7	741.3	741.9	738.9
27.5°	717.4	717.4	718.0	719.8	716.2
30°	692.3	691.7	692.3	692.9	690.5
32.5°	664.3	663.7	663.1	663.7	660.7
35°	630.9	630.3	629.1	628.5	626.1
37.5°	592.1	590.9	588.5	588.5	586.1
40°	546.7	543.7	540.7	539.5	538.9
42.5°	494.2	491.8	487.6	487.0	487.0
45°	441.1	439.9	433.9	433.3	435.7
47.5°	393.3	390.3	385.0	383.8	387.3
50°	346.2	346.8	342.0	340.2	343.8
52.5°	309.2	308.0	303.8	302.6	305.6
55°	274.5	273.4	270.4	268.6	271.0
57.5°	242.9	242.3	239.3	238.7	239.9
60°	214.3	213.7	211.3	210.7	211.3
62.5°	187.4	187.4	185.0	183.8	185.6
65°	162.3	163.5	161.1	160.0	161.7
67.5°	139.7	140.9	138.5	137.3	139.7
70°	118.2	119.4	117.0	115.8	118.2
72.5°	99.7	100.3	98.5	97.9	100.9
75°	83.0	83.0	81.8	81.8	83.0
77.5°	67.4	66.8	66.2	66.2	65.1
80°	51.9	51.3	51.3	51.3	49.5
82.5°	37.0	35.8	36.4	37.0	34.0
85°	22.1	22.1	22.1	22.7	19.7
87.5°	9.0	9.0	8.4	9.0	7.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)