

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: P1050324

Luminaire Tested: PTR-14-20-PP3-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-20-PP3-L840-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

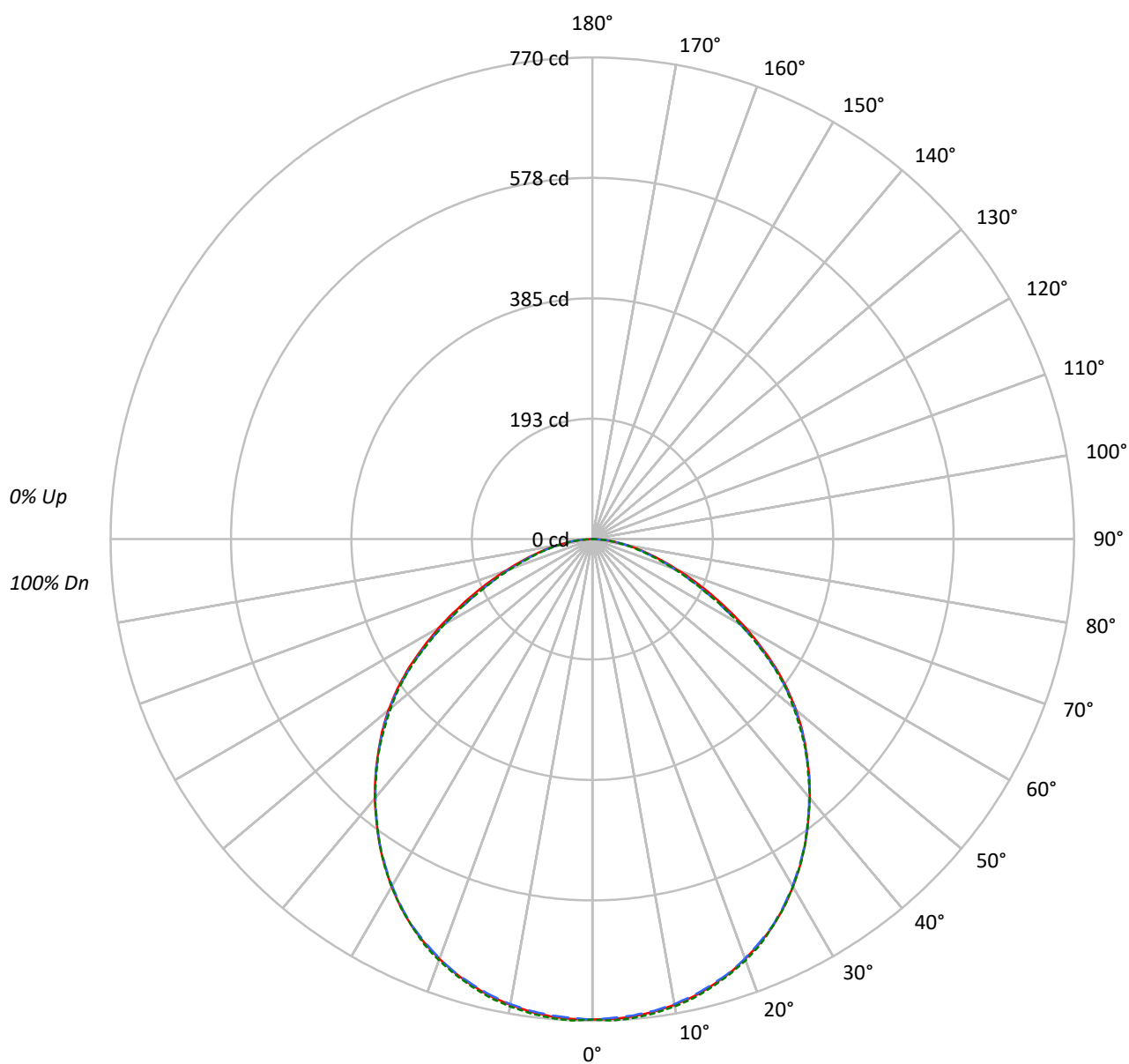
Lumens per Lamp: N/A
Luminaire Lumens: 1984.3 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050324

CATALOG NUMBER: PTR-14-20-PP3-L840-UNV-STD-W

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	99	96	93	95	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	74	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	63	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	55	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	48	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	42	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	38	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	34	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	31	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2067	2067	2067
5°	2069	2064	2075
10°	2065	2062	2073
15°	2059	2055	2064
20°	2045	2044	2052
25°	2027	2024	2026
30°	1993	1989	1993
35°	1950	1947	1949
40°	1900	1894	1899
45°	1843	1837	1840
50°	1781	1773	1760
55°	1677	1657	1652
60°	1521	1470	1473
65°	1337	1269	1267
70°	1156	1103	1090
75°	999	963	942
80°	885	872	834
85°	732	756	713

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1849 cd/sqm

TEST NUMBER: P1050324

CATALOG NUMBER: PTR-14-20-PP3-L840-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.8	3.7
10°-20°	208.7	10.5
20°-30°	314.1	15.8
30°-40°	370.8	18.7
40°-50°	372.9	18.8
50°-60°	314.8	15.9
60°-70°	202.2	10.2
70°-80°	100.5	5.1
80°-90°	27.5	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°	595.6	30.0
0°-40°	966.4	48.7
0°-60°	1654.1	83.4
0°-90°	1984.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1984.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	768	768	768	768	768	
5°	766	766	764	768	768	73
15°	739	739	738	741	741	208
25°	683	683	682	683	682	314
35°	594	594	593	593	593	371
45°	484	486	483	483	483	374
55°	357	357	353	352	352	318
65°	210	207	199	197	199	209
75°	96	96	93	92	91	104
85°	24	24	24	23	23	28
90°	0	0	0	0	0	

TEST NUMBER: P1050324

CATALOG NUMBER: PTR-14-20-PP3-L840-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	768.0	768.0	768.0	768.0	768.0
2.5°	767.7	768.0	766.0	769.6	770.2
5°	765.8	766.0	764.0	767.7	768.2
7.5°	761.8	762.1	760.4	763.7	764.4
10°	755.9	756.9	754.8	758.0	758.5
12.5°	748.8	749.1	747.0	750.7	751.3
15°	739.0	739.2	737.6	741.0	741.0
17.5°	727.8	728.1	727.0	729.8	729.5
20°	714.2	715.0	713.6	715.5	716.6
22.5°	699.4	699.7	698.0	700.5	701.7
25°	682.7	682.9	681.6	682.9	682.4
27.5°	663.2	663.7	661.7	663.2	663.5
30°	641.4	642.8	640.1	641.2	641.4
32.5°	618.0	618.8	616.9	617.2	618.6
35°	593.5	593.8	592.7	593.2	593.2
37.5°	567.0	568.1	566.4	567.2	566.1
40°	540.8	539.7	539.1	539.7	540.5
42.5°	513.1	513.5	512.6	512.0	510.7
45°	484.2	485.9	482.8	483.4	483.4
47.5°	455.8	456.0	454.4	452.7	451.6
50°	425.4	425.4	423.4	422.1	420.4
52.5°	392.2	391.7	389.5	388.1	388.9
55°	357.4	357.1	353.2	351.8	352.1
57.5°	319.2	319.8	313.9	312.5	312.5
60°	282.7	279.9	273.2	271.3	273.7
62.5°	244.4	241.1	233.9	233.9	235.8
65°	209.9	206.8	199.3	197.3	199.0
67.5°	177.6	174.7	167.8	166.7	167.2
70°	146.9	144.4	140.2	137.7	138.6
72.5°	120.4	118.2	115.4	113.4	112.3
75°	96.1	95.6	92.6	91.7	90.6
77.5°	76.1	75.9	73.3	72.2	71.1
80°	57.1	56.8	56.3	54.6	53.8
82.5°	40.7	40.7	40.4	39.0	38.2
85°	23.7	24.5	24.5	23.1	23.1
87.5°	9.5	10.0	9.5	9.5	9.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)