

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: P1050227

Luminaire Tested: PTR-14-30-PL1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-30-PL1-L840-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

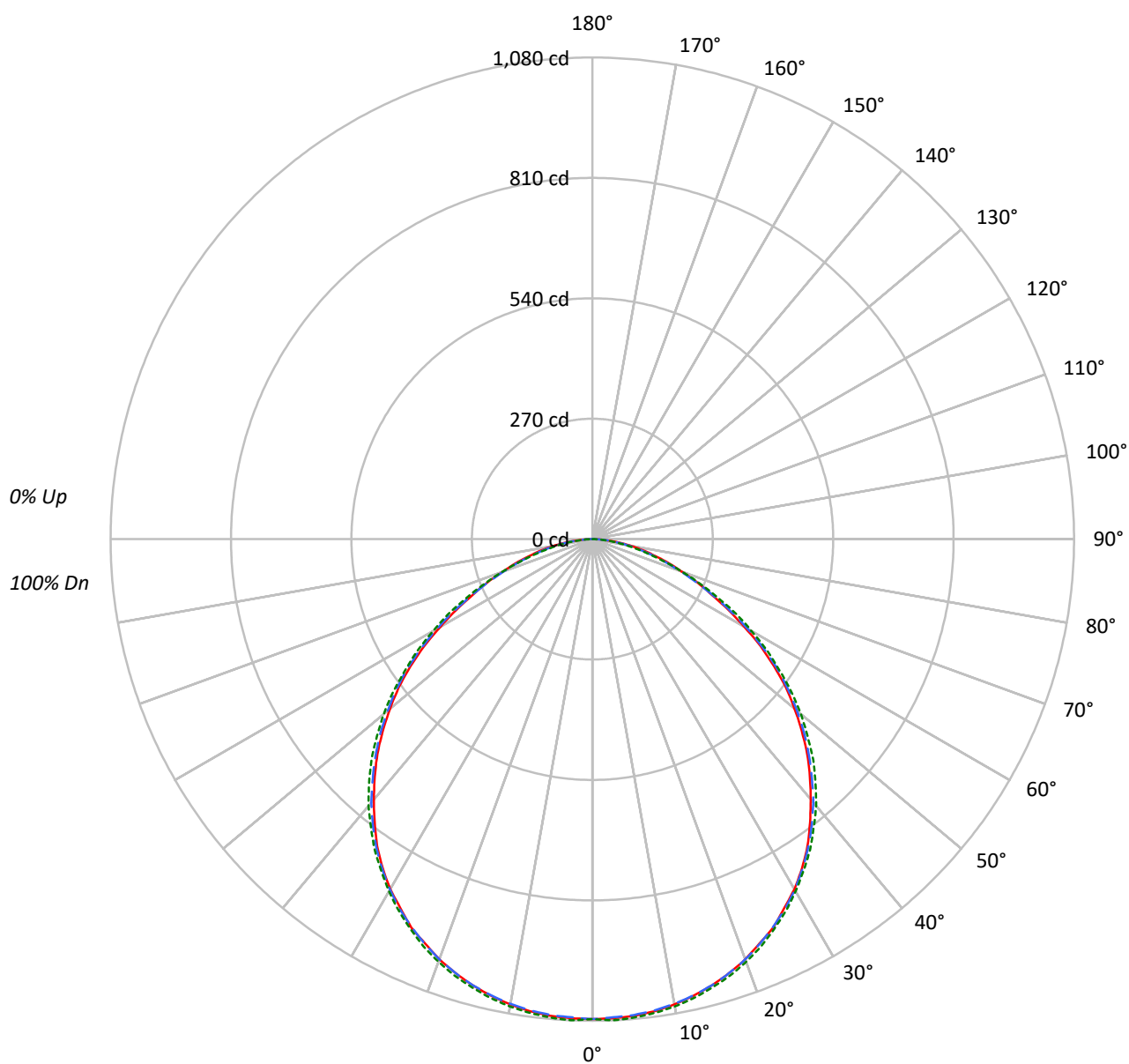
Lumens per Lamp: N/A
Luminaire Lumens: 2836.8 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23
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: P1050227

CATALOG NUMBER: PTR-14-30-PL1-L840-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050227

CATALOG NUMBER: PTR-14-30-PL1-L840-UNV-STD-W

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	98	95	93	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2896	2896	2896
5°	2898	2893	2909
10°	2895	2892	2908
15°	2886	2885	2899
20°	2871	2871	2888
25°	2852	2848	2864
30°	2816	2820	2834
35°	2762	2773	2795
40°	2676	2708	2742
45°	2593	2614	2665
50°	2479	2506	2555
55°	2335	2372	2400
60°	2118	2163	2217
65°	1881	1901	1978
70°	1681	1648	1688
75°	1517	1430	1400
80°	1379	1280	1136
85°	1167	1059	914

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2665 cd/sqm

TEST NUMBER: P1050227

CATALOG NUMBER: PTR-14-30-PL1-L840-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.1	3.6
10°-20°	292.8	10.3
20°-30°	442.9	15.6
30°-40°	527.9	18.6
40°-50°	530.8	18.7
50°-60°	450.5	15.9
60°-70°	300.0	10.6
70°-80°	149.8	5.3
80°-90°	40.1	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°	837.8	29.5
0°-40°	1365.6	48.1
0°-60°	2347.0	82.7
0°-90°	2836.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2836.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1076	1076	1076	1076	1076	
5°	1073	1073	1071	1076	1077	102
15°	1036	1037	1036	1040	1041	292
25°	961	961	959	964	964	442
35°	841	842	844	850	851	525
45°	681	682	687	696	700	524
55°	498	501	506	510	512	444
65°	295	298	299	303	311	296
75°	146	144	138	134	135	157
85°	38	37	34	32	30	44
90°	0	0	0	0	0	

TEST NUMBER: P1050227

CATALOG NUMBER: PTR-14-30-PL1-L840-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1075.3	1076.2	1073.3	1078.5	1079.8
5°	1073.0	1073.3	1071.0	1075.8	1076.9
7.5°	1067.8	1068.2	1065.8	1071.0	1071.7
10°	1059.4	1060.3	1058.2	1063.0	1064.2
12.5°	1048.7	1049.8	1047.8	1053.0	1053.9
15°	1035.9	1037.1	1035.5	1039.8	1040.7
17.5°	1020.3	1021.1	1020.3	1024.3	1026.6
20°	1002.7	1002.7	1002.7	1006.4	1008.4
22.5°	980.9	982.9	982.0	986.8	988.8
25°	960.6	960.6	959.3	963.8	964.5
27.5°	932.2	935.4	935.1	939.0	939.9
30°	906.2	907.1	907.6	910.3	911.9
32.5°	874.8	875.5	876.8	880.7	881.2
35°	840.9	841.8	844.1	850.0	850.9
37.5°	801.5	805.8	807.9	814.2	815.0
40°	761.9	764.7	770.8	777.4	780.6
42.5°	721.7	724.9	728.5	737.6	740.5
45°	681.4	682.5	687.0	696.2	700.2
47.5°	636.8	640.4	644.3	652.3	654.7
50°	592.1	596.1	598.5	605.6	610.4
52.5°	547.1	550.7	553.5	557.8	562.6
55°	497.7	501.2	505.6	510.4	511.6
57.5°	447.4	451.3	454.2	459.3	464.5
60°	393.5	398.0	401.9	406.7	411.9
62.5°	343.4	345.3	349.3	357.3	364.8
65°	295.4	297.9	298.6	303.1	310.6
67.5°	255.6	255.6	252.0	253.5	261.9
70°	213.7	212.1	209.4	207.8	214.6
72.5°	179.8	177.8	171.8	169.1	172.7
75°	145.9	143.9	137.5	134.3	134.7
77.5°	117.2	114.0	108.8	103.3	102.1
80°	89.0	87.7	82.6	77.4	73.3
82.5°	63.0	60.3	57.4	54.2	51.0
85°	37.8	37.1	34.3	32.3	29.6
87.5°	15.5	15.5	14.8	13.9	13.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)