

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: P1050374

Luminaire Tested: PTR-14-30-PR1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050374
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-30-PR1-L840-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

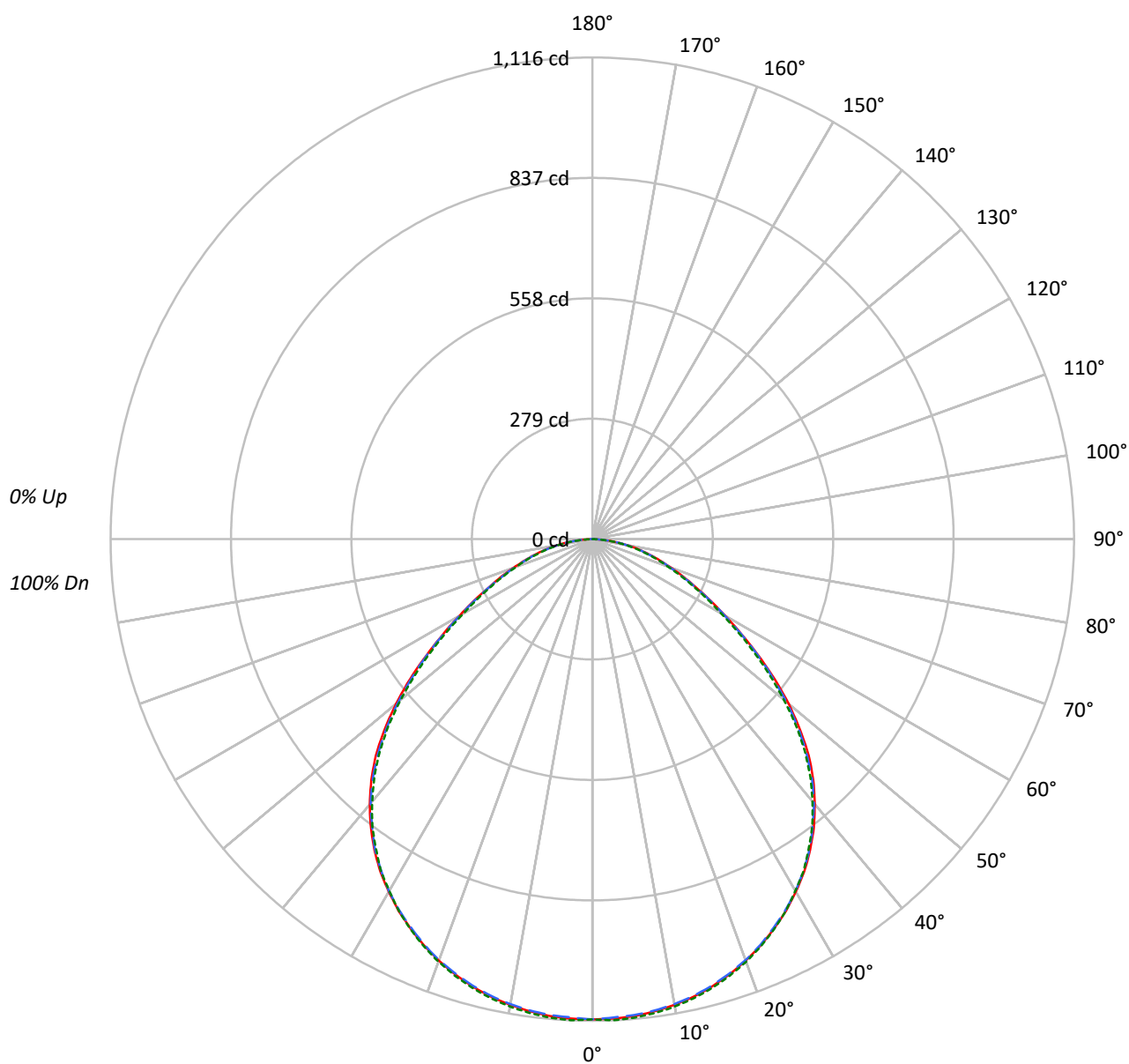
Lumens per Lamp: N/A
Luminaire Lumens: 2813.8 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1050374

CATALOG NUMBER: PTR-14-30-PR1-L840-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050374

CATALOG NUMBER: PTR-14-30-PR1-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	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2994	2994	2994
5°	2997	2990	3007
10°	2994	2989	3005
15°	2989	2984	2998
20°	2976	2972	2984
25°	2957	2950	2960
30°	2930	2927	2923
35°	2890	2883	2871
40°	2817	2806	2786
45°	2700	2669	2650
50°	2484	2456	2426
55°	2198	2189	2146
60°	1911	1904	1852
65°	1684	1673	1640
70°	1528	1506	1475
75°	1415	1382	1356
80°	1291	1274	1230
85°	1019	1010	969

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2700 cd/sqm

TEST NUMBER: P1050374

CATALOG NUMBER: PTR-14-30-PR1-L840-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.5	3.8
10°-20°	302.9	10.8
20°-30°	458.9	16.3
30°-40°	547.8	19.5
40°-50°	538.8	19.1
50°-60°	416.4	14.8
60°-70°	262.6	9.3
70°-80°	142.0	5.0
80°-90°	38.8	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°	867.4	30.8
0°-40°	1415.2	50.3
0°-60°	2370.4	84.2
0°-90°	2813.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2813.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1113	1113	1113	1113	1113	
5°	1109	1110	1107	1112	1113	105
15°	1073	1073	1071	1075	1076	303
25°	996	996	993	996	997	459
35°	880	880	878	877	874	549
45°	709	707	701	696	696	543
55°	469	472	466	459	457	420
65°	264	265	263	258	258	266
75°	136	134	133	134	130	145
85°	33	34	33	33	31	39
90°	0	0	0	0	0	

TEST NUMBER: P1050374

CATALOG NUMBER: PTR-14-30-PR1-L840-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1112.6	1112.6	1112.6	1112.6	1112.6
2.5°	1112.2	1112.6	1109.4	1114.6	1115.8
5°	1109.4	1109.9	1107.0	1111.7	1113.0
7.5°	1103.8	1104.6	1101.9	1106.7	1107.8
10°	1095.8	1096.7	1093.9	1098.7	1099.9
12.5°	1085.9	1086.2	1083.9	1088.3	1089.4
15°	1072.8	1073.0	1071.2	1074.6	1076.2
17.5°	1057.5	1058.0	1055.2	1059.6	1060.3
20°	1039.3	1039.6	1038.0	1041.6	1042.0
22.5°	1018.9	1019.7	1017.3	1020.5	1020.9
25°	995.8	996.5	993.4	996.5	997.0
27.5°	971.5	971.8	969.0	971.5	971.0
30°	943.1	945.5	941.9	941.1	940.8
32.5°	913.7	914.0	910.5	909.6	911.2
35°	879.8	880.1	877.7	876.6	874.1
37.5°	842.7	842.7	838.2	837.5	837.0
40°	802.0	801.5	798.8	796.0	793.1
42.5°	757.6	758.5	752.8	748.1	747.3
45°	709.4	706.6	701.4	695.9	696.3
47.5°	652.4	653.2	646.1	641.6	640.4
50°	593.3	593.3	586.7	581.9	579.4
52.5°	531.6	532.0	525.7	519.3	518.0
55°	468.6	472.5	466.5	459.0	457.4
57.5°	409.6	412.8	407.1	399.2	398.7
60°	355.0	355.3	353.7	346.1	344.1
62.5°	308.3	306.3	305.4	301.5	299.1
65°	264.4	264.9	262.8	258.3	257.6
67.5°	228.9	228.5	224.9	222.1	220.5
70°	194.2	193.0	191.4	189.1	187.5
72.5°	163.1	163.1	161.8	161.1	158.4
75°	136.1	134.5	132.9	133.6	130.4
77.5°	110.1	108.5	107.2	105.6	104.9
80°	83.3	81.7	82.2	79.7	79.4
82.5°	57.8	57.8	57.1	55.1	55.5
85°	33.0	33.5	32.7	33.0	31.4
87.5°	12.0	12.3	13.2	12.3	12.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)