

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: P1050178

Luminaire Tested: PTR-14-30-PC3-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050178
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-30-PC3-L840-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

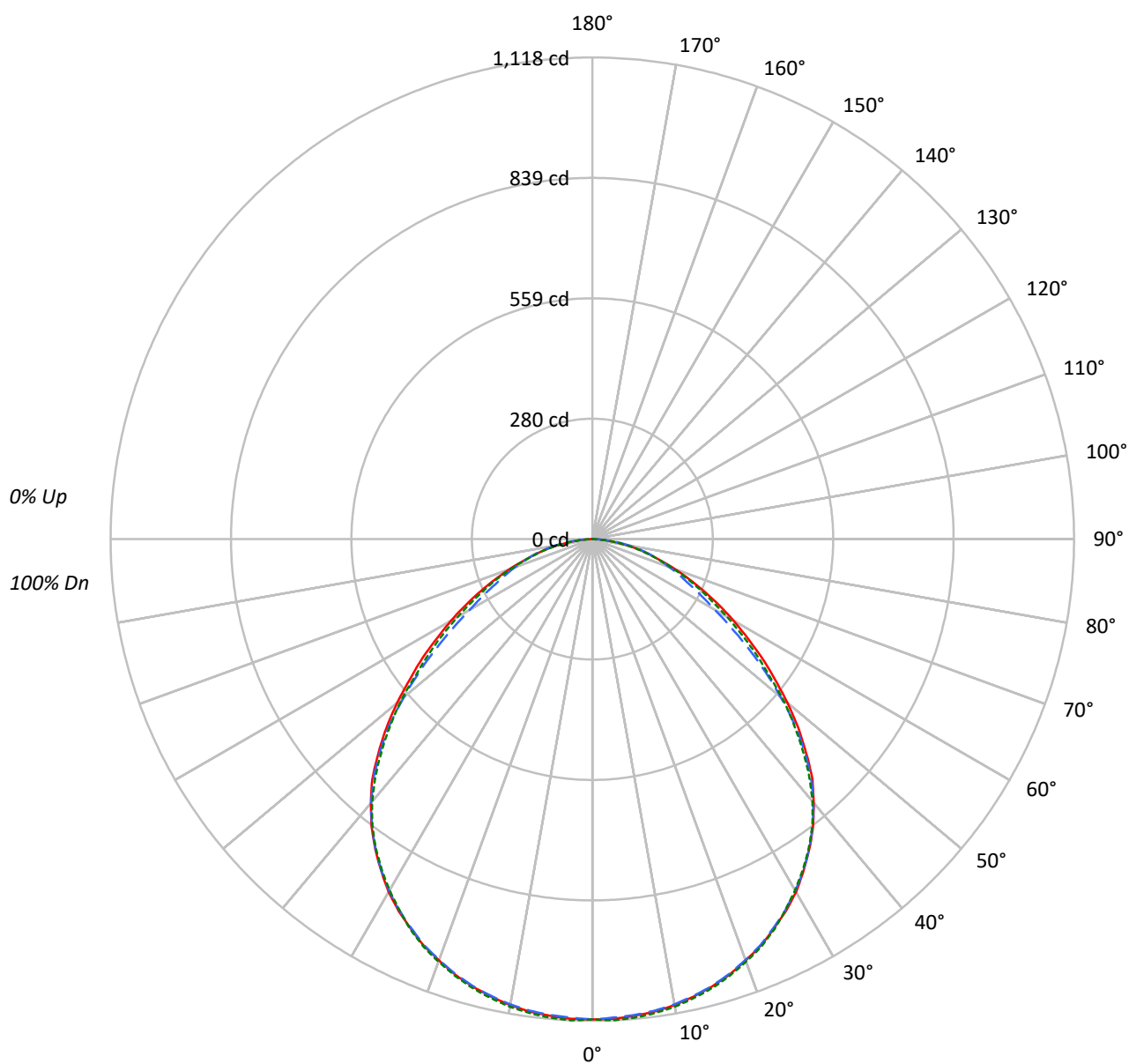
Lumens per Lamp: N/A
Luminaire Lumens: 2810.9 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1050178

CATALOG NUMBER: PTR-14-30-PC3-L840-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050178

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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	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	87	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	72
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3000	3000	3000
5°	3001	2996	3013
10°	3001	2995	3012
15°	2994	2991	3004
20°	2980	2976	2989
25°	2960	2956	2967
30°	2938	2928	2923
35°	2885	2882	2877
40°	2809	2804	2792
45°	2671	2651	2624
50°	2472	2389	2416
55°	2256	2073	2167
60°	2034	1769	1940
65°	1819	1582	1745
70°	1613	1496	1569
75°	1426	1450	1398
80°	1230	1385	1224
85°	920	1096	920

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2677 cd/sqm

TEST NUMBER: P1050178

CATALOG NUMBER: PTR-14-30-PC3-L840-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.7	3.8
10°-20°	303.5	10.8
20°-30°	459.6	16.3
30°-40°	547.9	19.5
40°-50°	535.4	19.0
50°-60°	409.4	14.6
60°-70°	262.8	9.4
70°-80°	146.2	5.2
80°-90°	40.4	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°	868.8	30.9
0°-40°	1416.7	50.4
0°-60°	2361.5	84.0
0°-90°	2810.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2810.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1115	1115	1115	1115	1115	
5°	1111	1112	1109	1114	1115	106
15°	1075	1076	1074	1077	1078	303
25°	997	998	995	999	999	460
35°	878	879	877	877	876	549
45°	702	703	697	695	690	540
55°	481	464	442	447	462	430
65°	286	264	248	257	274	285
75°	137	138	140	138	134	147
85°	30	35	36	34	30	37
90°	0	0	0	0	0	

TEST NUMBER: P1050178

CATALOG NUMBER: PTR-14-30-PC3-L840-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1114.9	1114.9	1114.9	1114.9	1114.9
2.5°	1114.2	1114.6	1111.7	1116.5	1118.1
5°	1111.0	1111.7	1109.0	1114.2	1115.4
7.5°	1106.2	1107.0	1104.2	1109.4	1109.9
10°	1098.3	1098.7	1096.2	1101.5	1102.2
12.5°	1087.5	1088.7	1086.0	1090.7	1091.0
15°	1074.7	1075.5	1073.5	1077.1	1078.3
17.5°	1059.6	1060.0	1058.0	1061.9	1062.3
20°	1040.7	1040.7	1039.2	1043.6	1043.6
22.5°	1021.6	1020.5	1020.0	1021.6	1024.1
25°	997.0	998.1	995.4	998.6	999.3
27.5°	973.1	973.1	970.6	972.2	970.2
30°	945.6	944.0	942.4	942.7	940.8
32.5°	912.4	912.4	911.6	911.6	909.2
35°	878.2	878.9	877.3	876.9	875.7
37.5°	841.4	842.7	839.8	839.1	838.2
40°	799.5	799.5	798.3	796.8	794.7
42.5°	756.0	756.0	751.0	746.9	744.2
45°	701.8	703.4	696.6	695.0	689.5
47.5°	647.9	646.8	637.7	636.5	633.3
50°	590.6	583.8	570.7	574.2	577.1
52.5°	533.2	524.8	505.7	509.6	514.4
55°	480.9	464.2	441.9	447.4	461.8
57.5°	426.3	404.0	381.6	392.1	409.9
60°	378.0	353.0	328.6	339.8	360.5
62.5°	331.8	305.1	285.6	296.3	313.8
65°	285.6	263.6	248.5	256.7	274.0
67.5°	243.3	228.5	218.2	222.1	236.0
70°	205.0	195.7	190.2	191.4	199.4
72.5°	168.7	166.3	164.3	164.3	165.0
75°	137.2	138.4	139.5	137.6	134.5
77.5°	108.1	112.0	114.9	110.8	106.9
80°	79.4	85.8	89.4	84.9	79.0
82.5°	54.2	61.4	62.6	59.8	53.0
85°	29.8	35.1	35.5	34.3	29.8
87.5°	11.2	13.2	14.3	13.2	11.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)