

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: P1050181

Luminaire Tested: PTR-14-30-PC3-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050181
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-L850-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

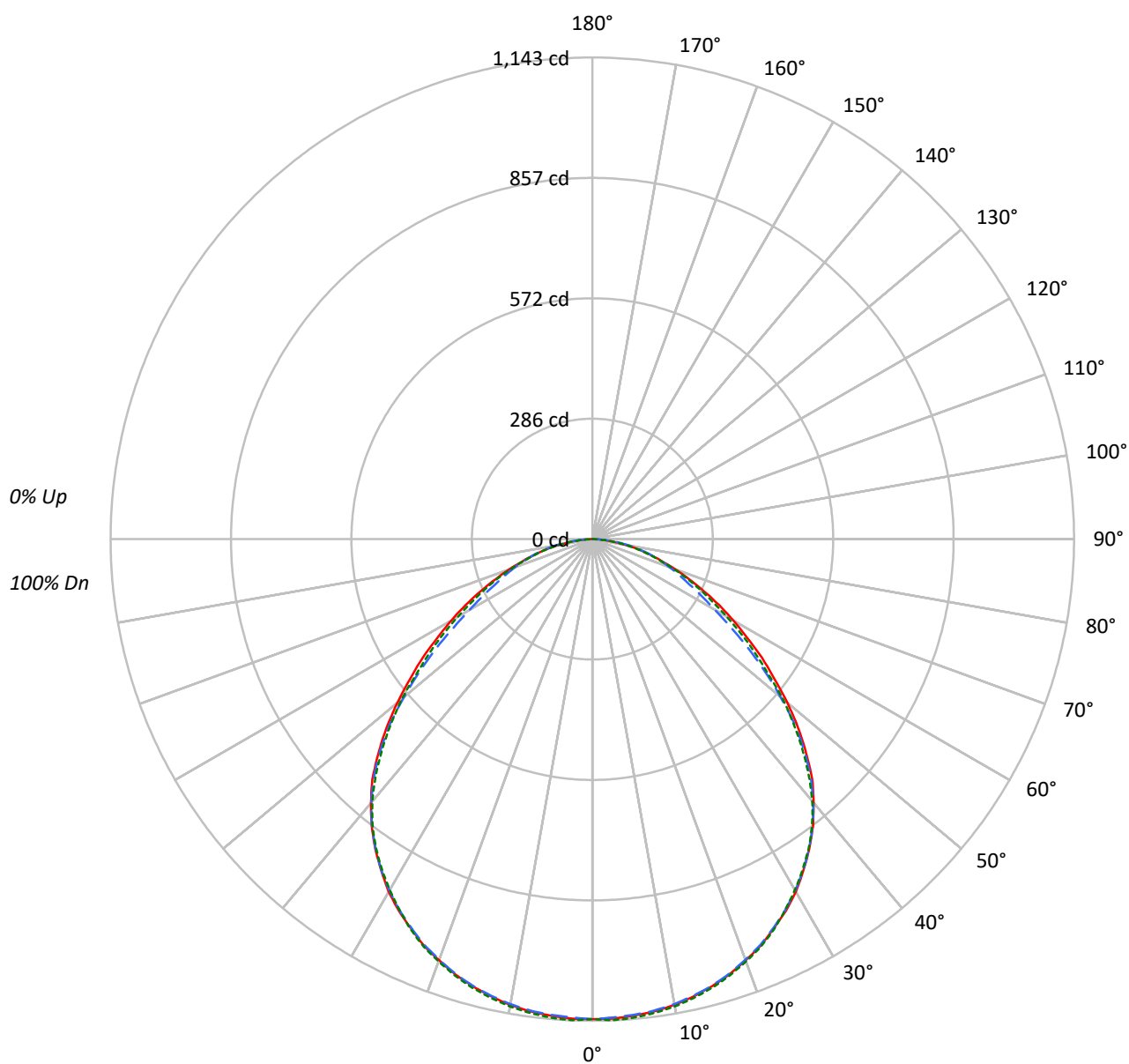
Lumens per Lamp: N/A
Luminaire Lumens: 2872.4 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1050181

CATALOG NUMBER: PTR-14-30-PC3-L850-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050181

CATALOG NUMBER: PTR-14-30-PC3-L850-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	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3066	3066	3066
5°	3067	3061	3079
10°	3067	3061	3078
15°	3059	3056	3070
20°	3046	3041	3054
25°	3025	3020	3032
30°	3002	2992	2987
35°	2948	2945	2940
40°	2870	2866	2853
45°	2729	2709	2681
50°	2527	2442	2469
55°	2305	2119	2214
60°	2079	1807	1983
65°	1858	1617	1783
70°	1648	1530	1603
75°	1458	1483	1429
80°	1257	1416	1251
85°	942	1121	942

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2735 cd/sqm

TEST NUMBER: P1050181

CATALOG NUMBER: PTR-14-30-PC3-L850-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.1	3.8
10°-20°	310.2	10.8
20°-30°	469.6	16.3
30°-40°	559.9	19.5
40°-50°	547.1	19.0
50°-60°	418.3	14.6
60°-70°	268.6	9.4
70°-80°	149.4	5.2
80°-90°	41.3	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°	887.8	30.9
0°-40°	1447.7	50.4
0°-60°	2413.1	84.0
0°-90°	2872.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2872.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1139	1139	1139	1139	1139	
5°	1135	1136	1133	1139	1140	108
15°	1098	1099	1097	1101	1102	310
25°	1019	1020	1017	1020	1021	470
35°	897	898	896	896	895	561
45°	717	719	712	710	705	552
55°	491	474	452	457	472	439
65°	292	269	254	262	280	291
75°	140	141	143	141	137	150
85°	30	36	36	35	30	37
90°	0	0	0	0	0	

TEST NUMBER: P1050181

CATALOG NUMBER: PTR-14-30-PC3-L850-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1139.3	1139.3	1139.3	1139.3	1139.3
2.5°	1138.6	1139.0	1136.0	1140.9	1142.6
5°	1135.3	1136.0	1133.2	1138.6	1139.7
7.5°	1130.4	1131.2	1128.3	1133.7	1134.1
10°	1122.3	1122.7	1120.2	1125.5	1126.3
12.5°	1111.3	1112.5	1109.7	1114.6	1114.9
15°	1098.1	1099.0	1097.0	1100.7	1101.8
17.5°	1082.7	1083.2	1081.1	1085.1	1085.6
20°	1063.5	1063.5	1061.9	1066.5	1066.5
22.5°	1044.0	1042.8	1042.3	1044.0	1046.5
25°	1018.8	1020.0	1017.2	1020.4	1021.2
27.5°	994.4	994.4	991.8	993.5	991.4
30°	966.2	964.6	963.0	963.3	961.3
32.5°	932.3	932.3	931.6	931.6	929.1
35°	897.4	898.1	896.5	896.0	894.9
37.5°	859.8	861.1	858.1	857.4	856.5
40°	817.0	817.0	815.8	814.2	812.1
42.5°	772.6	772.6	767.4	763.2	760.4
45°	717.2	718.8	711.9	710.2	704.6
47.5°	662.1	660.9	651.6	650.4	647.2
50°	603.5	596.5	583.2	586.8	589.7
52.5°	544.9	536.3	516.7	520.7	525.6
55°	491.4	474.4	451.6	457.2	471.9
57.5°	435.6	412.8	390.0	400.6	418.9
60°	386.3	360.7	335.8	347.2	368.4
62.5°	339.1	311.8	291.8	302.8	320.7
65°	291.8	269.3	253.9	262.4	280.0
67.5°	248.6	233.5	223.0	227.0	241.2
70°	209.5	200.0	194.4	195.6	203.7
72.5°	172.3	170.0	167.9	167.9	168.6
75°	140.2	141.4	142.6	140.7	137.4
77.5°	110.5	114.4	117.4	113.3	109.3
80°	81.1	87.6	91.4	86.8	80.7
82.5°	55.4	62.8	64.0	61.1	54.2
85°	30.5	35.8	36.3	35.1	30.5
87.5°	11.4	13.5	14.7	13.5	11.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)