

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: P1050175

Luminaire Tested: PTR-14-30-PC3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050175
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-L835-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

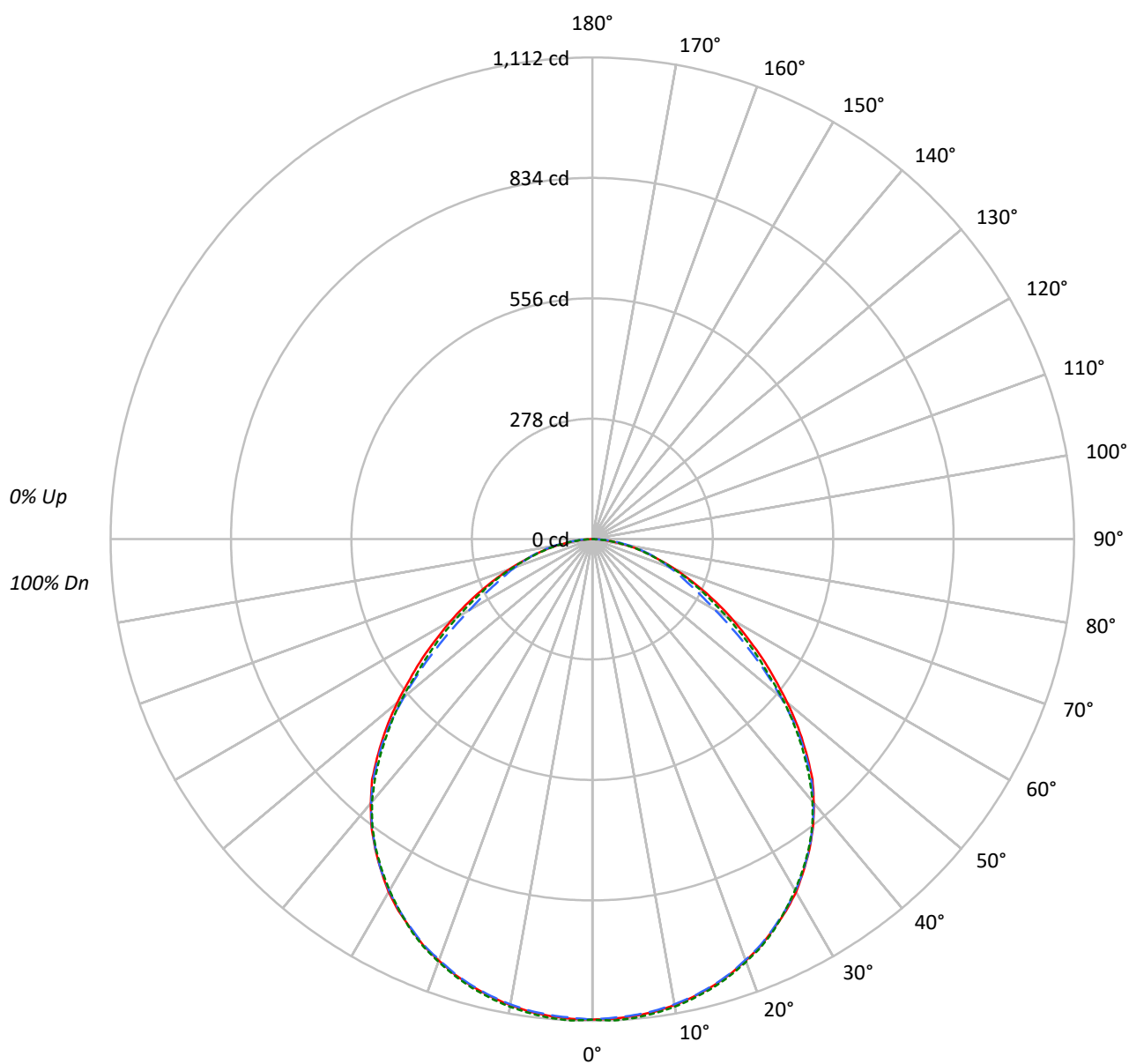
Lumens per Lamp: N/A
Luminaire Lumens: 2796.5 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1050175

CATALOG NUMBER: PTR-14-30-PC3-L835-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050175

CATALOG NUMBER: PTR-14-30-PC3-L835-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°	2985	2985	2985
5°	2986	2980	2998
10°	2986	2980	2996
15°	2978	2975	2988
20°	2965	2960	2973
25°	2945	2940	2952
30°	2923	2913	2908
35°	2870	2867	2862
40°	2794	2790	2778
45°	2657	2638	2611
50°	2460	2377	2403
55°	2244	2063	2155
60°	2024	1759	1930
65°	1809	1574	1736
70°	1605	1489	1560
75°	1419	1443	1391
80°	1224	1378	1218
85°	917	1090	917

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2663 cd/sqm

TEST NUMBER: P1050175

CATALOG NUMBER: PTR-14-30-PC3-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.2	3.8
10°-20°	302.0	10.8
20°-30°	457.2	16.3
30°-40°	545.1	19.5
40°-50°	532.6	19.0
50°-60°	407.3	14.6
60°-70°	261.5	9.3
70°-80°	145.5	5.2
80°-90°	40.2	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°	864.4	30.9
0°-40°	1409.5	50.4
0°-60°	2349.4	84.0
0°-90°	2796.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2796.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1109	1109	1109	1109	1109	
5°	1105	1106	1103	1108	1110	105
15°	1069	1070	1068	1072	1073	302
25°	992	993	990	994	994	457
35°	874	874	873	872	871	546
45°	698	700	693	692	686	537
55°	478	462	440	445	459	428
65°	284	262	247	255	273	283
75°	136	138	139	137	134	146
85°	30	35	35	34	30	36
90°	0	0	0	0	0	

TEST NUMBER: P1050175

CATALOG NUMBER: PTR-14-30-PC3-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1109.2	1109.2	1109.2	1109.2	1109.2
2.5°	1108.5	1108.9	1106.0	1110.8	1112.4
5°	1105.3	1106.0	1103.3	1108.5	1109.7
7.5°	1100.6	1101.3	1098.6	1103.7	1104.2
10°	1092.6	1093.1	1090.6	1095.8	1096.5
12.5°	1082.0	1083.1	1080.4	1085.1	1085.4
15°	1069.1	1070.0	1068.0	1071.6	1072.7
17.5°	1054.2	1054.6	1052.6	1056.5	1056.9
20°	1035.4	1035.4	1033.8	1038.3	1038.3
22.5°	1016.4	1015.2	1014.8	1016.4	1018.8
25°	991.9	993.0	990.3	993.5	994.2
27.5°	968.1	968.1	965.6	967.2	965.2
30°	940.7	939.1	937.5	937.8	936.0
32.5°	907.7	907.7	907.0	907.0	904.5
35°	873.7	874.4	872.8	872.4	871.2
37.5°	837.1	838.4	835.5	834.8	833.9
40°	795.4	795.4	794.3	792.7	790.7
42.5°	752.2	752.2	747.1	743.1	740.3
45°	698.3	699.8	693.1	691.5	686.0
47.5°	644.6	643.5	634.4	633.2	630.1
50°	587.5	580.8	567.8	571.3	574.1
52.5°	530.5	522.1	503.1	507.0	511.7
55°	478.4	461.8	439.7	445.1	459.4
57.5°	424.1	401.9	379.7	390.1	407.8
60°	376.1	351.1	326.9	338.0	358.6
62.5°	330.1	303.6	284.1	294.8	312.2
65°	284.1	262.2	247.2	255.4	272.6
67.5°	242.0	227.3	217.1	221.0	234.8
70°	204.0	194.7	189.3	190.4	198.3
72.5°	167.8	165.5	163.5	163.5	164.2
75°	136.5	137.7	138.8	136.9	133.8
77.5°	107.5	111.4	114.3	110.3	106.4
80°	79.0	85.3	88.9	84.5	78.6
82.5°	53.9	61.1	62.3	59.5	52.8
85°	29.7	34.9	35.3	34.2	29.7
87.5°	11.1	13.1	14.3	13.1	11.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)