

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: P1050318

Luminaire Tested: PTR-14-20-PP3-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-20-PP3-L830-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

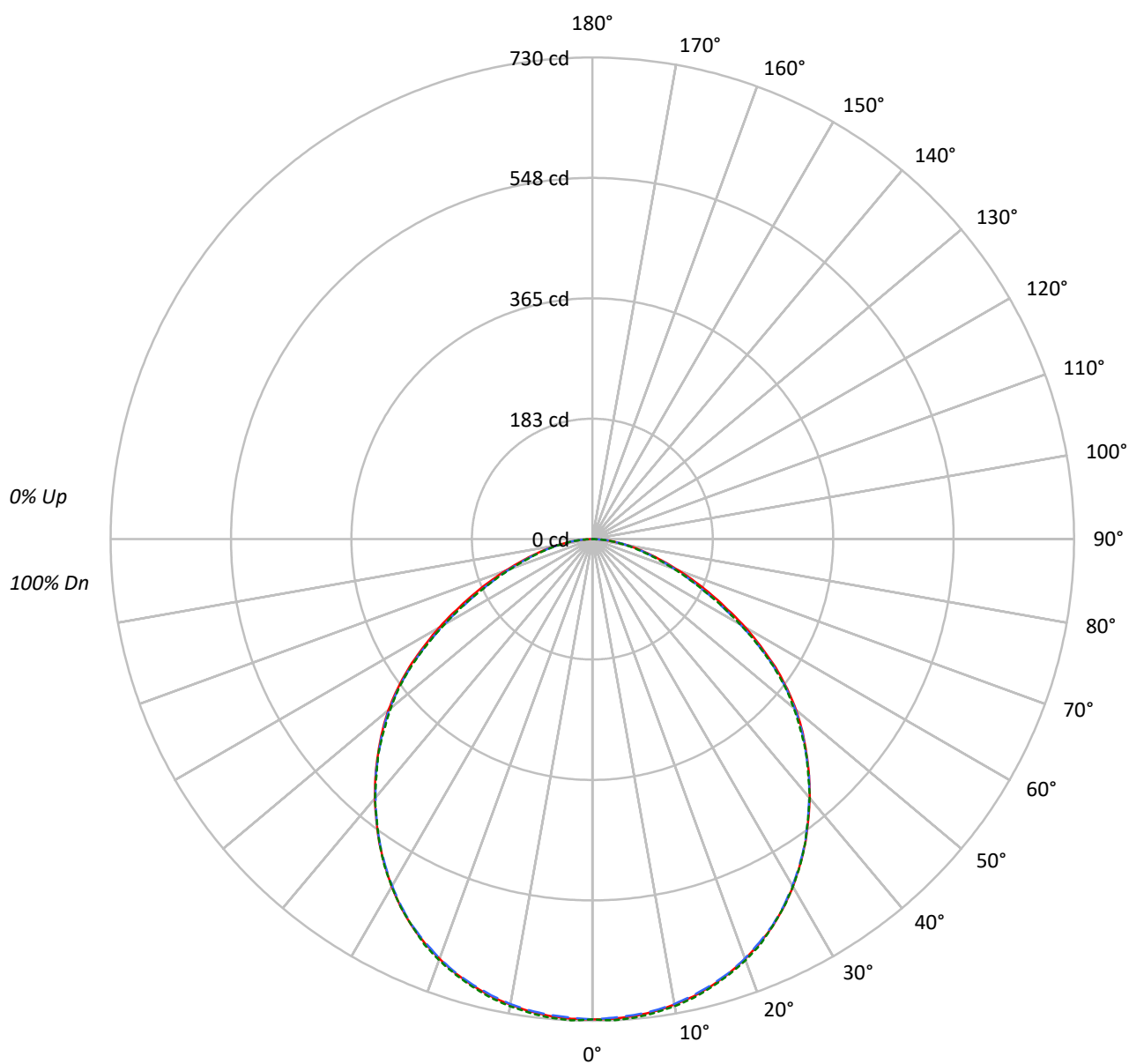
Lumens per Lamp: N/A
Luminaire Lumens: 1880.6 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16
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: P1050318

CATALOG NUMBER: PTR-14-20-PP3-L830-UNV-STD-W

Luminous Intensity Polar Plot



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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	100		
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1959	1959	1959
5°	1961	1956	1967
10°	1958	1955	1964
15°	1951	1948	1956
20°	1938	1937	1945
25°	1921	1918	1920
30°	1889	1885	1889
35°	1848	1845	1847
40°	1800	1795	1800
45°	1746	1741	1743
50°	1688	1680	1668
55°	1589	1571	1566
60°	1442	1393	1396
65°	1266	1203	1201
70°	1095	1046	1033
75°	947	912	892
80°	838	828	790
85°	695	716	676

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1752 cd/sqm

TEST NUMBER: P1050318

CATALOG NUMBER: PTR-14-20-PP3-L830-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	3.7
10°-20°	197.8	10.5
20°-30°	297.7	15.8
30°-40°	351.4	18.7
40°-50°	353.4	18.8
50°-60°	298.3	15.9
60°-70°	191.6	10.2
70°-80°	95.3	5.1
80°-90°	26.1	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°	564.5	30.0
0°-40°	915.9	48.7
0°-60°	1567.6	83.4
0°-90°	1880.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1880.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	728	728	728	728	728	
5°	726	726	724	728	728	69
15°	700	701	699	702	702	198
25°	647	647	646	647	647	298
35°	562	563	562	562	562	352
45°	459	460	458	458	458	354
55°	339	338	335	333	334	301
65°	199	196	189	187	189	198
75°	91	91	88	87	86	99
85°	22	23	23	22	22	26
90°	0	0	0	0	0	

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CATALOG NUMBER: PTR-14-20-PP3-L830-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	727.9	727.9	727.9	727.9	727.9
2.5°	727.6	727.9	726.0	729.4	730.0
5°	725.8	726.0	724.1	727.6	728.1
7.5°	722.0	722.3	720.7	723.8	724.4
10°	716.4	717.3	715.4	718.4	718.8
12.5°	709.6	709.9	708.0	711.5	712.0
15°	700.4	700.6	699.1	702.2	702.2
17.5°	689.8	690.0	689.0	691.7	691.4
20°	676.9	677.7	676.3	678.1	679.2
22.5°	662.9	663.2	661.5	663.9	665.0
25°	647.0	647.2	646.0	647.2	646.8
27.5°	628.5	629.0	627.2	628.5	628.8
30°	607.9	609.2	606.6	607.7	607.9
32.5°	585.7	586.5	584.6	584.9	586.3
35°	562.5	562.8	561.7	562.2	562.2
37.5°	537.4	538.5	536.8	537.6	536.5
40°	512.5	511.5	510.9	511.5	512.3
42.5°	486.3	486.6	485.9	485.3	484.0
45°	458.9	460.5	457.5	458.1	458.1
47.5°	432.0	432.2	430.7	429.0	428.0
50°	403.2	403.2	401.3	400.0	398.4
52.5°	371.7	371.2	369.1	367.8	368.5
55°	338.7	338.4	334.8	333.4	333.7
57.5°	302.5	303.1	297.5	296.2	296.2
60°	267.9	265.2	258.9	257.1	259.4
62.5°	231.6	228.5	221.7	221.7	223.5
65°	198.9	196.0	188.9	187.0	188.6
67.5°	168.3	165.6	159.1	158.0	158.5
70°	139.2	136.9	132.9	130.5	131.3
72.5°	114.1	112.0	109.3	107.5	106.5
75°	91.1	90.6	87.7	86.9	85.8
77.5°	72.1	71.9	69.5	68.4	67.4
80°	54.1	53.9	53.4	51.7	51.0
82.5°	38.6	38.6	38.3	37.0	36.2
85°	22.5	23.2	23.2	21.9	21.9
87.5°	9.0	9.5	9.0	9.0	8.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)