

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: P1050367

Luminaire Tested: PTR-14-20-PR1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050367
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-14-20-PR1-L830-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

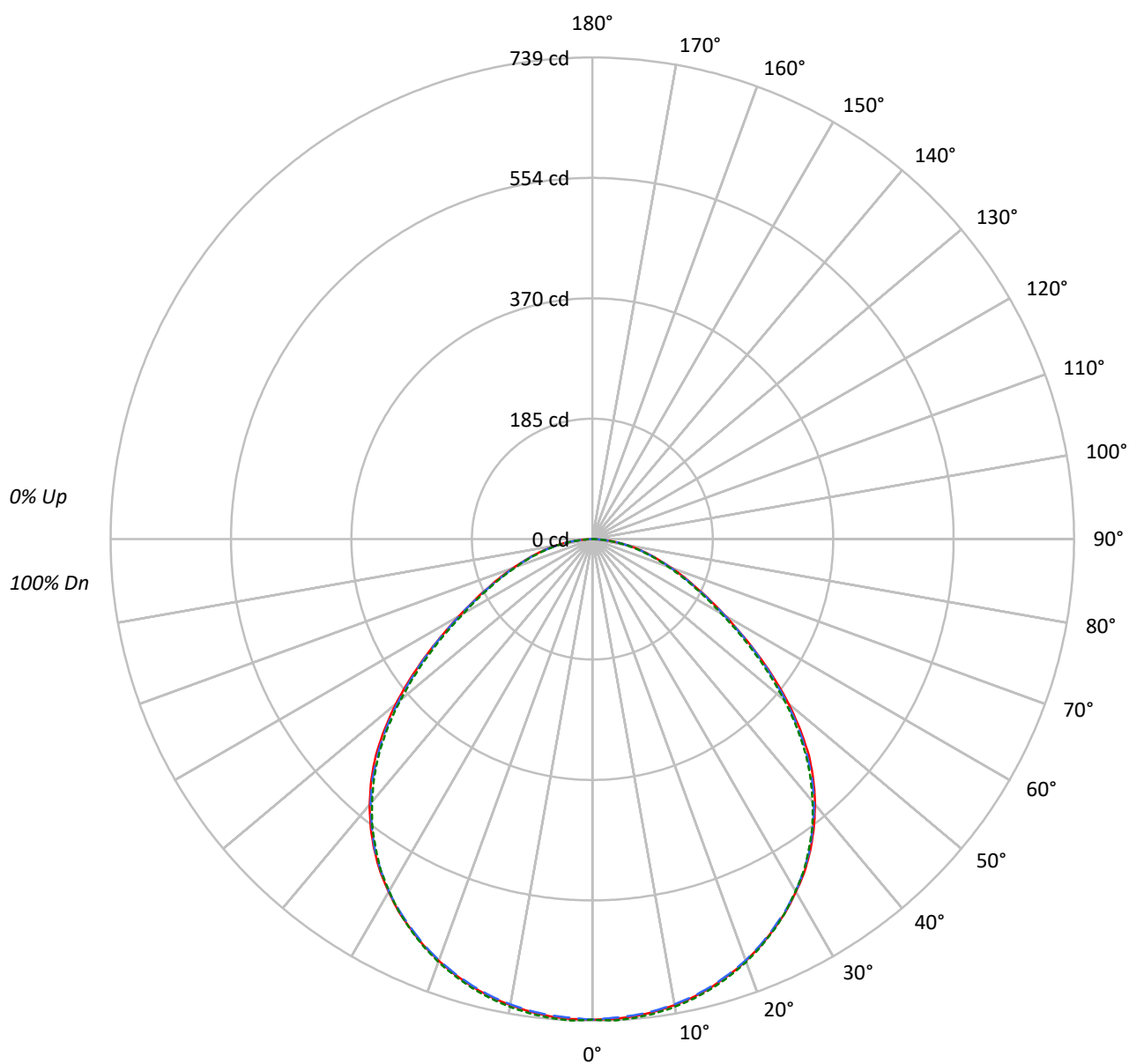
Lumens per Lamp: N/A
Luminaire Lumens: 1864.3 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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	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°	1984	1984	1984
5°	1986	1981	1992
10°	1984	1981	1991
15°	1980	1977	1987
20°	1972	1969	1977
25°	1959	1954	1961
30°	1942	1939	1937
35°	1915	1911	1903
40°	1867	1859	1846
45°	1789	1768	1756
50°	1646	1627	1607
55°	1457	1450	1422
60°	1266	1261	1227
65°	1116	1109	1087
70°	1012	998	977
75°	937	915	898
80°	855	843	815
85°	676	670	642

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1789 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.9	3.8
10°-20°	200.7	10.8
20°-30°	304.1	16.3
30°-40°	363.0	19.5
40°-50°	357.0	19.1
50°-60°	275.9	14.8
60°-70°	174.0	9.3
70°-80°	94.1	5.0
80°-90°	25.7	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°	574.7	30.8
0°-40°	937.7	50.3
0°-60°	1570.6	84.2
0°-90°	1864.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1864.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	737	737	737	737	737	
5°	735	735	733	737	738	70
15°	711	711	710	712	713	201
25°	660	660	658	660	661	304
35°	583	583	582	581	579	364
45°	470	468	465	461	461	360
55°	310	313	309	304	303	279
65°	175	176	174	171	171	176
75°	90	89	88	88	86	96
85°	22	22	22	22	21	26
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	737.2	737.2	737.2	737.2	737.2
2.5°	736.9	737.2	735.1	738.5	739.3
5°	735.1	735.4	733.4	736.6	737.5
7.5°	731.3	731.9	730.1	733.2	734.0
10°	726.0	726.6	724.8	728.0	728.7
12.5°	719.5	719.7	718.2	721.1	721.8
15°	710.8	711.0	709.7	712.0	713.1
17.5°	700.7	701.0	699.2	702.0	702.5
20°	688.6	688.8	687.7	690.1	690.4
22.5°	675.1	675.6	674.0	676.1	676.4
25°	659.8	660.3	658.2	660.3	660.6
27.5°	643.7	643.9	642.0	643.7	643.4
30°	624.9	626.5	624.1	623.5	623.3
32.5°	605.4	605.6	603.3	602.7	603.7
35°	582.9	583.1	581.6	580.8	579.2
37.5°	558.3	558.3	555.4	554.9	554.6
40°	531.4	531.1	529.2	527.4	525.5
42.5°	502.0	502.6	498.8	495.6	495.2
45°	470.0	468.2	464.7	461.1	461.4
47.5°	432.3	432.8	428.1	425.1	424.3
50°	393.1	393.1	388.7	385.5	383.9
52.5°	352.2	352.5	348.3	344.1	343.2
55°	310.5	313.1	309.1	304.1	303.1
57.5°	271.4	273.5	269.8	264.5	264.2
60°	235.2	235.4	234.3	229.3	228.0
62.5°	204.3	202.9	202.4	199.8	198.1
65°	175.2	175.5	174.1	171.2	170.7
67.5°	151.7	151.4	149.0	147.2	146.1
70°	128.6	127.9	126.8	125.3	124.2
72.5°	108.1	108.1	107.2	106.8	104.9
75°	90.1	89.1	88.0	88.5	86.4
77.5°	73.0	71.9	71.0	70.0	69.5
80°	55.2	54.1	54.4	52.8	52.6
82.5°	38.3	38.3	37.8	36.5	36.8
85°	21.9	22.2	21.7	21.9	20.8
87.5°	8.0	8.2	8.7	8.2	8.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)