

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: P1050269

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050269
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-20-PLG-L830-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

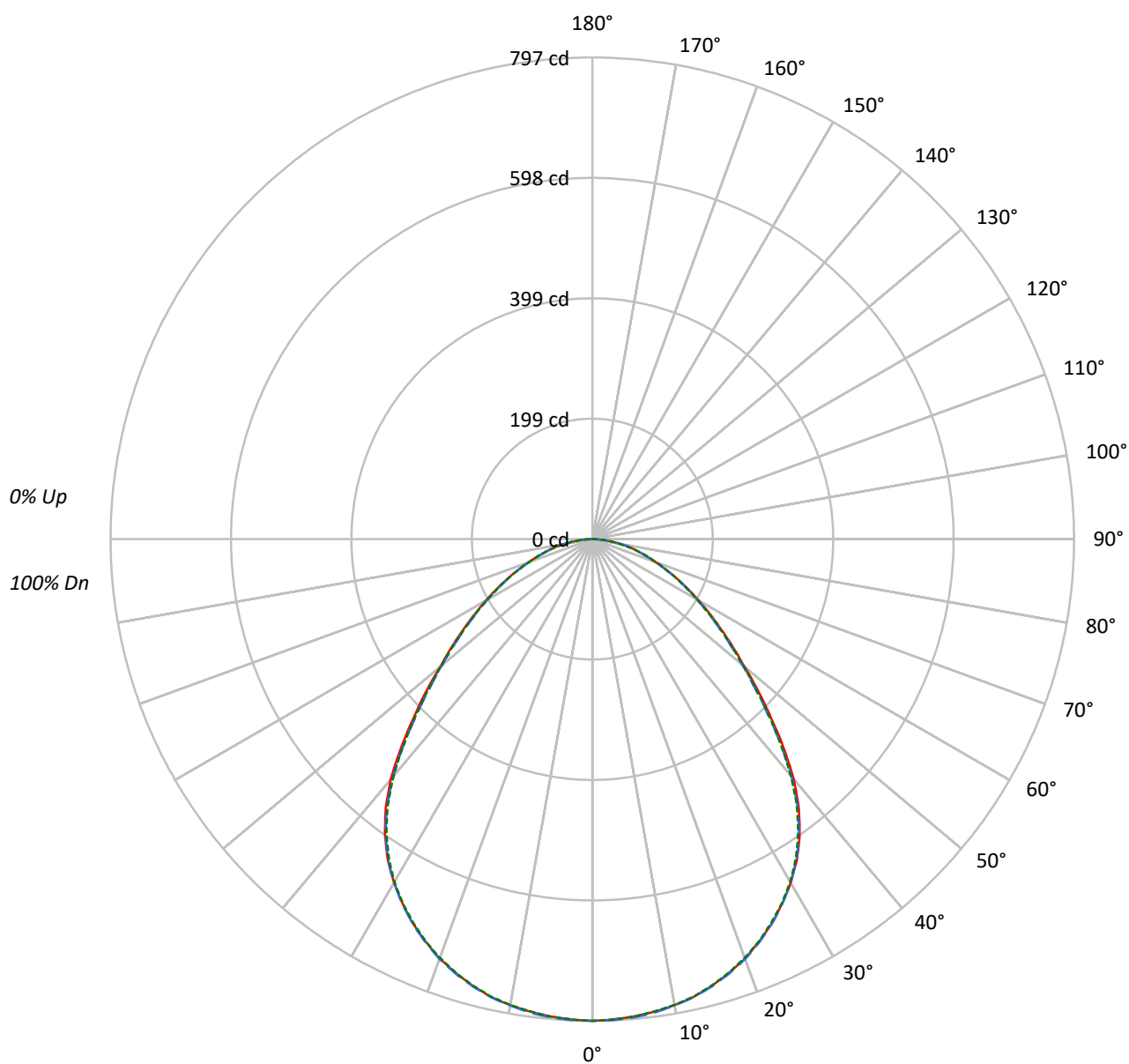
Lumens per Lamp: N/A
Luminaire Lumens: 1796.3 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2145	2145	2145
5°	2141	2146	2143
10°	2140	2141	2138
15°	2131	2134	2130
20°	2114	2118	2111
25°	2085	2086	2080
30°	2039	2039	2034
35°	1964	1959	1950
40°	1821	1801	1795
45°	1591	1565	1572
50°	1374	1357	1364
55°	1221	1202	1205
60°	1093	1078	1078
65°	980	973	976
70°	881	873	881
75°	817	806	817
80°	762	755	728
85°	645	645	577

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1591 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.5	4.2
10°-20°	216.0	12.0
20°-30°	323.1	18.0
30°-40°	370.2	20.6
40°-50°	320.2	17.8
50°-60°	231.7	12.9
60°-70°	152.6	8.5
70°-80°	83.1	4.6
80°-90°	23.8	1.3
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°	614.6	34.2
0°-40°	984.8	54.8
0°-60°	1536.7	85.6
0°-90°	1796.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1796.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	797	797	797	797	797	
5°	793	794	794	794	793	75
15°	765	766	766	767	764	216
25°	702	702	703	703	700	323
35°	598	598	596	596	594	372
45°	418	417	411	411	413	324
55°	260	259	256	255	257	234
65°	154	155	153	152	153	154
75°	79	79	78	78	79	84
85°	21	21	21	22	19	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	797.2	797.2	797.2	797.2	797.2
2.5°	795.5	797.2	796.6	797.2	795.5
5°	792.7	794.4	794.4	794.4	793.2
7.5°	788.7	789.8	790.4	791.0	788.1
10°	783.0	784.2	783.6	784.7	782.5
12.5°	775.7	775.7	776.3	777.4	775.1
15°	764.9	765.5	766.1	767.2	764.4
17.5°	752.5	753.1	753.6	754.2	751.9
20°	738.3	738.3	739.5	740.0	737.2
22.5°	720.8	720.8	721.9	723.6	720.2
25°	702.1	702.1	702.7	703.3	700.4
27.5°	680.1	680.1	680.6	682.3	678.9
30°	656.3	655.7	656.3	656.9	654.6
32.5°	629.7	629.1	628.6	629.1	626.3
35°	598.0	597.5	596.3	595.8	593.5
37.5°	561.3	560.1	557.9	557.9	555.6
40°	518.3	515.4	512.6	511.5	510.9
42.5°	468.5	466.2	462.2	461.7	461.7
45°	418.1	417.0	411.3	410.8	413.0
47.5°	372.8	370.0	364.9	363.8	367.2
50°	328.2	328.7	324.2	322.5	325.9
52.5°	293.1	291.9	288.0	286.9	289.7
55°	260.3	259.1	256.3	254.6	256.9
57.5°	230.3	229.7	226.9	226.3	227.4
60°	203.1	202.5	200.3	199.7	200.3
62.5°	177.7	177.7	175.4	174.3	176.0
65°	153.9	155.0	152.8	151.6	153.3
67.5°	132.4	133.5	131.3	130.1	132.4
70°	112.0	113.2	110.9	109.8	112.0
72.5°	94.5	95.1	93.4	92.8	95.6
75°	78.6	78.6	77.5	77.5	78.6
77.5°	63.9	63.4	62.8	62.8	61.7
80°	49.2	48.7	48.7	48.7	47.0
82.5°	35.1	33.9	34.5	35.1	32.2
85°	20.9	20.9	20.9	21.5	18.7
87.5°	8.5	8.5	7.9	8.5	7.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)