

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: P1050122

Luminaire Tested: PTR-14-20-PB1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050122
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-20-PB1-L830-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

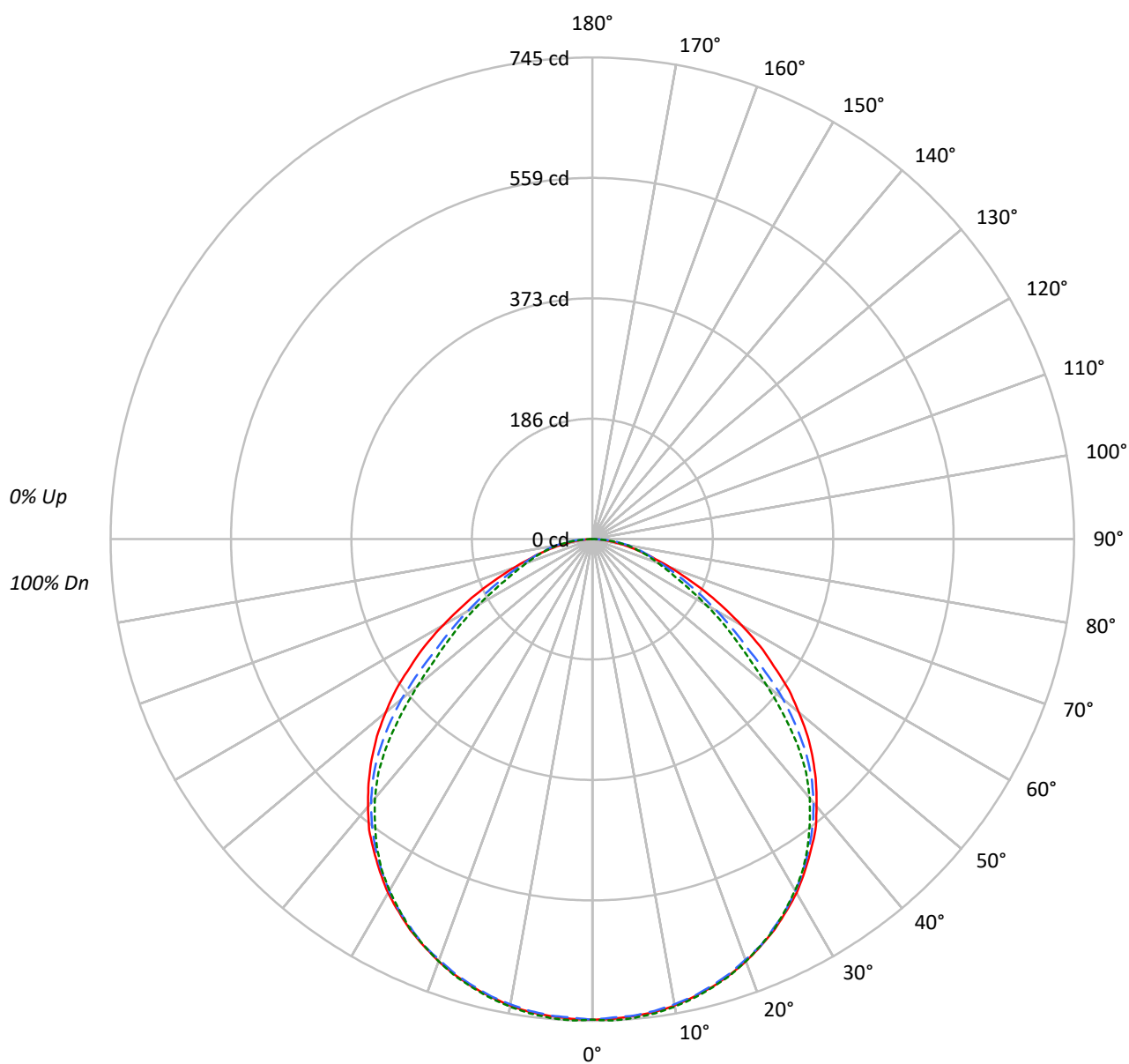
Lumens per Lamp: N/A
Luminaire Lumens: 1853.8 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2000	2000	2000
5°	2001	1998	2008
10°	2002	1997	2006
15°	1997	1992	2000
20°	1990	1983	1990
25°	1979	1971	1977
30°	1963	1952	1949
35°	1935	1920	1908
40°	1895	1870	1837
45°	1837	1778	1705
50°	1746	1612	1474
55°	1609	1369	1270
60°	1432	1196	1088
65°	1229	1037	926
70°	1014	914	849
75°	856	874	828
80°	724	893	851
85°	565	905	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1837 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.5	3.8
10°-20°	202.3	10.9
20°-30°	306.4	16.5
30°-40°	365.1	19.7
40°-50°	357.0	19.3
50°-60°	270.0	14.6
60°-70°	165.9	8.9
70°-80°	88.4	4.8
80°-90°	28.2	1.5
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°	579.1	31.2
0°-40°	944.2	50.9
0°-60°	1571.3	84.8
0°-90°	1853.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1853.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	743	743	743	743	743	
5°	741	742	740	743	743	70
15°	717	718	715	718	718	202
25°	667	666	664	665	666	307
35°	589	588	584	582	581	368
45°	483	480	467	452	448	371
55°	343	326	292	275	271	307
65°	193	177	163	150	145	192
75°	82	83	84	81	80	88
85°	18	24	29	28	26	22
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	743.4	743.4	743.4	743.4	743.4
2.5°	742.6	743.4	740.6	744.4	745.2
5°	740.6	741.6	739.8	742.6	743.4
7.5°	738.0	738.0	736.1	738.8	739.8
10°	732.5	732.5	730.7	733.3	734.3
12.5°	725.2	725.2	724.2	726.0	727.0
15°	716.9	717.8	715.1	717.8	717.8
17.5°	706.8	706.0	705.0	706.8	707.8
20°	694.9	694.9	692.3	694.1	694.9
22.5°	681.2	681.2	680.4	681.2	680.4
25°	666.6	665.7	663.8	664.8	665.7
27.5°	649.2	649.2	647.4	647.4	646.5
30°	631.9	630.9	628.2	626.4	627.3
32.5°	610.8	609.9	607.2	605.4	606.2
35°	588.9	588.0	584.4	581.6	580.7
37.5°	567.0	564.2	559.6	555.9	552.3
40°	539.5	536.7	532.2	524.0	523.0
42.5°	512.1	509.4	502.0	492.0	489.2
45°	482.8	480.1	467.2	451.7	448.0
47.5°	451.7	447.2	427.0	407.8	400.5
50°	417.0	408.8	385.0	360.3	352.0
52.5°	383.1	368.5	337.4	315.5	307.3
55°	342.9	325.5	291.7	275.2	270.6
57.5°	307.3	283.5	256.0	239.6	236.0
60°	266.1	244.1	222.2	207.6	202.1
62.5°	228.6	209.4	191.1	178.3	171.9
65°	193.0	177.4	162.8	150.0	145.4
67.5°	158.2	150.0	138.0	128.1	125.3
70°	128.9	124.3	116.2	111.6	107.9
72.5°	102.4	104.3	98.8	97.0	94.2
75°	82.3	83.2	84.1	81.4	79.6
77.5°	62.2	66.7	70.4	68.5	66.7
80°	46.7	51.2	57.6	54.9	54.9
82.5°	32.0	37.5	43.0	41.2	40.2
85°	18.3	23.8	29.3	27.5	25.6
87.5°	7.3	11.9	12.8	12.8	11.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)