

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: P1050229

Luminaire Tested: PTR-14-20-PL1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050229
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-20-PL1-L850-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

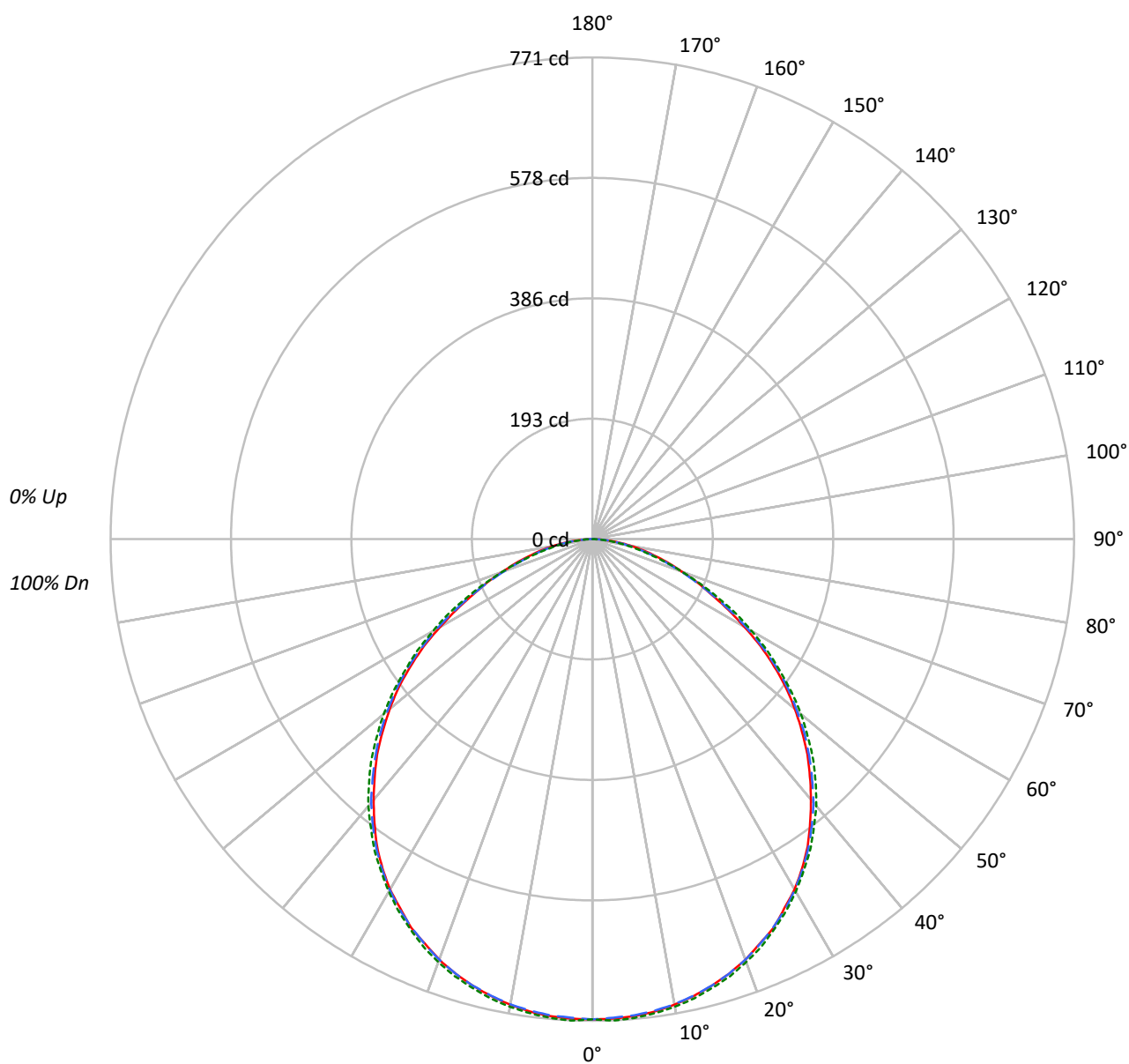
Lumens per Lamp: N/A
Luminaire Lumens: 2026.5 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2069	2069	2069
5°	2071	2067	2078
10°	2068	2066	2077
15°	2062	2061	2071
20°	2051	2051	2063
25°	2037	2035	2046
30°	2012	2014	2024
35°	1973	1981	1997
40°	1912	1934	1959
45°	1853	1868	1904
50°	1771	1790	1826
55°	1668	1695	1715
60°	1513	1545	1584
65°	1344	1358	1413
70°	1201	1177	1206
75°	1083	1021	1001
80°	986	914	812
85°	834	756	651

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1904 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.9	3.6
10°-20°	209.2	10.3
20°-30°	316.4	15.6
30°-40°	377.1	18.6
40°-50°	379.2	18.7
50°-60°	321.8	15.9
60°-70°	214.3	10.6
70°-80°	107.0	5.3
80°-90°	28.6	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°	598.5	29.5
0°-40°	975.6	48.1
0°-60°	1676.6	82.7
0°-90°	2026.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2026.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	769	769	769	769	769	
5°	766	767	765	768	769	73
15°	740	741	740	743	744	209
25°	686	686	685	688	689	316
35°	601	601	603	607	608	375
45°	487	488	491	497	500	374
55°	356	358	361	365	366	317
65°	211	213	213	216	222	212
75°	104	103	98	96	96	112
85°	27	26	24	23	21	31
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	768.8	768.8	768.8	768.8	768.8
2.5°	768.2	768.8	766.7	770.5	771.4
5°	766.5	766.7	765.1	768.5	769.3
7.5°	762.8	763.1	761.4	765.1	765.6
10°	756.8	757.4	756.0	759.4	760.2
12.5°	749.1	750.0	748.5	752.3	752.9
15°	740.0	740.9	739.7	742.8	743.5
17.5°	728.9	729.5	728.9	731.8	733.4
20°	716.3	716.3	716.3	718.9	720.4
22.5°	700.7	702.2	701.5	705.0	706.4
25°	686.2	686.2	685.3	688.5	689.0
27.5°	665.9	668.2	668.0	670.8	671.4
30°	647.4	648.0	648.3	650.3	651.4
32.5°	624.9	625.5	626.4	629.2	629.5
35°	600.7	601.3	603.0	607.2	607.9
37.5°	572.6	575.7	577.1	581.7	582.2
40°	544.3	546.3	550.6	555.4	557.7
42.5°	515.5	517.8	520.4	526.9	529.0
45°	486.8	487.6	490.8	497.3	500.2
47.5°	454.9	457.5	460.3	466.0	467.7
50°	423.0	425.8	427.6	432.6	436.1
52.5°	390.8	393.4	395.4	398.5	401.9
55°	355.5	358.0	361.2	364.6	365.5
57.5°	319.6	322.4	324.5	328.1	331.8
60°	281.1	284.3	287.1	290.5	294.3
62.5°	245.3	246.6	249.5	255.2	260.6
65°	211.0	212.8	213.3	216.5	221.9
67.5°	182.6	182.6	180.0	181.1	187.1
70°	152.7	151.5	149.6	148.4	153.3
72.5°	128.4	127.0	122.8	120.8	123.4
75°	104.2	102.8	98.2	95.9	96.3
77.5°	83.7	81.5	77.7	73.8	73.0
80°	63.6	62.6	59.0	55.3	52.4
82.5°	45.0	43.1	41.0	38.7	36.4
85°	27.0	26.5	24.5	23.1	21.1
87.5°	11.1	11.1	10.6	9.9	9.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)