

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: P1050425

Luminaire Tested: PTR-14-20-PW1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050425
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-20-PW1-L850-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

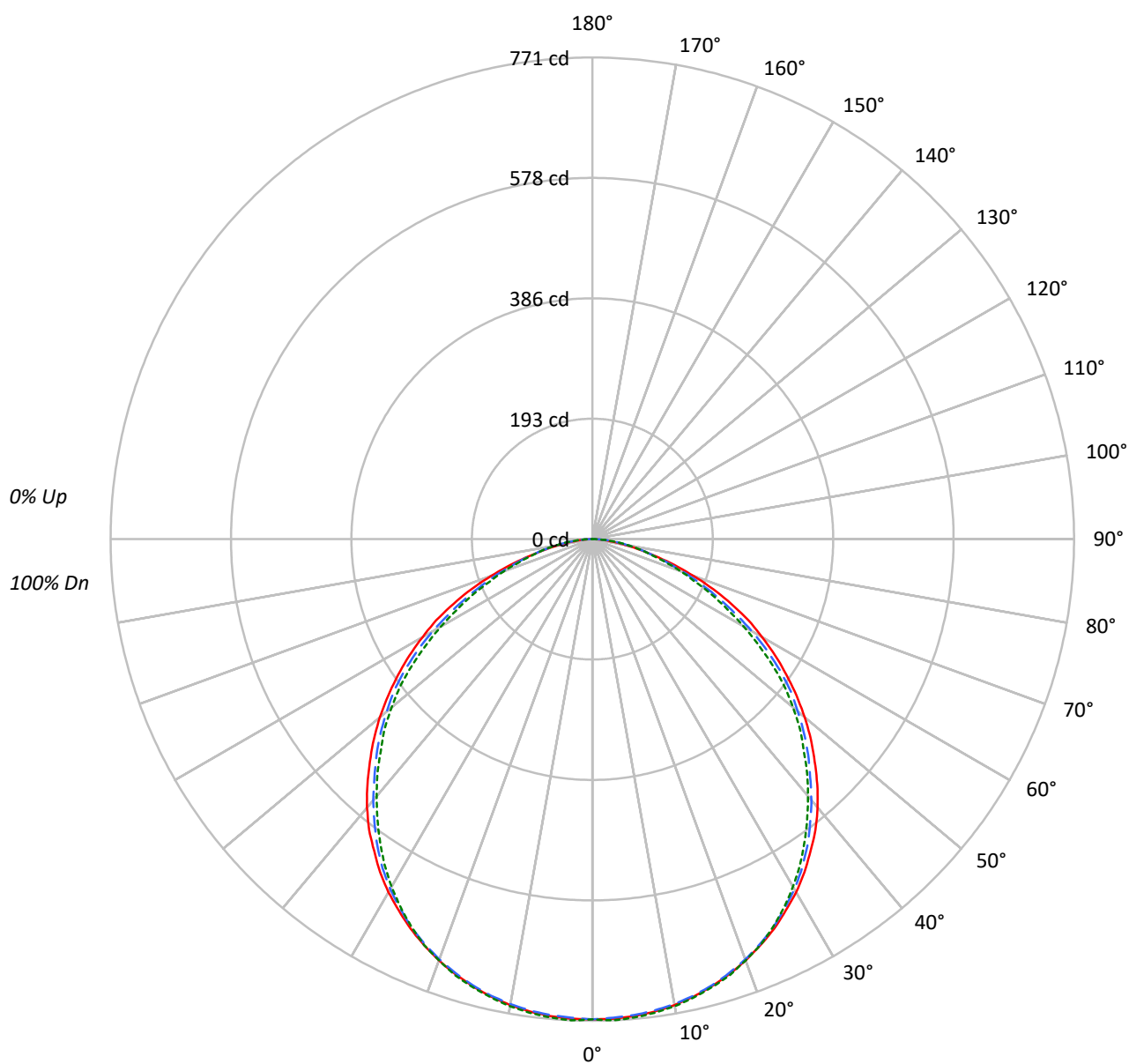
Lumens per Lamp: N/A
Luminaire Lumens: 2040.0 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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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	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2069	2069	2069
5°	2070	2066	2076
10°	2069	2065	2075
15°	2063	2060	2068
20°	2055	2050	2055
25°	2043	2035	2033
30°	2028	2010	1996
35°	2001	1970	1945
40°	1970	1916	1886
45°	1915	1859	1821
50°	1858	1797	1755
55°	1780	1720	1651
60°	1688	1588	1505
65°	1561	1418	1348
70°	1353	1234	1188
75°	1080	1056	1027
80°	821	917	917
85°	608	784	784

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1915 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.9	3.6
10°-20°	209.1	10.2
20°-30°	316.0	15.5
30°-40°	375.2	18.4
40°-50°	378.0	18.5
50°-60°	326.8	16.0
60°-70°	223.3	10.9
70°-80°	110.1	5.4
80°-90°	28.5	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°	598.0	29.3
0°-40°	973.2	47.7
0°-60°	1678.0	82.3
0°-90°	2040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2040.0	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°	741	741	739	742	742	209
25°	688	688	685	686	685	317
35°	609	607	600	594	592	381
45°	503	498	488	483	478	388
55°	379	378	367	356	352	339
65°	245	236	223	213	212	242
75°	104	103	102	102	99	113
85°	20	23	25	26	25	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	768.7	768.7	768.7	768.7	768.7
2.5°	768.5	768.7	766.7	770.2	771.0
5°	766.4	766.7	764.8	767.9	768.7
7.5°	762.8	763.3	761.0	764.2	764.8
10°	757.3	757.6	755.7	758.8	759.4
12.5°	750.0	750.2	748.5	751.3	751.3
15°	740.6	741.4	739.4	742.0	742.2
17.5°	730.0	730.3	728.3	731.1	731.8
20°	717.5	717.5	715.8	718.1	717.5
22.5°	703.5	703.5	701.5	702.7	703.2
25°	688.2	687.6	685.3	685.9	684.8
27.5°	670.5	670.5	666.4	666.4	664.5
30°	652.6	651.1	646.9	644.3	642.3
32.5°	632.0	630.0	624.6	620.1	618.6
35°	609.0	606.9	599.8	594.4	592.1
37.5°	586.8	582.2	572.8	567.4	564.8
40°	560.8	555.1	545.5	538.0	536.9
42.5°	532.9	528.4	515.9	510.4	509.0
45°	503.3	497.8	488.4	482.7	478.5
47.5°	474.2	470.2	459.4	452.6	451.2
50°	443.7	440.3	429.2	421.9	419.3
52.5°	412.1	409.9	400.4	391.0	387.9
55°	379.4	378.3	366.6	355.7	352.0
57.5°	347.2	345.8	331.2	318.7	315.3
60°	313.6	309.4	295.1	283.4	279.7
62.5°	281.7	272.6	257.2	248.1	243.8
65°	245.2	236.4	222.7	213.0	211.7
67.5°	209.4	198.8	188.3	182.3	177.7
70°	172.0	164.9	156.9	151.8	151.0
72.5°	137.2	132.2	128.1	125.0	122.4
75°	103.9	103.1	101.6	101.6	98.8
77.5°	76.4	78.4	79.5	79.2	79.8
80°	53.0	56.9	59.2	59.5	59.2
82.5°	33.6	38.2	41.9	42.4	43.1
85°	19.7	23.1	25.4	25.9	25.4
87.5°	8.8	11.1	11.7	12.2	11.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)