

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: P1050422

Luminaire Tested: PTR-14-20-PW1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050422
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-L840-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

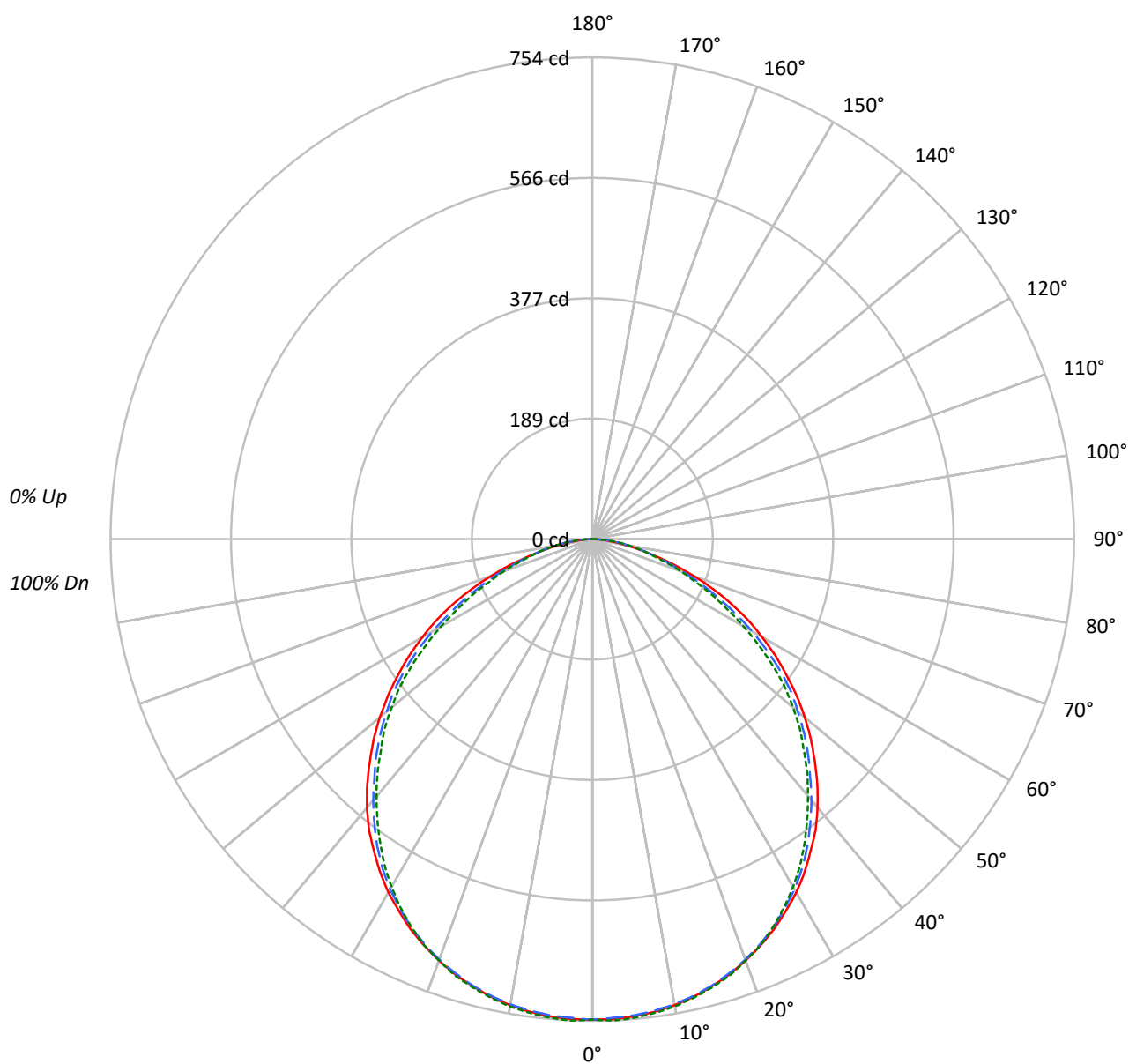
Lumens per Lamp: N/A
Luminaire Lumens: 1995.8 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	2024	2024	2024
5°	2025	2021	2032
10°	2025	2020	2030
15°	2018	2015	2023
20°	2010	2005	2010
25°	1999	1991	1989
30°	1984	1967	1953
35°	1957	1928	1903
40°	1927	1874	1845
45°	1874	1819	1781
50°	1817	1758	1717
55°	1742	1683	1616
60°	1651	1554	1473
65°	1528	1387	1319
70°	1324	1208	1162
75°	1057	1033	1005
80°	803	897	897
85°	593	766	766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1874 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	3.6
10°-20°	204.6	10.2
20°-30°	309.2	15.5
30°-40°	367.1	18.4
40°-50°	369.9	18.5
50°-60°	319.7	16.0
60°-70°	218.5	10.9
70°-80°	107.7	5.4
80°-90°	27.9	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°	585.1	29.3
0°-40°	952.2	47.7
0°-60°	1641.7	82.3
0°-90°	1995.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1995.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	752	752	752	752	752	
5°	750	750	748	751	752	71
15°	724	725	723	726	726	205
25°	673	673	670	671	670	310
35°	596	594	587	582	579	373
45°	492	487	478	472	468	380
55°	371	370	359	348	344	332
65°	240	231	218	208	207	237
75°	102	101	99	99	97	111
85°	19	23	25	25	25	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	752.1	752.1	752.1	752.1	752.1
2.5°	751.9	752.1	750.1	753.5	754.3
5°	749.8	750.1	748.2	751.3	752.1
7.5°	746.3	746.8	744.6	747.6	748.2
10°	740.9	741.2	739.3	742.3	743.0
12.5°	733.7	733.9	732.3	735.1	735.1
15°	724.5	725.3	723.4	725.9	726.1
17.5°	714.2	714.5	712.6	715.3	715.9
20°	701.9	701.9	700.3	702.5	701.9
22.5°	688.3	688.3	686.3	687.5	688.0
25°	673.3	672.7	670.4	671.1	669.9
27.5°	656.0	656.0	652.0	652.0	650.1
30°	638.5	637.0	632.9	630.4	628.4
32.5°	618.3	616.4	611.1	606.7	605.2
35°	595.8	593.8	586.8	581.5	579.3
37.5°	574.0	569.6	560.4	555.1	552.6
40°	548.6	543.1	533.6	526.4	525.2
42.5°	521.4	516.9	504.7	499.3	498.0
45°	492.4	487.1	477.9	472.3	468.1
47.5°	464.0	460.0	449.5	442.8	441.4
50°	434.1	430.8	419.9	412.7	410.2
52.5°	403.2	401.0	391.8	382.6	379.5
55°	371.2	370.1	358.7	348.0	344.4
57.5°	339.7	338.3	324.0	311.8	308.4
60°	306.8	302.7	288.7	277.3	273.6
62.5°	275.6	266.7	251.6	242.7	238.6
65°	239.9	231.3	217.9	208.4	207.1
67.5°	204.9	194.5	184.2	178.3	173.9
70°	168.3	161.3	153.5	148.6	147.7
72.5°	134.3	129.3	125.4	122.3	119.8
75°	101.7	100.9	99.4	99.4	96.7
77.5°	74.7	76.7	77.8	77.5	78.1
80°	51.8	55.7	57.9	58.2	57.9
82.5°	32.9	37.4	41.0	41.5	42.1
85°	19.2	22.6	24.8	25.3	24.8
87.5°	8.6	10.8	11.4	11.9	11.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)