

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: P1050439

Luminaire Tested: PTR-14-80-PW1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050439
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-14-80-PW1-L840-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

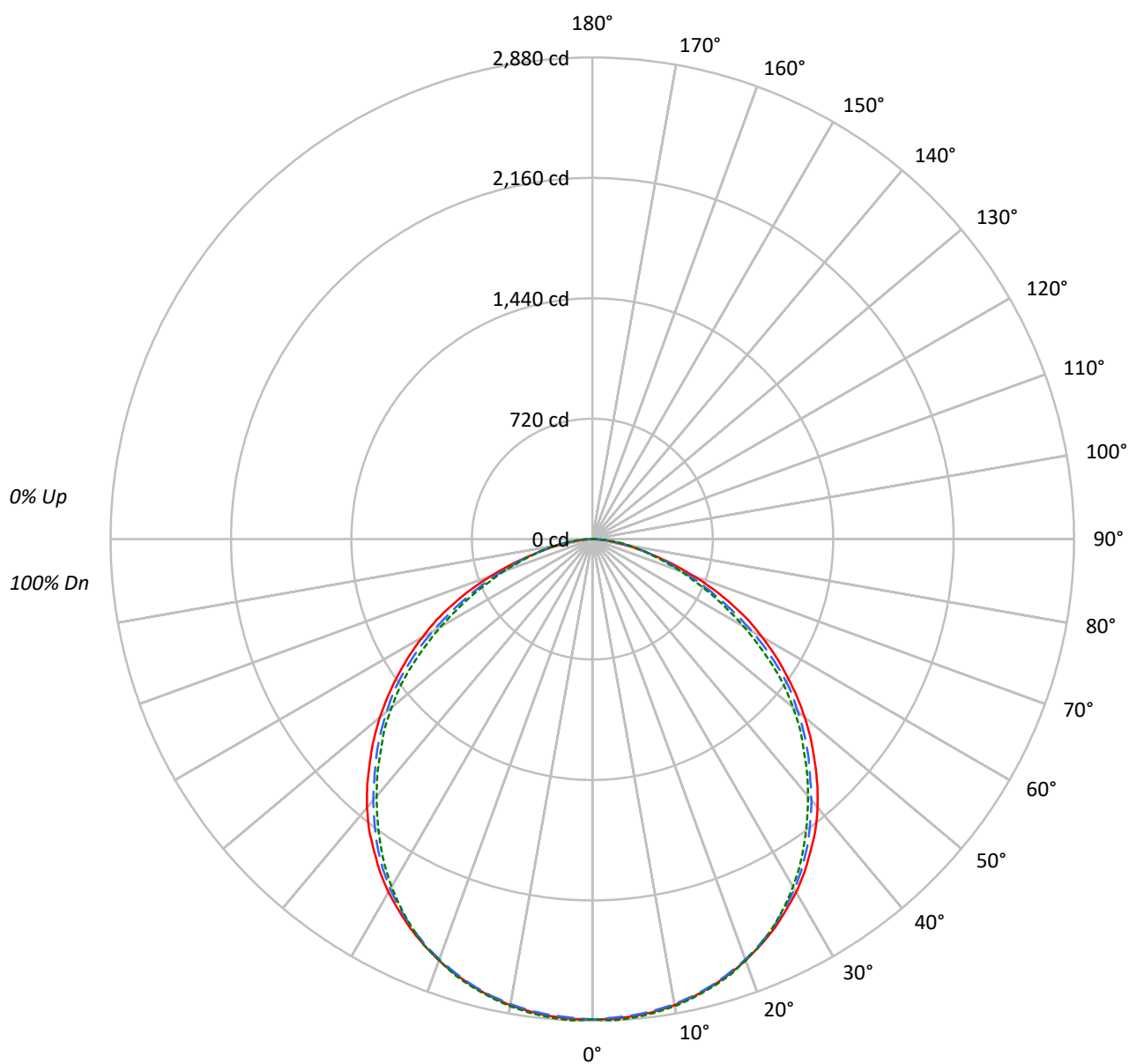
Lumens per Lamp: N/A
Luminaire Lumens: 7620.5 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 71
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	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7727	7727	7727
5°	7734	7717	7757
10°	7730	7713	7751
15°	7707	7695	7724
20°	7675	7657	7675
25°	7633	7601	7595
30°	7575	7509	7456
35°	7473	7360	7266
40°	7359	7158	7045
45°	7155	6943	6802
50°	6939	6713	6557
55°	6650	6425	6169
60°	6305	5933	5623
65°	5832	5298	5035
70°	5056	4611	4438
75°	4036	3948	3839
80°	3068	3428	3428
85°	2269	2924	2924

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7155 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.3	3.6
10°-20°	781.1	10.2
20°-30°	1180.5	15.5
30°-40°	1401.7	18.4
40°-50°	1412.2	18.5
50°-60°	1220.7	16.0
60°-70°	834.3	10.9
70°-80°	411.4	5.4
80°-90°	106.4	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°	2233.9	29.3
0°-40°	3635.6	47.7
0°-60°	6268.4	82.3
0°-90°	7620.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7620.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2872	2872	2872	2872	2872	
5°	2863	2864	2857	2868	2872	272
15°	2766	2770	2762	2772	2772	781
25°	2571	2568	2560	2562	2558	1184
35°	2275	2267	2240	2220	2212	1424
45°	1880	1860	1824	1803	1787	1451
55°	1417	1413	1370	1329	1315	1267
65°	916	883	832	796	791	904
75°	388	385	380	380	369	423
85°	74	86	95	97	95	90
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2871.5	2871.5	2871.5	2871.5	2871.5
2.5°	2870.8	2871.5	2864.2	2876.9	2880.0
5°	2863.0	2864.2	2856.8	2868.4	2871.5
7.5°	2849.5	2851.4	2842.9	2854.5	2856.8
10°	2829.0	2830.2	2822.8	2834.4	2836.7
12.5°	2801.5	2802.3	2796.1	2806.6	2806.6
15°	2766.4	2769.5	2762.1	2771.8	2772.5
17.5°	2726.9	2728.1	2720.7	2731.2	2733.5
20°	2680.1	2680.1	2674.0	2682.5	2680.1
22.5°	2627.9	2627.9	2620.6	2624.9	2626.8
25°	2570.7	2568.4	2559.9	2562.2	2558.0
27.5°	2504.6	2504.6	2489.5	2489.5	2482.2
30°	2437.7	2432.3	2416.5	2406.8	2399.4
32.5°	2360.8	2353.4	2333.3	2316.3	2310.9
35°	2274.9	2267.2	2240.5	2220.4	2211.9
37.5°	2191.8	2174.8	2139.6	2119.5	2109.9
40°	2094.8	2073.5	2037.6	2009.7	2005.5
42.5°	1990.8	1973.8	1927.0	1906.5	1901.5
45°	1880.2	1859.7	1824.5	1803.3	1787.4
47.5°	1771.6	1756.5	1716.3	1690.7	1685.3
50°	1657.5	1644.7	1603.4	1575.9	1566.3
52.5°	1539.6	1531.1	1495.9	1460.7	1449.1
55°	1417.4	1413.1	1369.5	1328.9	1314.9
57.5°	1297.2	1291.7	1237.2	1190.4	1177.7
60°	1171.5	1155.6	1102.3	1058.6	1044.7
62.5°	1052.4	1018.4	960.8	926.8	910.9
65°	915.9	883.1	832.0	795.7	790.7
67.5°	782.2	742.7	703.3	680.9	663.8
70°	642.6	615.9	586.1	567.2	564.1
72.5°	512.7	493.7	478.7	467.1	457.4
75°	388.2	385.1	379.7	379.7	369.2
77.5°	285.3	292.7	296.9	295.8	298.1
80°	198.0	212.6	221.2	222.3	221.2
82.5°	125.7	142.7	156.6	158.5	160.8
85°	73.5	86.2	94.7	96.7	94.7
87.5°	32.9	41.4	43.7	45.6	43.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)