

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: P1050292

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050292
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PLG-L840-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

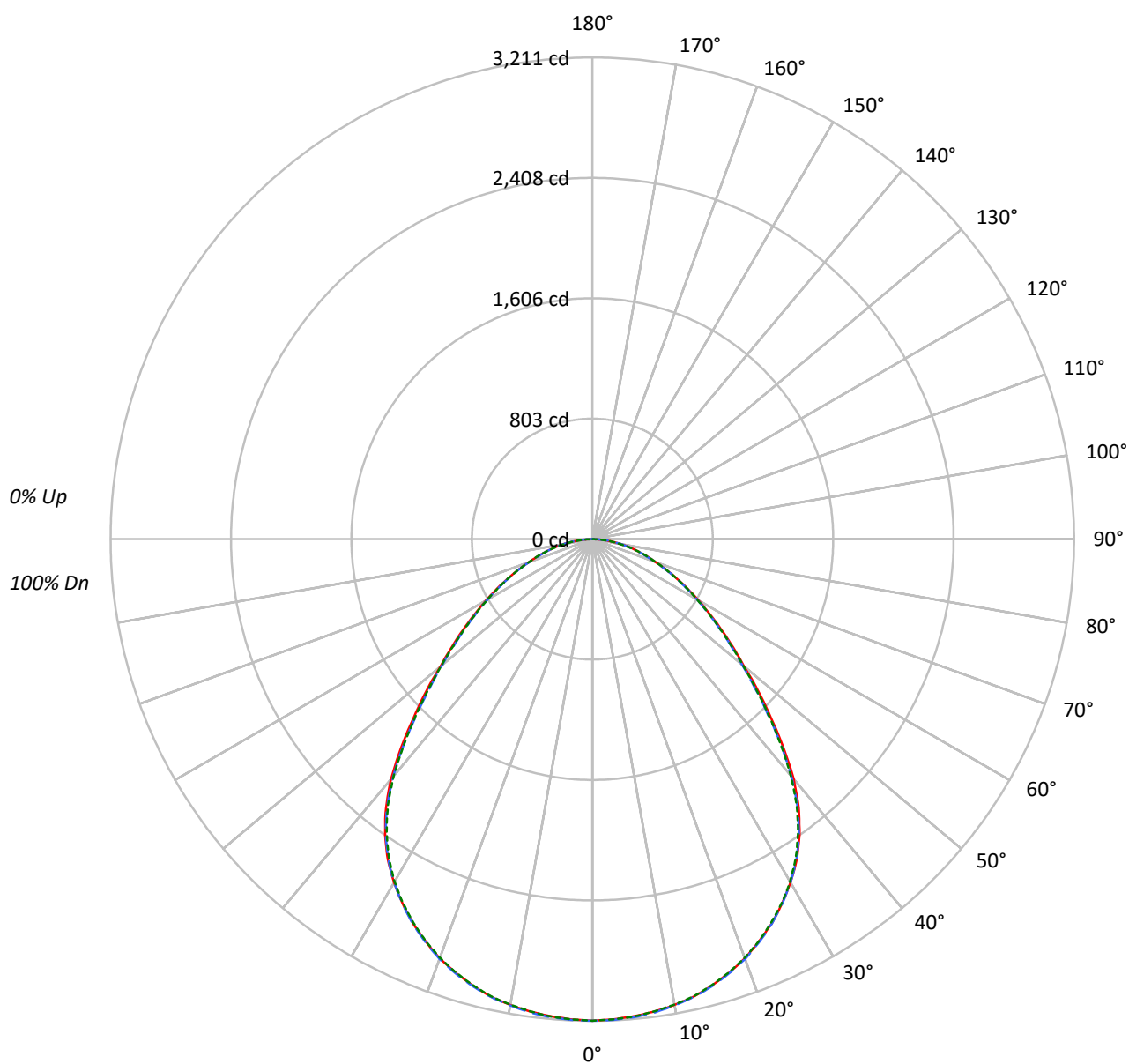
Lumens per Lamp: N/A
Luminaire Lumens: 7234.5 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86	84	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74	72	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64	62	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56	54	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49	47	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43	41	43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39	37	39
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35	33	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32	30	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29	27	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8640	8640	8640
5°	8623	8642	8630
10°	8617	8623	8611
15°	8583	8595	8576
20°	8515	8529	8503
25°	8396	8403	8376
30°	8213	8213	8192
35°	7912	7890	7852
40°	7332	7252	7228
45°	6408	6304	6330
50°	5533	5466	5495
55°	4918	4843	4853
60°	4402	4341	4341
65°	3947	3917	3932
70°	3550	3514	3550
75°	3293	3246	3293
80°	3071	3037	2930
85°	2603	2603	2322

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6408 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.0	4.2
10°-20°	869.8	12.0
20°-30°	1301.4	18.0
30°-40°	1491.1	20.6
40°-50°	1289.6	17.8
50°-60°	933.3	12.9
60°-70°	614.8	8.5
70°-80°	334.6	4.6
80°-90°	95.9	1.3
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°	2475.2	34.2
0°-40°	3966.3	54.8
0°-60°	6189.2	85.6
0°-90°	7234.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7234.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3211	3211	3211	3211	3211	
5°	3192	3199	3199	3199	3195	304
15°	3081	3083	3085	3090	3078	869
25°	2828	2828	2830	2832	2821	1301
35°	2408	2406	2402	2399	2390	1496
45°	1684	1679	1657	1654	1663	1304
55°	1048	1044	1032	1025	1034	943
65°	620	624	615	611	618	619
75°	317	317	312	312	317	337
85°	84	84	84	87	75	98
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3210.6	3210.6	3210.6	3210.6	3210.6
2.5°	3203.8	3210.6	3208.3	3210.6	3203.8
5°	3192.4	3199.2	3199.2	3199.2	3194.7
7.5°	3176.4	3181.0	3183.3	3185.6	3174.2
10°	3153.7	3158.2	3155.9	3160.5	3151.4
12.5°	3124.0	3124.0	3126.3	3130.9	3121.8
15°	3080.7	3083.0	3085.3	3089.9	3078.5
17.5°	3030.6	3032.9	3035.2	3037.4	3028.3
20°	2973.6	2973.6	2978.2	2980.5	2969.1
22.5°	2903.0	2903.0	2907.6	2914.4	2900.7
25°	2827.8	2827.8	2830.1	2832.4	2821.0
27.5°	2738.9	2738.9	2741.2	2748.1	2734.4
30°	2643.2	2641.0	2643.2	2645.5	2636.4
32.5°	2536.1	2533.9	2531.6	2533.9	2522.5
35°	2408.5	2406.3	2401.7	2399.4	2390.3
37.5°	2260.4	2255.9	2246.8	2246.8	2237.6
40°	2087.2	2075.9	2064.5	2059.9	2057.6
42.5°	1886.7	1877.6	1861.7	1859.4	1859.4
45°	1683.9	1679.4	1656.6	1654.3	1663.4
47.5°	1501.6	1490.2	1469.7	1465.2	1478.8
50°	1321.6	1323.9	1305.7	1298.8	1312.5
52.5°	1180.3	1175.8	1159.8	1155.3	1166.7
55°	1048.2	1043.6	1032.2	1025.4	1034.5
57.5°	927.4	925.1	913.7	911.5	916.0
60°	818.0	815.8	806.6	804.4	806.6
62.5°	715.5	715.5	706.4	701.8	708.7
65°	619.8	624.4	615.2	610.7	617.5
67.5°	533.2	537.8	528.6	524.1	533.2
70°	451.2	455.7	446.6	442.1	451.2
72.5°	380.5	382.8	376.0	373.7	385.1
75°	316.7	316.7	312.2	312.2	316.7
77.5°	257.5	255.2	252.9	252.9	248.4
80°	198.2	196.0	196.0	196.0	189.1
82.5°	141.3	136.7	139.0	141.3	129.9
85°	84.3	84.3	84.3	86.6	75.2
87.5°	34.2	34.2	31.9	34.2	29.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)