

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: P1050313

Luminaire Tested: PTR-14-60-PLG-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050313
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-14-60-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

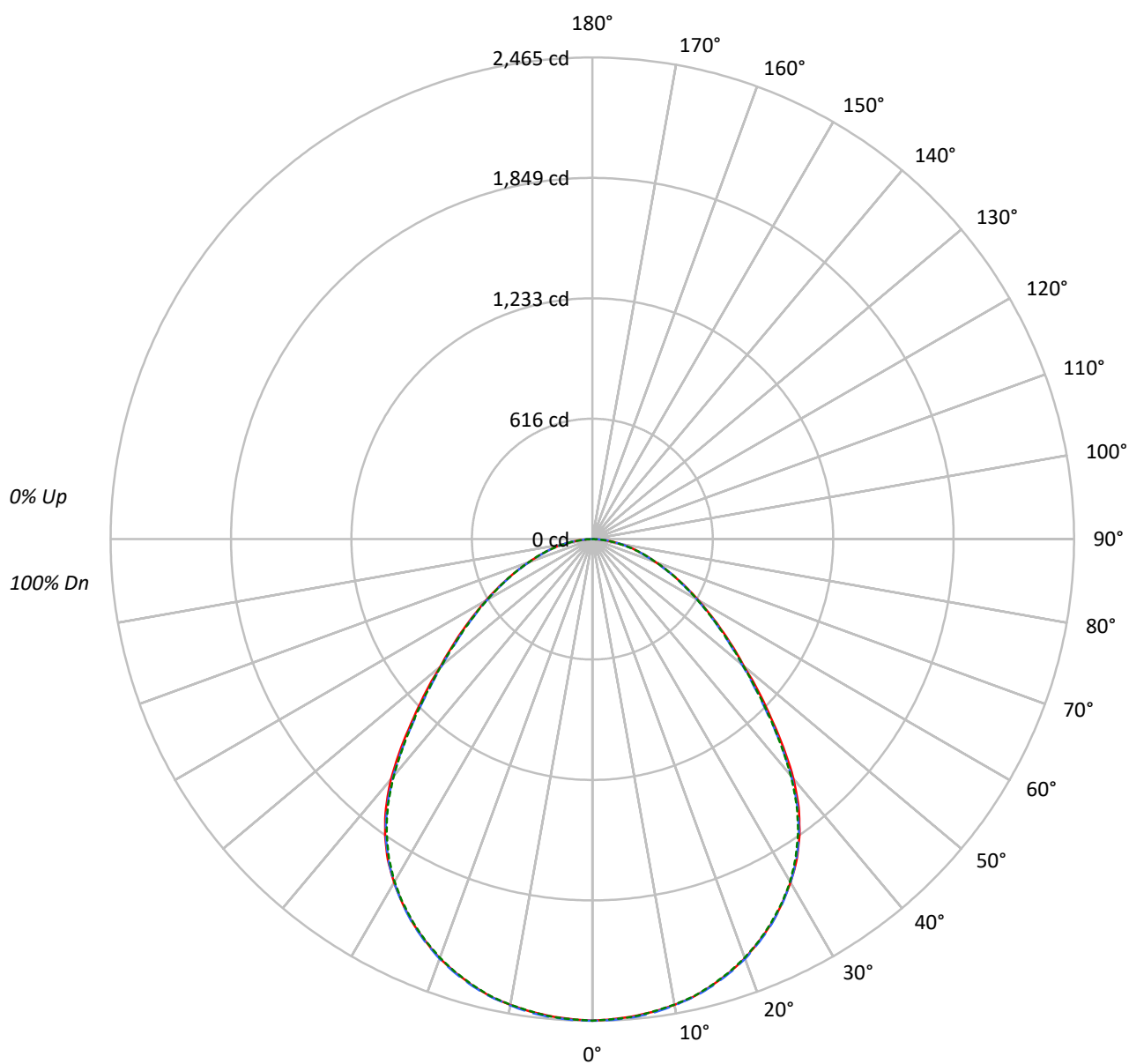
Lumens per Lamp: N/A
Luminaire Lumens: 5553.4 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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°	6632	6632	6632
5°	6620	6634	6624
10°	6615	6620	6610
15°	6588	6598	6583
20°	6537	6547	6527
25°	6445	6451	6430
30°	6305	6305	6289
35°	6074	6056	6028
40°	5628	5567	5549
45°	4919	4839	4859
50°	4247	4196	4218
55°	3775	3718	3726
60°	3380	3333	3333
65°	3030	3007	3018
70°	2725	2697	2725
75°	2528	2491	2528
80°	2359	2331	2250
85°	1998	1998	1782

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4919 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.3	4.2
10°-20°	667.7	12.0
20°-30°	999.0	18.0
30°-40°	1144.6	20.6
40°-50°	989.9	17.8
50°-60°	716.5	12.9
60°-70°	471.9	8.5
70°-80°	256.9	4.6
80°-90°	73.6	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°	1900.0	34.2
0°-40°	3044.6	54.8
0°-60°	4751.0	85.6
0°-90°	5553.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5553.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2465	2465	2465	2465	2465	
5°	2451	2456	2456	2456	2452	233
15°	2365	2367	2368	2372	2363	667
25°	2171	2171	2172	2174	2166	998
35°	1849	1847	1844	1842	1835	1149
45°	1293	1289	1272	1270	1277	1001
55°	805	801	792	787	794	724
65°	476	479	472	469	474	475
75°	243	243	240	240	243	259
85°	65	65	65	66	58	75
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2464.6	2464.6	2464.6	2464.6	2464.6
2.5°	2459.3	2464.6	2462.8	2464.6	2459.3
5°	2450.6	2455.8	2455.8	2455.8	2452.3
7.5°	2438.3	2441.8	2443.6	2445.3	2436.6
10°	2420.9	2424.3	2422.6	2426.1	2419.1
12.5°	2398.1	2398.1	2399.9	2403.4	2396.4
15°	2364.9	2366.6	2368.4	2371.9	2363.1
17.5°	2326.4	2328.1	2329.9	2331.6	2324.6
20°	2282.7	2282.7	2286.2	2287.9	2279.2
22.5°	2228.4	2228.4	2231.9	2237.2	2226.7
25°	2170.7	2170.7	2172.5	2174.2	2165.5
27.5°	2102.5	2102.5	2104.3	2109.5	2099.0
30°	2029.0	2027.3	2029.0	2030.8	2023.8
32.5°	1946.8	1945.1	1943.3	1945.1	1936.3
35°	1848.9	1847.1	1843.6	1841.9	1834.9
37.5°	1735.2	1731.7	1724.7	1724.7	1717.7
40°	1602.2	1593.5	1584.7	1581.2	1579.5
42.5°	1448.3	1441.3	1429.1	1427.3	1427.3
45°	1292.6	1289.1	1271.6	1269.9	1276.9
47.5°	1152.7	1144.0	1128.2	1124.7	1135.2
50°	1014.5	1016.3	1002.3	997.0	1007.5
52.5°	906.1	902.6	890.3	886.8	895.6
55°	804.6	801.1	792.4	787.1	794.1
57.5°	711.9	710.2	701.4	699.7	703.2
60°	628.0	626.2	619.2	617.5	619.2
62.5°	549.2	549.2	542.2	538.7	544.0
65°	475.8	479.3	472.3	468.8	474.0
67.5°	409.3	412.8	405.8	402.3	409.3
70°	346.3	349.8	342.8	339.3	346.3
72.5°	292.1	293.9	288.6	286.9	295.6
75°	243.1	243.1	239.6	239.6	243.1
77.5°	197.7	195.9	194.2	194.2	190.7
80°	152.2	150.4	150.4	150.4	145.2
82.5°	108.4	105.0	106.7	108.4	99.7
85°	64.7	64.7	64.7	66.5	57.7
87.5°	26.2	26.2	24.5	26.2	22.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)