

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: P1050311

Luminaire Tested: PTR-14-60-PLG-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050311
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-L830-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

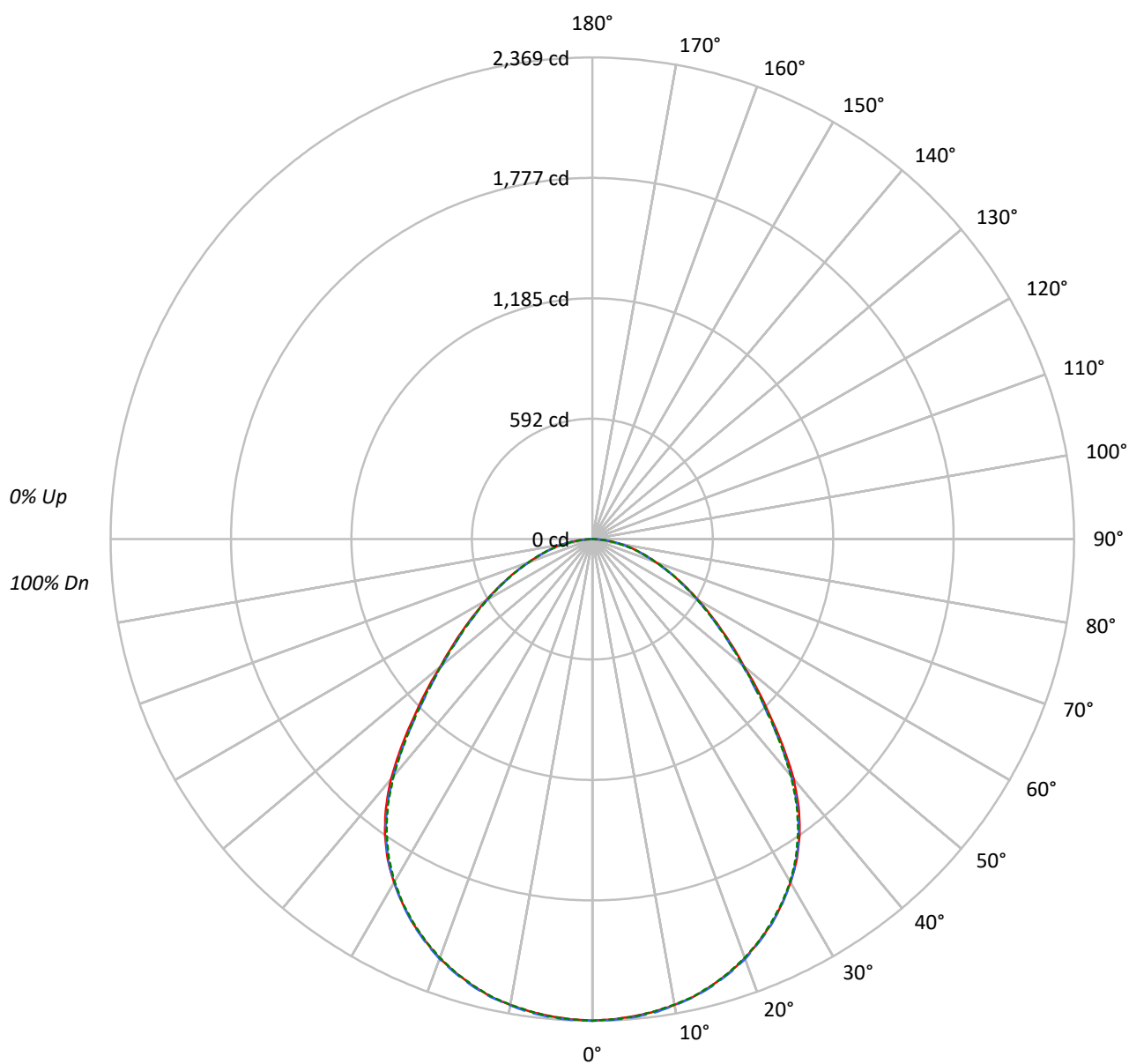
Lumens per Lamp: N/A
Luminaire Lumens: 5337.8 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	6375	6375	6375
5°	6363	6376	6367
10°	6358	6363	6354
15°	6332	6342	6328
20°	6283	6293	6273
25°	6195	6200	6180
30°	6060	6060	6044
35°	5838	5821	5794
40°	5410	5351	5333
45°	4728	4652	4671
50°	4082	4033	4054
55°	3628	3573	3581
60°	3249	3203	3203
65°	2912	2890	2901
70°	2619	2592	2619
75°	2430	2394	2430
80°	2267	2241	2162
85°	1920	1920	1714

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4728 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.3	4.2
10°-20°	641.7	12.0
20°-30°	960.2	18.0
30°-40°	1100.1	20.6
40°-50°	951.5	17.8
50°-60°	688.6	12.9
60°-70°	453.6	8.5
70°-80°	246.9	4.6
80°-90°	70.8	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°	1826.3	34.2
0°-40°	2926.4	54.8
0°-60°	4566.5	85.6
0°-90°	5337.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5337.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2369	2369	2369	2369	2369	
5°	2355	2360	2360	2360	2357	224
15°	2273	2275	2276	2280	2271	641
25°	2086	2086	2088	2090	2081	960
35°	1777	1775	1772	1770	1764	1104
45°	1242	1239	1222	1221	1227	962
55°	773	770	762	757	763	696
65°	457	461	454	451	456	457
75°	234	234	230	230	234	249
85°	62	62	62	64	56	72
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2368.9	2368.9	2368.9	2368.9	2368.9
2.5°	2363.8	2368.9	2367.2	2368.9	2363.8
5°	2355.4	2360.5	2360.5	2360.5	2357.1
7.5°	2343.6	2347.0	2348.7	2350.4	2342.0
10°	2326.8	2330.2	2328.5	2331.9	2325.2
12.5°	2305.0	2305.0	2306.7	2310.0	2303.3
15°	2273.0	2274.7	2276.4	2279.8	2271.4
17.5°	2236.1	2237.7	2239.4	2241.1	2234.4
20°	2194.0	2194.0	2197.4	2199.1	2190.7
22.5°	2141.9	2141.9	2145.3	2150.3	2140.2
25°	2086.4	2086.4	2088.1	2089.8	2081.4
27.5°	2020.9	2020.9	2022.5	2027.6	2017.5
30°	1950.2	1948.6	1950.2	1951.9	1945.2
32.5°	1871.2	1869.5	1867.9	1869.5	1861.1
35°	1777.1	1775.4	1772.0	1770.3	1763.6
37.5°	1667.8	1664.4	1657.7	1657.7	1651.0
40°	1540.0	1531.6	1523.2	1519.8	1518.2
42.5°	1392.1	1385.3	1373.6	1371.9	1371.9
45°	1242.4	1239.1	1222.3	1220.6	1227.3
47.5°	1107.9	1099.5	1084.4	1081.0	1091.1
50°	975.1	976.8	963.4	958.3	968.4
52.5°	870.9	867.5	855.8	852.4	860.8
55°	773.4	770.0	761.6	756.6	763.3
57.5°	684.3	682.6	674.2	672.5	675.9
60°	603.6	601.9	595.2	593.5	595.2
62.5°	527.9	527.9	521.2	517.8	522.9
65°	457.3	460.7	453.9	450.6	455.6
67.5°	393.4	396.8	390.0	386.7	393.4
70°	332.9	336.2	329.5	326.2	332.9
72.5°	280.8	282.4	277.4	275.7	284.1
75°	233.7	233.7	230.3	230.3	233.7
77.5°	190.0	188.3	186.6	186.6	183.3
80°	146.3	144.6	144.6	144.6	139.5
82.5°	104.2	100.9	102.6	104.2	95.8
85°	62.2	62.2	62.2	63.9	55.5
87.5°	25.2	25.2	23.5	25.2	21.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)