

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: P1050100

Luminaire Tested: PTR-14-80-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050100
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

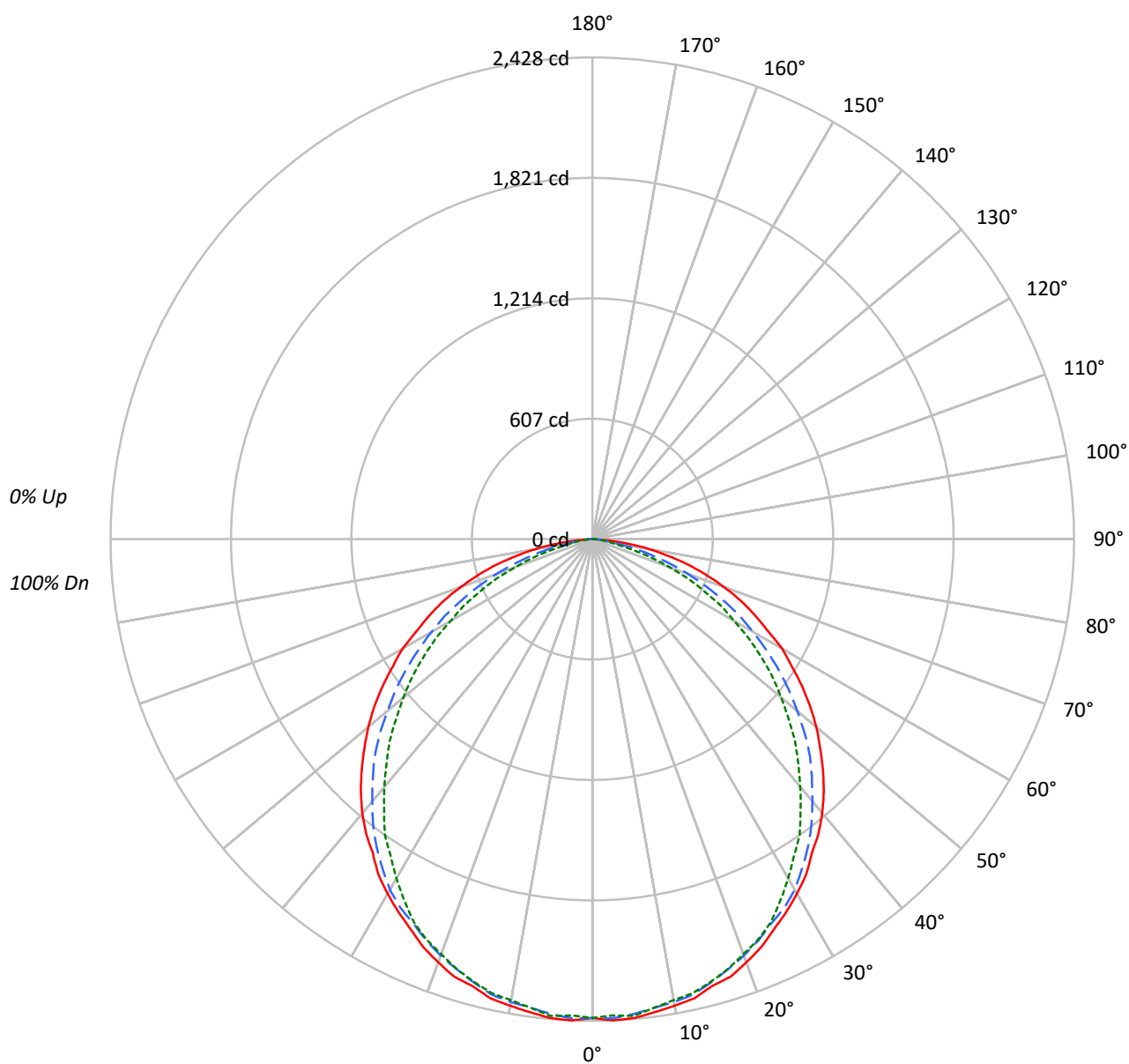
Lumens per Lamp: N/A
Luminaire Lumens: 6430.4 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
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	56	68	61	56	66	60	55	64	58	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	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	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6496	6496	6496
5°	6544	6490	6517
10°	6526	6475	6447
15°	6497	6445	6433
20°	6501	6399	6374
25°	6438	6344	6323
30°	6411	6340	6134
35°	6339	6226	5984
40°	6334	6061	5728
45°	6254	5904	5499
50°	6170	5640	5201
55°	6051	5377	4884
60°	5943	5030	4434
65°	5740	4614	3964
70°	5555	4016	3235
75°	5217	3169	2227
80°	4523	1917	1337
85°	3020	1377	1288

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6254 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.8	3.6
10°-20°	654.8	10.2
20°-30°	989.1	15.4
30°-40°	1176.0	18.3
40°-50°	1192.7	18.5
50°-60°	1035.7	16.1
60°-70°	735.2	11.4
70°-80°	351.4	5.5
80°-90°	66.6	1.0
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°	1872.8	29.1
0°-40°	3048.8	47.4
0°-60°	5277.2	82.1
0°-90°	6430.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6430.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2414	2414	2414	2414	2414	
5°	2423	2414	2403	2408	2413	230
15°	2332	2338	2314	2311	2309	661
25°	2168	2165	2137	2145	2129	1001
35°	1930	1927	1895	1830	1822	1212
45°	1643	1629	1551	1470	1445	1268
55°	1290	1251	1146	1078	1041	1152
65°	902	834	725	647	623	893
75°	502	410	305	242	214	526
85°	98	52	45	43	42	123
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2414.1	2414.1	2414.1	2414.1	2414.1
2.5°	2428.5	2419.9	2417.0	2427.1	2402.6
5°	2422.7	2414.1	2402.6	2408.4	2412.7
7.5°	2405.5	2398.3	2382.5	2395.4	2382.5
10°	2388.2	2381.0	2369.5	2373.9	2359.5
12.5°	2371.0	2353.7	2350.9	2353.7	2343.7
15°	2332.2	2337.9	2313.5	2310.6	2309.2
17.5°	2313.5	2299.1	2273.2	2274.6	2271.8
20°	2270.3	2253.1	2234.4	2231.5	2225.8
22.5°	2225.8	2205.6	2188.4	2197.0	2184.1
25°	2168.2	2165.4	2136.6	2145.2	2129.4
27.5°	2117.9	2107.9	2094.9	2076.2	2053.2
30°	2063.3	2053.2	2040.3	1991.4	1974.1
32.5°	2005.8	1994.3	1968.4	1910.9	1892.2
35°	1929.6	1926.7	1895.1	1830.4	1821.7
37.5°	1872.1	1840.4	1814.5	1748.4	1724.0
40°	1803.0	1785.8	1725.4	1662.1	1630.5
42.5°	1726.8	1706.7	1637.7	1570.1	1535.6
45°	1643.4	1629.1	1551.4	1469.5	1445.0
47.5°	1557.2	1544.2	1452.2	1373.1	1341.5
50°	1473.8	1458.0	1347.2	1271.0	1242.3
52.5°	1383.2	1357.3	1248.0	1173.3	1146.0
55°	1289.7	1250.9	1146.0	1078.4	1041.0
57.5°	1190.5	1154.6	1038.1	967.7	937.5
60°	1104.3	1053.9	934.6	862.7	823.9
62.5°	993.5	950.4	836.8	752.0	733.3
65°	901.5	833.9	724.7	647.0	622.6
67.5°	808.1	729.0	618.3	539.2	526.2
70°	706.0	624.0	510.4	432.8	411.2
72.5°	602.5	521.9	411.2	329.3	316.3
75°	501.8	409.8	304.8	241.6	214.2
77.5°	392.5	309.1	214.2	148.1	130.8
80°	291.9	208.5	123.7	87.7	86.3
82.5°	191.2	120.8	66.1	67.6	64.7
85°	97.8	51.8	44.6	43.1	41.7
87.5°	18.7	20.1	21.6	21.6	21.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)