

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: P1050443

Luminaire Tested: PTR-14-80-PW1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050443
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-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

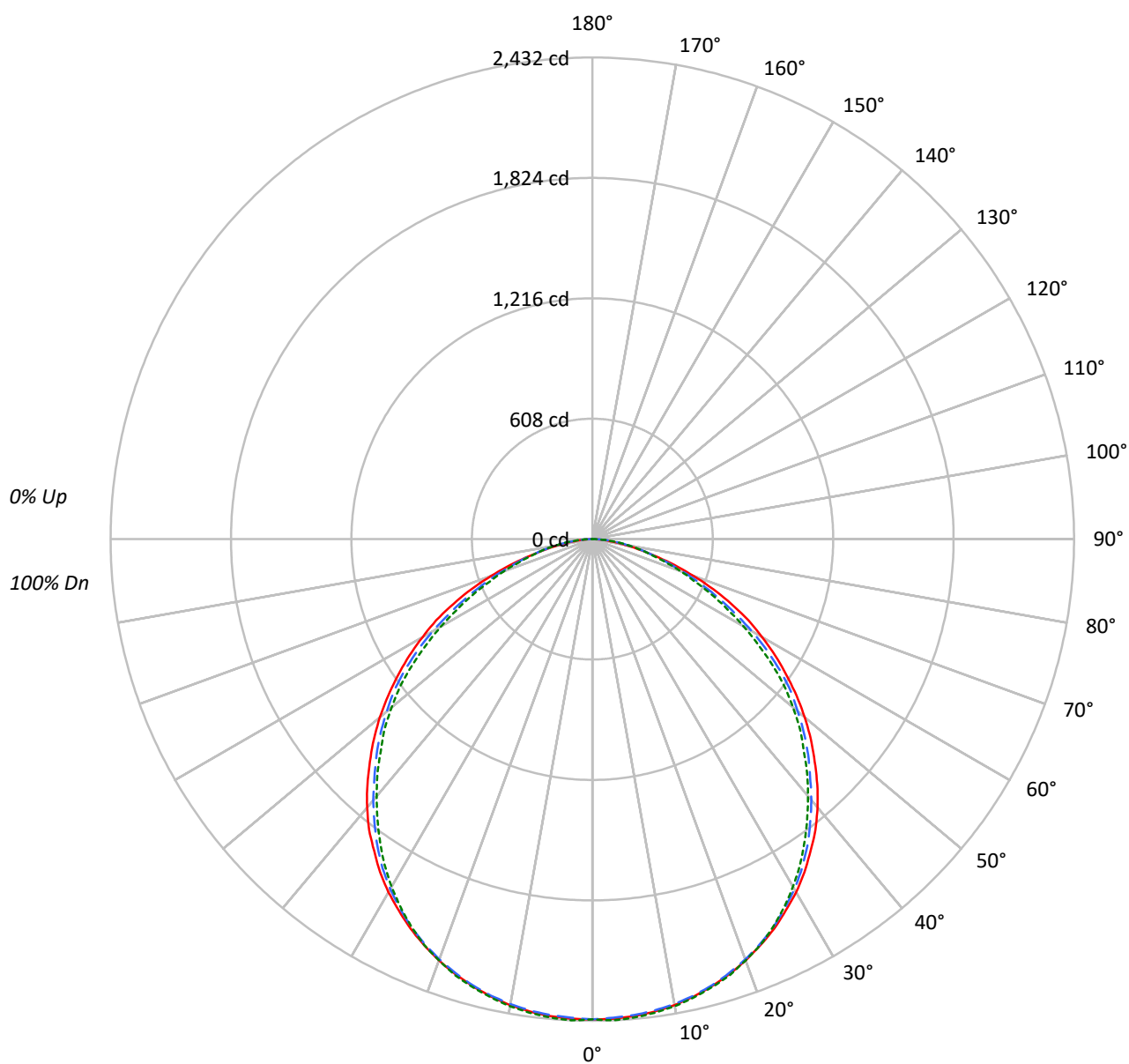
Lumens per Lamp: N/A
Luminaire Lumens: 6434.9 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	6525	6525	6525
5°	6531	6517	6550
10°	6528	6513	6545
15°	6508	6498	6522
20°	6481	6466	6481
25°	6445	6418	6413
30°	6396	6340	6296
35°	6311	6215	6136
40°	6214	6044	5949
45°	6042	5863	5744
50°	5859	5668	5537
55°	5615	5425	5210
60°	5324	5010	4748
65°	4925	4474	4252
70°	4269	3894	3747
75°	3408	3333	3242
80°	2591	2893	2893
85°	1914	2470	2470

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6042 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.0	3.6
10°-20°	659.6	10.2
20°-30°	996.8	15.5
30°-40°	1183.6	18.4
40°-50°	1192.5	18.5
50°-60°	1030.7	16.0
60°-70°	704.5	10.9
70°-80°	347.4	5.4
80°-90°	89.8	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°	1886.3	29.3
0°-40°	3070.0	47.7
0°-60°	5293.2	82.3
0°-90°	6434.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6434.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2425	2425	2425	2425	2425	
5°	2418	2419	2412	2422	2425	230
15°	2336	2339	2332	2340	2341	659
25°	2171	2169	2162	2164	2160	1000
35°	1921	1914	1892	1875	1868	1202
45°	1588	1570	1541	1523	1509	1225
55°	1197	1193	1156	1122	1110	1070
65°	773	746	703	672	668	764
75°	328	325	321	321	312	357
85°	62	73	80	82	80	76
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2424.8	2424.8	2424.8	2424.8	2424.8
2.5°	2424.1	2424.8	2418.6	2429.3	2432.0
5°	2417.6	2418.6	2412.4	2422.2	2424.8
7.5°	2406.2	2407.8	2400.6	2410.4	2412.4
10°	2388.9	2389.8	2383.6	2393.4	2395.4
12.5°	2365.7	2366.3	2361.1	2369.9	2369.9
15°	2336.0	2338.6	2332.4	2340.5	2341.2
17.5°	2302.7	2303.6	2297.4	2306.3	2308.2
20°	2263.2	2263.2	2257.9	2265.1	2263.2
22.5°	2219.1	2219.1	2212.9	2216.5	2218.1
25°	2170.8	2168.8	2161.6	2163.6	2160.0
27.5°	2114.9	2114.9	2102.2	2102.2	2096.0
30°	2058.5	2053.9	2040.5	2032.3	2026.1
32.5°	1993.5	1987.3	1970.3	1955.9	1951.4
35°	1921.0	1914.5	1892.0	1875.0	1867.8
37.5°	1850.8	1836.5	1806.7	1789.8	1781.6
40°	1768.9	1750.9	1720.6	1697.0	1693.5
42.5°	1681.0	1666.7	1627.2	1609.9	1605.6
45°	1587.7	1570.4	1540.7	1522.7	1509.3
47.5°	1495.9	1483.2	1449.2	1427.7	1423.1
50°	1399.6	1388.8	1353.9	1330.7	1322.6
52.5°	1300.0	1292.9	1263.2	1233.4	1223.6
55°	1196.9	1193.3	1156.4	1122.1	1110.4
57.5°	1095.3	1090.8	1044.7	1005.2	994.5
60°	989.2	975.9	930.8	893.9	882.2
62.5°	888.7	859.9	811.3	782.6	769.2
65°	773.4	745.7	702.6	671.9	667.7
67.5°	660.5	627.2	593.9	574.9	560.6
70°	542.6	520.1	494.9	478.9	476.3
72.5°	432.9	416.9	404.2	394.4	386.2
75°	327.8	325.2	320.6	320.6	311.8
77.5°	240.9	247.1	250.7	249.8	251.7
80°	167.2	179.6	186.7	187.7	186.7
82.5°	106.1	120.5	132.2	133.9	135.8
85°	62.0	72.8	80.0	81.6	80.0
87.5°	27.8	34.9	36.9	38.5	36.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)