

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: P1050247

Luminaire Tested: PTR-14-80-PL1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050247
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PL1-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

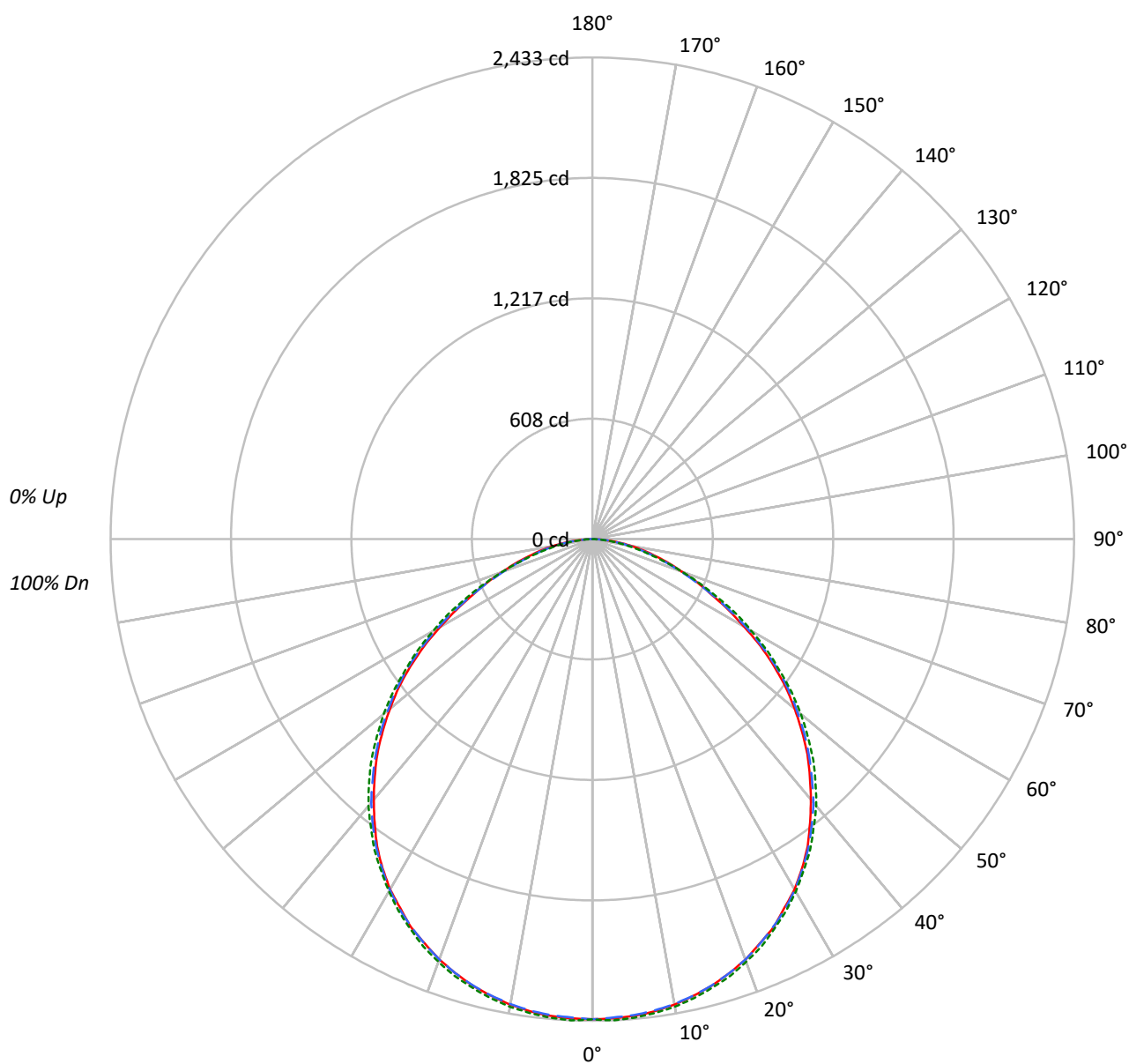
Lumens per Lamp: N/A
Luminaire Lumens: 6392.6 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050247

CATALOG NUMBER: PTR-14-80-PL1-L940-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050247

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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	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6526	6526	6526
5°	6532	6519	6555
10°	6523	6516	6553
15°	6503	6501	6534
20°	6471	6471	6507
25°	6427	6418	6453
30°	6346	6355	6385
35°	6225	6249	6299
40°	6032	6101	6179
45°	5844	5892	6005
50°	5586	5646	5758
55°	5262	5346	5408
60°	4772	4874	4996
65°	4239	4285	4457
70°	3789	3712	3804
75°	3419	3221	3157
80°	3107	2884	2560
85°	2631	2390	2056

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6005 cd/sqm

TEST NUMBER: P1050247

CATALOG NUMBER: PTR-14-80-PL1-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.0	3.6
10°-20°	659.8	10.3
20°-30°	998.0	15.6
30°-40°	1189.6	18.6
40°-50°	1196.2	18.7
50°-60°	1015.2	15.9
60°-70°	676.0	10.6
70°-80°	337.5	5.3
80°-90°	90.3	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°	1887.8	29.5
0°-40°	3077.4	48.1
0°-60°	5288.9	82.7
0°-90°	6392.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6392.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2425	2425	2425	2425	2425	
5°	2418	2419	2413	2424	2427	230
15°	2334	2337	2333	2343	2345	659
25°	2165	2165	2162	2172	2173	995
35°	1895	1897	1902	1916	1918	1182
45°	1536	1538	1548	1569	1578	1181
55°	1122	1129	1140	1150	1153	999
65°	666	671	673	683	700	667
75°	329	324	310	303	304	353
85°	85	84	77	73	67	99
90°	0	0	0	0	0	

TEST NUMBER: P1050247

CATALOG NUMBER: PTR-14-80-PL1-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2425.2	2425.2	2425.2	2425.2	2425.2
2.5°	2423.2	2425.2	2418.6	2430.4	2433.3
5°	2418.0	2418.6	2413.4	2424.2	2426.8
7.5°	2406.2	2407.2	2401.7	2413.4	2415.0
10°	2387.3	2389.3	2384.7	2395.5	2398.1
12.5°	2363.1	2365.7	2361.2	2372.9	2374.9
15°	2334.4	2337.0	2333.4	2343.2	2345.2
17.5°	2299.1	2301.1	2299.1	2308.3	2313.5
20°	2259.6	2259.6	2259.6	2267.8	2272.4
22.5°	2210.3	2214.9	2213.0	2223.7	2228.3
25°	2164.6	2164.6	2161.7	2171.8	2173.4
27.5°	2100.6	2107.8	2107.2	2116.0	2117.9
30°	2042.2	2044.2	2045.1	2051.3	2054.9
32.5°	1971.3	1973.0	1975.9	1984.7	1985.7
35°	1895.0	1896.9	1902.1	1915.5	1917.5
37.5°	1806.1	1815.9	1820.5	1834.9	1836.5
40°	1717.0	1723.2	1736.9	1751.9	1759.1
42.5°	1626.2	1633.4	1641.6	1662.2	1668.7
45°	1535.5	1538.1	1548.2	1568.8	1577.9
47.5°	1434.9	1443.1	1451.9	1469.9	1475.4
50°	1334.4	1343.2	1348.7	1364.7	1375.5
52.5°	1232.8	1241.0	1247.2	1257.0	1267.8
55°	1121.5	1129.3	1139.5	1150.2	1152.8
57.5°	1008.2	1017.0	1023.5	1035.0	1046.7
60°	886.7	896.9	905.7	916.5	928.2
62.5°	773.8	778.0	787.2	805.1	822.1
65°	665.7	671.3	672.9	683.0	700.0
67.5°	575.9	575.9	567.8	571.4	590.3
70°	481.6	478.0	471.8	468.2	483.5
72.5°	405.2	400.6	387.2	381.0	389.2
75°	328.8	324.2	309.8	302.7	303.6
77.5°	264.1	256.9	245.2	232.8	230.2
80°	200.5	197.5	186.1	174.3	165.2
82.5°	142.0	135.8	129.3	122.1	114.9
85°	85.2	83.6	77.4	72.8	66.6
87.5°	34.9	34.9	33.3	31.3	29.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)