

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: P1050436

Luminaire Tested: PTR-14-70-PW1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050436
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-14-70-PW1-L940-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

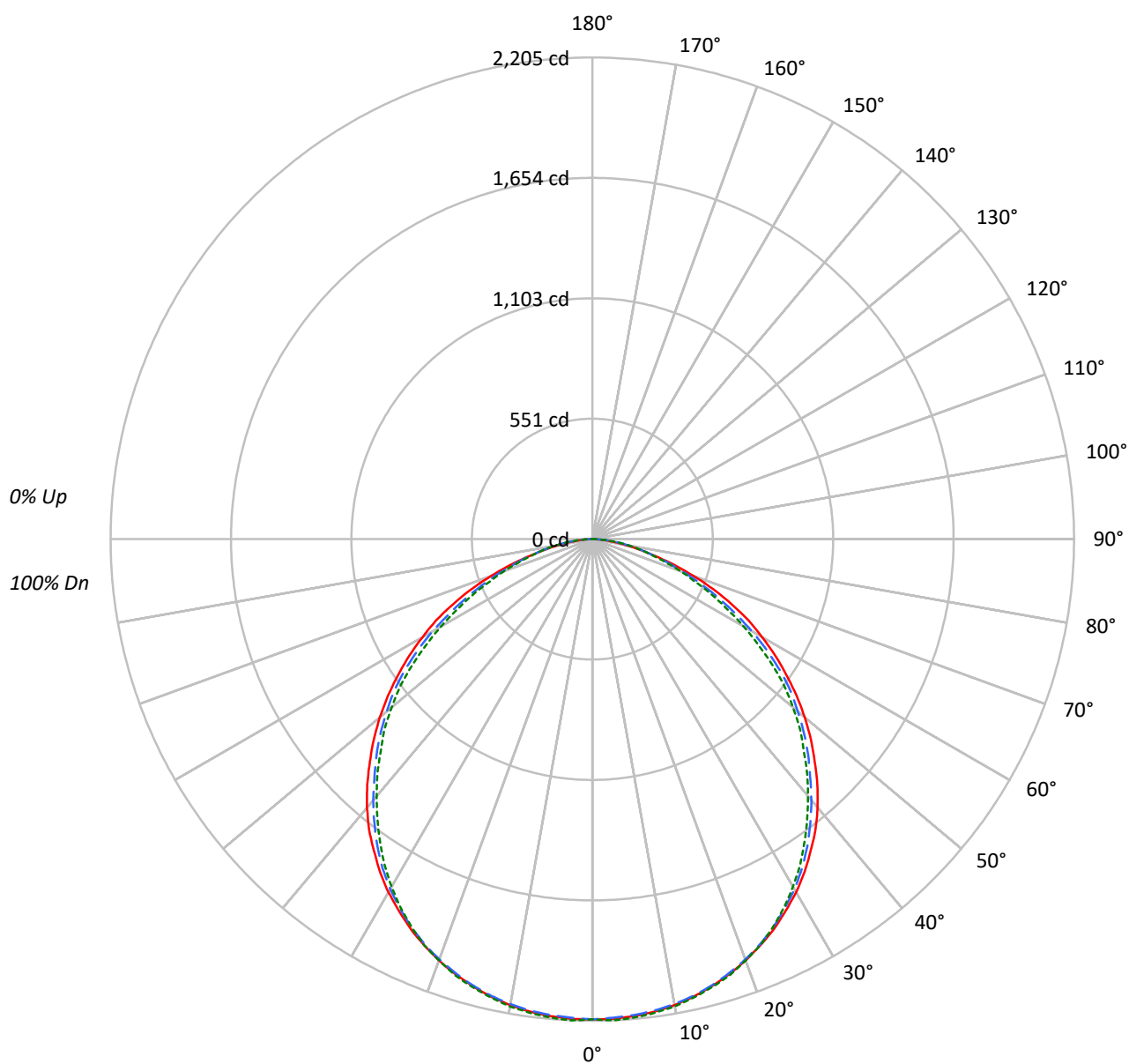
Lumens per Lamp: N/A
Luminaire Lumens: 5834.9 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 63
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°	5917	5917	5917
5°	5922	5909	5939
10°	5919	5906	5935
15°	5901	5892	5914
20°	5877	5863	5877
25°	5845	5820	5815
30°	5800	5749	5709
35°	5722	5636	5564
40°	5634	5480	5394
45°	5479	5316	5208
50°	5313	5140	5021
55°	5092	4920	4723
60°	4828	4542	4305
65°	4465	4057	3855
70°	3871	3531	3398
75°	3090	3022	2939
80°	2349	2624	2624
85°	1735	2238	2238

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5479 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.5	3.6
10°-20°	598.1	10.2
20°-30°	903.9	15.5
30°-40°	1073.3	18.4
40°-50°	1081.3	18.5
50°-60°	934.6	16.0
60°-70°	638.8	10.9
70°-80°	315.0	5.4
80°-90°	81.5	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°	1710.5	29.3
0°-40°	2783.7	47.7
0°-60°	4799.6	82.3
0°-90°	5834.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5834.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2199	2199	2199	2199	2199	
5°	2192	2193	2187	2196	2199	208
15°	2118	2120	2115	2122	2123	598
25°	1968	1967	1960	1962	1959	907
35°	1742	1736	1716	1700	1694	1090
45°	1440	1424	1397	1381	1369	1111
55°	1085	1082	1049	1018	1007	970
65°	701	676	637	609	605	692
75°	297	295	291	291	283	324
85°	56	66	72	74	72	69
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2198.7	2198.7	2198.7	2198.7	2198.7
2.5°	2198.1	2198.7	2193.1	2202.8	2205.2
5°	2192.2	2193.1	2187.4	2196.3	2198.7
7.5°	2181.8	2183.3	2176.8	2185.7	2187.4
10°	2166.1	2167.0	2161.4	2170.3	2172.0
12.5°	2145.1	2145.7	2141.0	2148.9	2148.9
15°	2118.2	2120.5	2114.9	2122.3	2122.9
17.5°	2088.0	2088.9	2083.2	2091.2	2093.0
20°	2052.1	2052.1	2047.4	2053.9	2052.1
22.5°	2012.2	2012.2	2006.6	2009.8	2011.3
25°	1968.4	1966.6	1960.1	1961.8	1958.6
27.5°	1917.7	1917.7	1906.2	1906.2	1900.6
30°	1866.5	1862.4	1850.2	1842.8	1837.2
32.5°	1807.6	1802.0	1786.6	1773.6	1769.4
35°	1741.9	1736.0	1715.5	1700.2	1693.6
37.5°	1678.2	1665.2	1638.3	1622.9	1615.5
40°	1603.9	1587.7	1560.1	1538.8	1535.6
42.5°	1524.3	1511.3	1475.5	1459.8	1455.9
45°	1439.6	1423.9	1397.0	1380.7	1368.6
47.5°	1356.5	1344.9	1314.1	1294.6	1290.4
50°	1269.1	1259.3	1227.7	1206.7	1199.3
52.5°	1178.8	1172.3	1145.4	1118.4	1109.6
55°	1085.3	1082.0	1048.6	1017.5	1006.8
57.5°	993.2	989.1	947.3	911.5	901.7
60°	897.0	884.9	844.0	810.6	799.9
62.5°	805.8	779.8	735.7	709.6	697.5
65°	701.3	676.2	637.1	609.2	605.4
67.5°	598.9	568.7	538.5	521.3	508.3
70°	492.0	471.6	448.8	434.3	431.9
72.5°	392.5	378.0	366.5	357.6	350.2
75°	297.2	294.9	290.7	290.7	282.7
77.5°	218.5	224.1	227.4	226.5	228.2
80°	151.6	162.8	169.3	170.2	169.3
82.5°	96.2	109.2	119.9	121.4	123.2
85°	56.2	66.0	72.5	74.0	72.5
87.5°	25.2	31.7	33.5	34.9	33.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)