

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: P1050460

Luminaire Tested: PTR-14-60-PW1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050460
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-14-60-PW1-L840-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

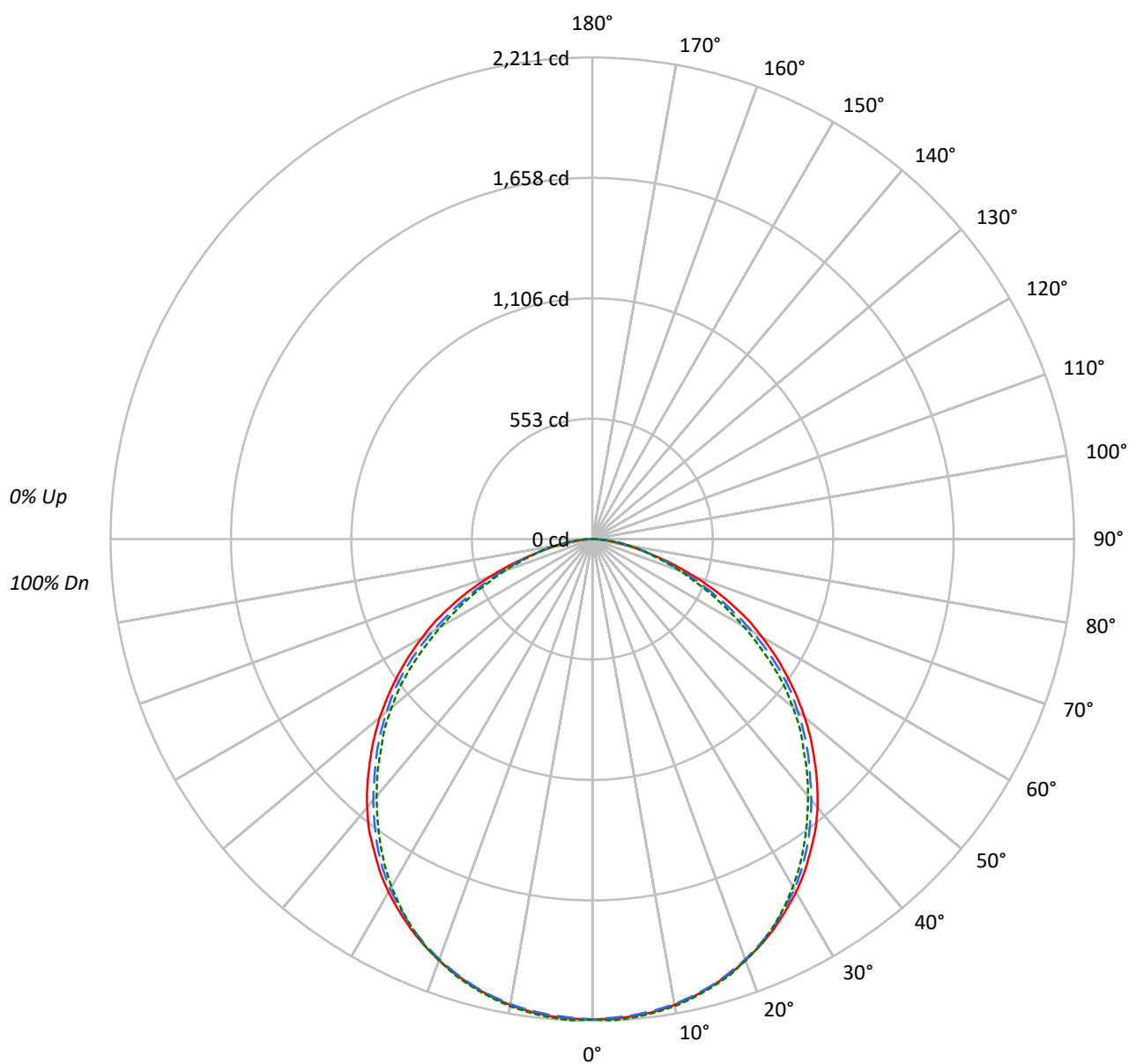
Lumens per Lamp: N/A
Luminaire Lumens: 5849.7 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1050460

CATALOG NUMBER: PTR-14-60-PW1-L840-UNV-STD-W

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	100		
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5932	5932	5932
5°	5937	5924	5954
10°	5934	5921	5950
15°	5916	5907	5929
20°	5892	5878	5892
25°	5859	5835	5830
30°	5815	5764	5723
35°	5737	5650	5578
40°	5649	5494	5408
45°	5493	5330	5222
50°	5327	5153	5033
55°	5104	4932	4736
60°	4840	4554	4316
65°	4477	4067	3864
70°	3881	3540	3407
75°	3098	3031	2947
80°	2356	2631	2631
85°	1741	2245	2245

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5493 cd/sqm

TEST NUMBER: P1050460

CATALOG NUMBER: PTR-14-60-PW1-L840-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.0	3.6
10°-20°	599.6	10.2
20°-30°	906.2	15.5
30°-40°	1076.0	18.4
40°-50°	1084.0	18.5
50°-60°	937.0	16.0
60°-70°	640.4	10.9
70°-80°	315.8	5.4
80°-90°	81.7	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°	1714.8	29.3
0°-40°	2790.8	47.7
0°-60°	4811.9	82.3
0°-90°	5849.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5849.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2204	2204	2204	2204	2204	
5°	2198	2199	2193	2202	2204	209
15°	2124	2126	2120	2128	2128	599
25°	1973	1972	1965	1967	1964	909
35°	1746	1740	1720	1704	1698	1093
45°	1443	1428	1401	1384	1372	1114
55°	1088	1085	1051	1020	1009	973
65°	703	678	639	611	607	694
75°	298	296	292	292	283	325
85°	56	66	73	74	73	69
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2204.3	2204.3	2204.3	2204.3	2204.3
2.5°	2203.7	2204.3	2198.6	2208.4	2210.8
5°	2197.8	2198.6	2193.0	2201.9	2204.3
7.5°	2187.4	2188.8	2182.3	2191.2	2193.0
10°	2171.6	2172.5	2166.9	2175.8	2177.6
12.5°	2150.6	2151.2	2146.4	2154.4	2154.4
15°	2123.6	2125.9	2120.3	2127.7	2128.3
17.5°	2093.3	2094.2	2088.5	2096.5	2098.3
20°	2057.4	2057.4	2052.6	2059.1	2057.4
22.5°	2017.3	2017.3	2011.7	2014.9	2016.4
25°	1973.4	1971.6	1965.1	1966.8	1963.6
27.5°	1922.6	1922.6	1911.0	1911.0	1905.4
30°	1871.3	1867.1	1855.0	1847.5	1841.9
32.5°	1812.2	1806.6	1791.1	1778.1	1773.9
35°	1746.3	1740.4	1719.9	1704.5	1698.0
37.5°	1682.5	1669.5	1642.5	1627.0	1619.6
40°	1608.0	1591.7	1564.1	1542.7	1539.5
42.5°	1528.2	1515.1	1479.2	1463.5	1459.6
45°	1443.3	1427.6	1400.6	1384.2	1372.1
47.5°	1359.9	1348.3	1317.5	1297.9	1293.7
50°	1272.4	1262.6	1230.8	1209.7	1202.3
52.5°	1181.8	1175.3	1148.3	1121.3	1112.4
55°	1088.0	1084.8	1051.2	1020.1	1009.4
57.5°	995.7	991.6	949.7	913.8	904.0
60°	899.3	887.1	846.2	812.6	801.9
62.5°	807.9	781.8	737.5	711.4	699.2
65°	703.1	677.9	638.7	610.8	606.9
67.5°	600.4	570.1	539.9	522.7	509.6
70°	493.3	472.8	449.9	435.4	433.0
72.5°	393.5	379.0	367.4	358.5	351.1
75°	298.0	295.6	291.5	291.5	283.4
77.5°	219.0	224.7	227.9	227.0	228.8
80°	152.0	163.2	169.8	170.7	169.8
82.5°	96.5	109.5	120.2	121.7	123.5
85°	56.4	66.2	72.7	74.2	72.7
87.5°	25.2	31.8	33.5	35.0	33.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)