

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: P1050215

Luminaire Tested: PTR-14-60-PC3-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050215
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-60-PC3-L840-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

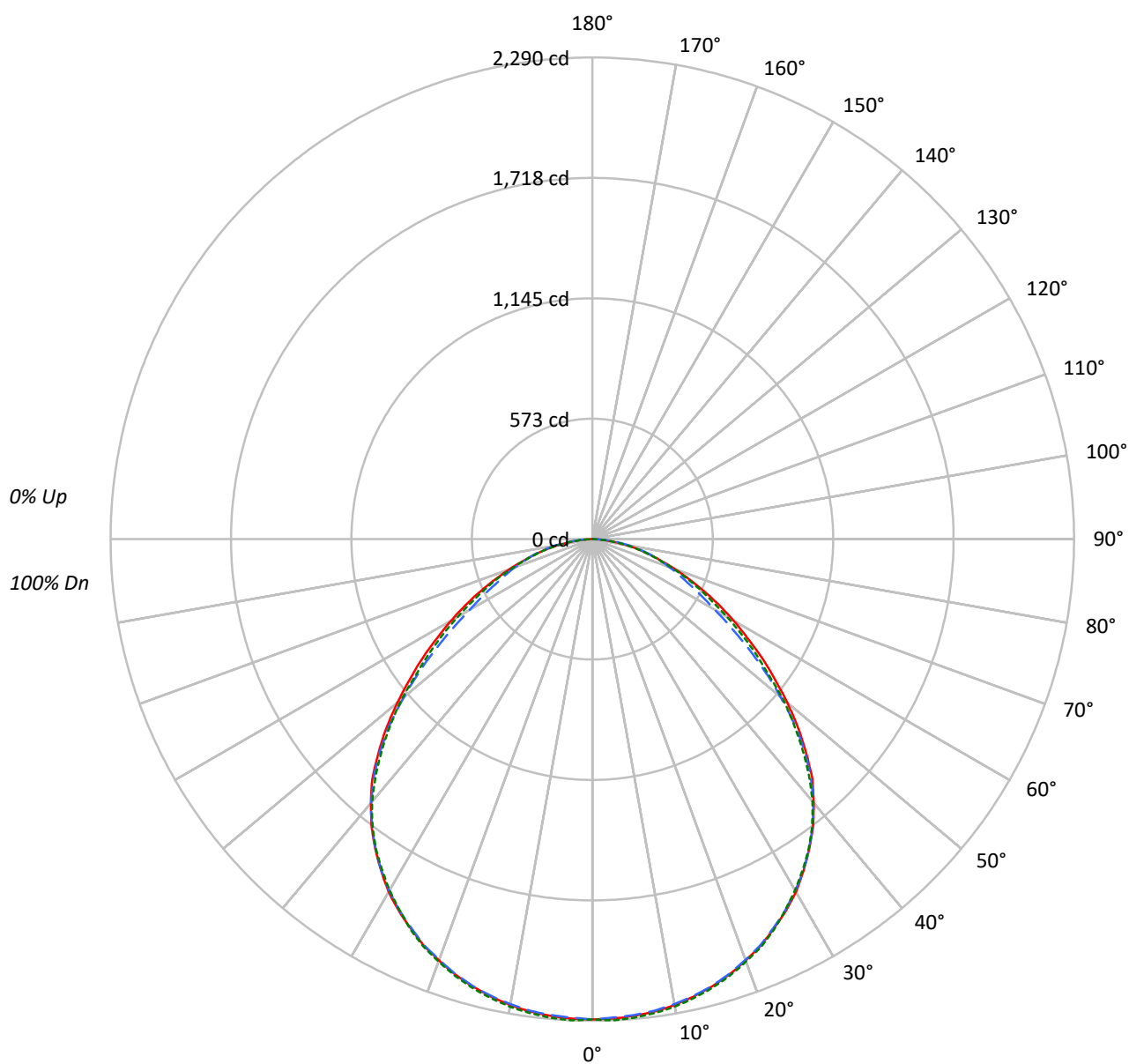
Lumens per Lamp: N/A
Luminaire Lumens: 5756.8 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1050215

CATALOG NUMBER: PTR-14-60-PC3-L840-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050215

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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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	87	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	72
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6145	6145	6145
5°	6146	6135	6170
10°	6146	6135	6168
15°	6132	6125	6152
20°	6104	6094	6121
25°	6063	6053	6077
30°	6017	5997	5987
35°	5908	5903	5892
40°	5752	5743	5717
45°	5470	5429	5374
50°	5063	4894	4948
55°	4621	4246	4437
60°	4167	3622	3973
65°	3724	3240	3573
70°	3304	3065	3212
75°	2922	2972	2863
80°	2520	2837	2506
85°	1886	2245	1886

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 5483 cd/sqm

TEST NUMBER: P1050215

CATALOG NUMBER: PTR-14-60-PC3-L840-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.6	3.8
10°-20°	621.6	10.8
20°-30°	941.2	16.3
30°-40°	1122.1	19.5
40°-50°	1096.4	19.0
50°-60°	838.4	14.6
60°-70°	538.3	9.4
70°-80°	299.5	5.2
80°-90°	82.7	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°	1779.4	30.9
0°-40°	2901.5	50.4
0°-60°	4836.4	84.0
0°-90°	5756.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5756.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2283	2283	2283	2283	2283	
5°	2275	2277	2271	2282	2284	216
15°	2201	2203	2199	2206	2208	621
25°	2042	2044	2039	2045	2047	942
35°	1798	1800	1797	1796	1794	1124
45°	1437	1441	1427	1424	1412	1106
55°	985	951	905	916	946	880
65°	585	540	509	526	561	583
75°	281	283	286	282	275	300
85°	61	72	73	70	61	75
90°	0	0	0	0	0	

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CATALOG NUMBER: PTR-14-60-PC3-L840-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2283.4	2283.4	2283.4	2283.4	2283.4
2.5°	2281.9	2282.8	2276.9	2286.7	2289.9
5°	2275.4	2276.9	2271.3	2281.9	2284.3
7.5°	2265.6	2267.1	2261.5	2272.1	2273.0
10°	2249.3	2250.2	2245.1	2255.8	2257.3
12.5°	2227.3	2229.7	2224.1	2233.9	2234.5
15°	2200.9	2202.7	2198.6	2206.0	2208.3
17.5°	2170.1	2171.0	2166.8	2174.8	2175.7
20°	2131.5	2131.5	2128.2	2137.4	2137.4
22.5°	2092.3	2089.9	2089.1	2092.3	2097.4
25°	2041.9	2044.2	2038.6	2045.1	2046.6
27.5°	1992.9	1992.9	1987.9	1991.1	1987.0
30°	1936.5	1933.3	1930.0	1930.6	1926.7
32.5°	1868.6	1868.6	1867.1	1867.1	1862.0
35°	1798.5	1800.0	1796.8	1795.9	1793.5
37.5°	1723.2	1725.8	1719.9	1718.4	1716.6
40°	1637.4	1637.4	1635.0	1631.8	1627.6
42.5°	1548.4	1548.4	1538.0	1529.7	1524.1
45°	1437.4	1440.7	1426.7	1423.5	1412.2
47.5°	1327.0	1324.7	1306.0	1303.6	1297.1
50°	1209.5	1195.6	1168.9	1176.0	1181.9
52.5°	1092.0	1074.8	1035.6	1043.6	1053.4
55°	984.9	950.8	905.1	916.3	945.7
57.5°	873.0	827.3	781.6	803.0	839.5
60°	774.2	722.9	673.0	695.9	738.3
62.5°	679.5	624.9	584.9	606.8	642.7
65°	584.9	539.8	508.9	525.8	561.1
67.5°	498.2	468.0	446.9	454.9	483.4
70°	419.9	400.9	389.6	392.0	408.3
72.5°	345.4	340.7	336.5	336.5	338.0
75°	281.0	283.4	285.8	281.9	275.4
77.5°	221.4	229.4	235.3	227.0	219.0
80°	162.6	175.7	183.1	173.9	161.7
82.5°	111.0	125.8	128.2	122.6	108.6
85°	61.1	71.8	72.7	70.3	61.1
87.5°	22.8	27.0	29.4	27.0	23.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)