

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: P1050166

Luminaire Tested: PTR-14-60-PB1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050166
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-60-PB1-L840-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

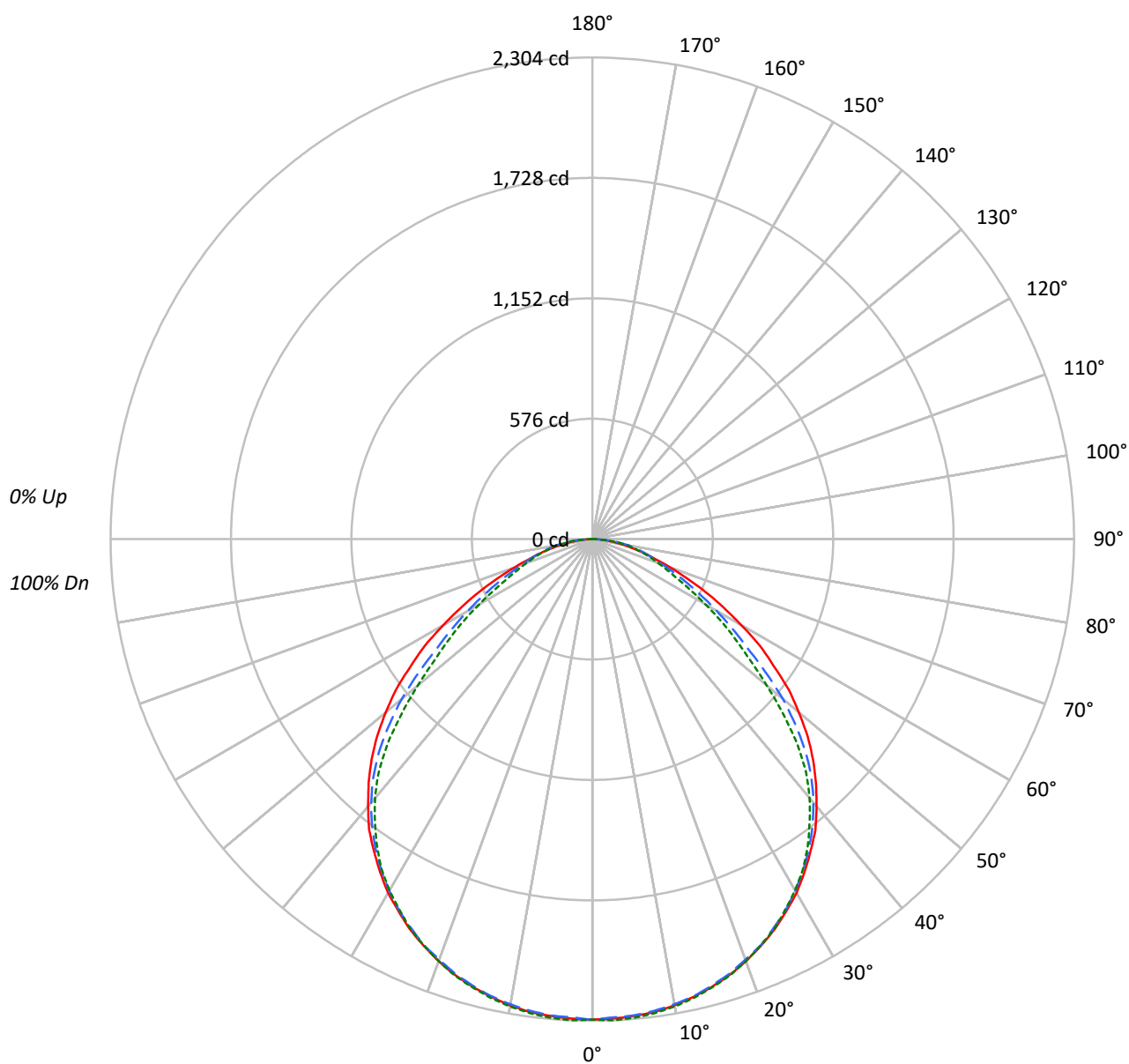
Lumens per Lamp: N/A
Luminaire Lumens: 5731.1 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1050166

CATALOG NUMBER: PTR-14-60-PB1-L840-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050166

CATALOG NUMBER: PTR-14-60-PB1-L840-UNV-STD-W

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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6185	6185	6185
5°	6185	6178	6209
10°	6188	6172	6203
15°	6175	6159	6182
20°	6153	6129	6153
25°	6119	6094	6111
30°	6070	6035	6026
35°	5980	5935	5898
40°	5859	5780	5680
45°	5680	5497	5271
50°	5398	4982	4556
55°	4974	4232	3925
60°	4428	3698	3362
65°	3799	3205	2863
70°	3136	2825	2625
75°	2645	2703	2558
80°	2235	2760	2631
85°	1751	2794	2445

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5680 cd/sqm

TEST NUMBER: P1050166

CATALOG NUMBER: PTR-14-60-PB1-L840-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.9	3.8
10°-20°	625.3	10.9
20°-30°	947.2	16.5
30°-40°	1128.7	19.7
40°-50°	1103.7	19.3
50°-60°	834.8	14.6
60°-70°	512.9	8.9
70°-80°	273.3	4.8
80°-90°	87.2	1.5
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°	1790.5	31.2
0°-40°	2919.2	50.9
0°-60°	4857.7	84.8
0°-90°	5731.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5731.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2298	2298	2298	2298	2298	
5°	2290	2293	2287	2296	2298	218
15°	2216	2219	2211	2219	2219	626
25°	2061	2058	2052	2055	2058	949
35°	1820	1818	1807	1798	1795	1139
45°	1493	1484	1444	1396	1385	1148
55°	1060	1006	902	851	837	949
65°	597	548	503	464	450	594
75°	254	257	260	252	246	273
85°	57	74	90	85	79	68
90°	0	0	0	0	0	

TEST NUMBER: P1050166

CATALOG NUMBER: PTR-14-60-PB1-L840-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2298.4	2298.4	2298.4	2298.4	2298.4
2.5°	2295.7	2298.4	2289.8	2301.3	2304.0
5°	2289.8	2292.7	2287.1	2295.7	2298.4
7.5°	2281.4	2281.4	2275.8	2284.1	2287.1
10°	2264.5	2264.5	2258.9	2267.2	2270.2
12.5°	2242.0	2242.0	2239.0	2244.6	2247.6
15°	2216.4	2219.1	2210.8	2219.1	2219.1
17.5°	2185.3	2182.6	2179.6	2185.3	2188.3
20°	2148.5	2148.5	2140.2	2145.8	2148.5
22.5°	2106.0	2106.0	2103.4	2106.0	2103.4
25°	2060.9	2058.0	2052.3	2055.3	2058.0
27.5°	2007.2	2007.2	2001.6	2001.6	1998.6
30°	1953.5	1950.5	1942.2	1936.6	1939.2
32.5°	1888.5	1885.5	1877.2	1871.6	1874.2
35°	1820.5	1817.9	1806.6	1798.0	1795.3
37.5°	1752.9	1744.3	1730.0	1718.7	1707.4
40°	1668.0	1659.4	1645.4	1619.9	1616.9
42.5°	1583.1	1574.8	1551.9	1521.1	1512.5
45°	1492.6	1484.3	1444.5	1396.4	1385.1
47.5°	1396.4	1382.5	1320.1	1260.8	1238.2
50°	1289.3	1263.7	1190.1	1113.9	1088.3
52.5°	1184.5	1139.4	1043.2	975.3	950.0
55°	1060.1	1006.4	902.0	850.9	836.7
57.5°	950.0	876.4	791.5	740.8	729.5
60°	822.7	754.7	687.1	641.7	624.7
62.5°	706.7	647.3	590.9	551.1	531.6
65°	596.6	548.5	503.4	463.6	449.6
67.5°	489.1	463.6	426.8	395.9	387.3
70°	398.6	384.3	359.1	344.9	333.6
72.5°	316.7	322.3	305.4	299.8	291.2
75°	254.4	257.3	260.0	251.7	246.0
77.5°	192.3	206.3	217.5	211.9	206.3
80°	144.2	158.2	178.1	169.8	169.8
82.5°	98.8	116.0	133.0	127.3	124.4
85°	56.7	73.6	90.5	84.9	79.2
87.5°	22.6	36.8	39.5	39.5	36.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)