

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: P1050410

Luminaire Tested: PTR-14-60-PR1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050410
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-60-PR1-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

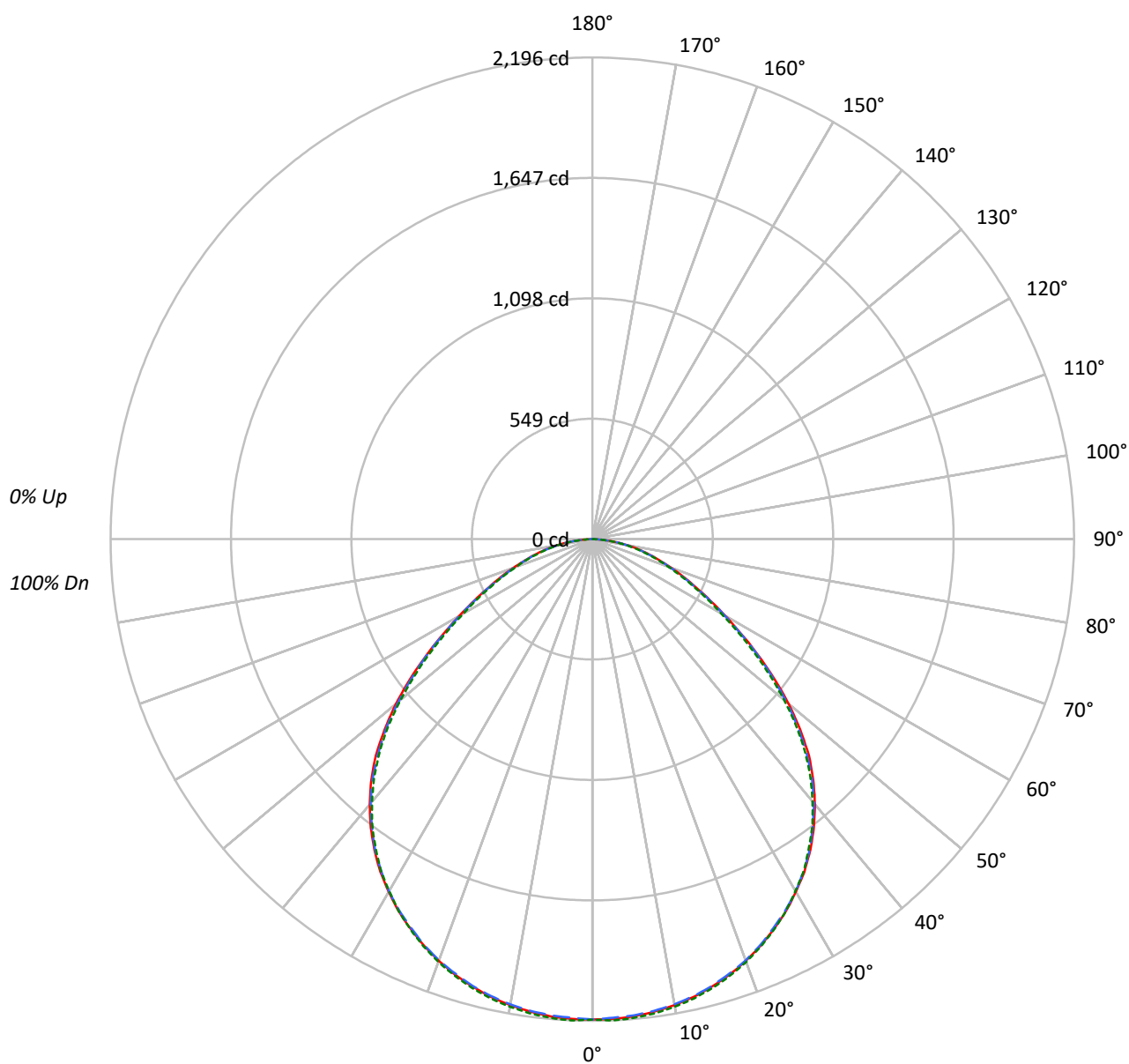
Lumens per Lamp: N/A
Luminaire Lumens: 5538.9 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1050410

CATALOG NUMBER: PTR-14-60-PR1-L835-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050410

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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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5894	5894	5894
5°	5899	5886	5918
10°	5894	5884	5916
15°	5883	5874	5902
20°	5859	5851	5874
25°	5820	5806	5827
30°	5769	5762	5754
35°	5689	5676	5653
40°	5546	5524	5485
45°	5314	5254	5216
50°	4890	4834	4775
55°	4328	4309	4224
60°	3761	3747	3646
65°	3314	3294	3229
70°	3007	2965	2904
75°	2784	2719	2669
80°	2541	2506	2422
85°	2007	1991	1911

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5314 cd/sqm

TEST NUMBER: P1050410

CATALOG NUMBER: PTR-14-60-PR1-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.7	3.8
10°-20°	596.3	10.8
20°-30°	903.4	16.3
30°-40°	1078.4	19.5
40°-50°	1060.6	19.1
50°-60°	819.7	14.8
60°-70°	516.9	9.3
70°-80°	279.6	5.0
80°-90°	76.4	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°	1707.4	30.8
0°-40°	2785.8	50.3
0°-60°	4666.1	84.2
0°-90°	5538.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5538.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2190	2190	2190	2190	2190	
5°	2184	2185	2179	2188	2191	208
15°	2112	2112	2109	2115	2119	596
25°	1960	1962	1955	1962	1963	903
35°	1732	1732	1728	1726	1721	1081
45°	1396	1391	1381	1370	1371	1069
55°	922	930	918	904	900	828
65°	520	521	517	508	507	524
75°	268	265	262	263	257	285
85°	65	66	64	65	62	77
90°	0	0	0	0	0	

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CATALOG NUMBER: PTR-14-60-PR1-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2190.2	2190.2	2190.2	2190.2	2190.2
2.5°	2189.3	2190.2	2183.9	2194.2	2196.5
5°	2183.9	2184.8	2179.1	2188.5	2191.0
7.5°	2172.8	2174.5	2169.1	2178.5	2180.8
10°	2157.1	2158.8	2153.4	2162.8	2165.1
12.5°	2137.7	2138.3	2133.7	2142.3	2144.5
15°	2111.7	2112.3	2108.6	2115.4	2118.6
17.5°	2081.8	2082.6	2077.2	2085.8	2087.2
20°	2045.9	2046.4	2043.3	2050.4	2051.3
22.5°	2005.6	2007.4	2002.5	2008.8	2009.6
25°	1960.3	1961.7	1955.4	1961.7	1962.6
27.5°	1912.4	1912.9	1907.5	1912.4	1911.5
30°	1856.5	1861.3	1854.2	1852.5	1851.9
32.5°	1798.6	1799.1	1792.3	1790.6	1793.7
35°	1731.8	1732.4	1727.8	1725.6	1720.7
37.5°	1658.8	1658.8	1650.0	1648.6	1647.7
40°	1578.7	1577.8	1572.4	1567.0	1561.3
42.5°	1491.4	1493.1	1482.0	1472.6	1471.1
45°	1396.4	1391.0	1380.7	1369.9	1370.7
47.5°	1284.3	1285.8	1271.8	1262.9	1260.7
50°	1168.0	1168.0	1154.8	1145.4	1140.6
52.5°	1046.5	1047.3	1034.8	1022.2	1019.6
55°	922.4	930.1	918.4	903.6	900.4
57.5°	806.3	812.6	801.5	785.8	784.9
60°	698.8	699.4	696.2	681.4	677.4
62.5°	606.9	602.9	601.2	593.5	588.7
65°	520.5	521.4	517.4	508.5	507.1
67.5°	450.6	449.8	442.7	437.2	434.1
70°	382.2	379.9	376.8	372.2	369.1
72.5°	321.2	321.2	318.6	317.2	311.7
75°	267.8	264.7	261.5	263.0	256.7
77.5°	216.8	213.6	211.1	207.9	206.5
80°	164.0	160.9	161.7	156.9	156.3
82.5°	113.8	113.8	112.4	108.4	109.2
85°	65.0	65.9	64.5	65.0	61.9
87.5°	23.7	24.2	26.0	24.2	24.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)