

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: P1050218

Luminaire Tested: PTR-14-60-PC3-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050218
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-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

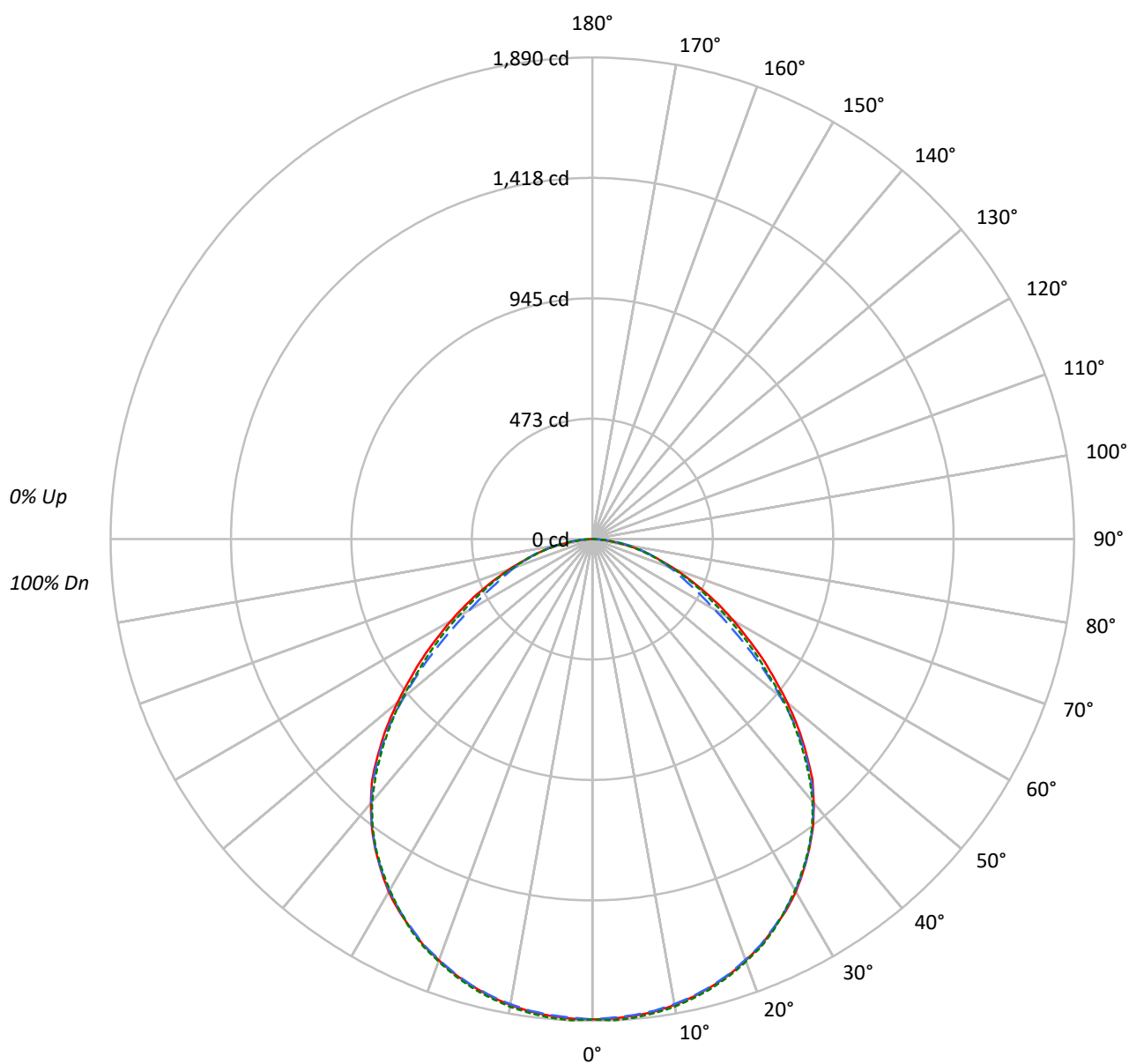
Lumens per Lamp: N/A
Luminaire Lumens: 4750.7 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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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	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5071	5071	5071
5°	5072	5063	5092
10°	5072	5063	5090
15°	5060	5054	5077
20°	5037	5029	5051
25°	5003	4995	5015
30°	4966	4949	4941
35°	4876	4871	4862
40°	4747	4740	4718
45°	4514	4481	4435
50°	4178	4038	4083
55°	3813	3504	3661
60°	3439	2989	3279
65°	3074	2674	2949
70°	2726	2530	2651
75°	2411	2452	2363
80°	2080	2342	2069
85°	1556	1853	1556

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 4525 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.7	3.8
10°-20°	513.0	10.8
20°-30°	776.7	16.3
30°-40°	926.0	19.5
40°-50°	904.8	19.0
50°-60°	691.9	14.6
60°-70°	444.2	9.4
70°-80°	247.1	5.2
80°-90°	68.3	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°	1468.4	30.9
0°-40°	2394.5	50.4
0°-60°	3991.2	84.0
0°-90°	4750.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4750.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1884	1884	1884	1884	1884	
5°	1878	1879	1874	1883	1885	179
15°	1816	1818	1814	1820	1822	513
25°	1685	1687	1682	1688	1689	777
35°	1484	1486	1483	1482	1480	927
45°	1186	1189	1177	1175	1165	913
55°	813	785	747	756	780	727
65°	483	445	420	434	463	481
75°	232	234	236	233	227	248
85°	50	59	60	58	50	62
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1884.4	1884.4	1884.4	1884.4	1884.4
2.5°	1883.2	1883.9	1879.0	1887.1	1889.8
5°	1877.8	1879.0	1874.3	1883.2	1885.1
7.5°	1869.7	1870.9	1866.3	1875.1	1875.8
10°	1856.2	1856.9	1852.8	1861.6	1862.8
12.5°	1838.1	1840.1	1835.4	1843.5	1844.0
15°	1816.3	1817.8	1814.3	1820.5	1822.4
17.5°	1790.8	1791.6	1788.1	1794.7	1795.5
20°	1759.0	1759.0	1756.3	1763.9	1763.9
22.5°	1726.7	1724.7	1724.0	1726.7	1730.8
25°	1685.0	1687.0	1682.3	1687.7	1689.0
27.5°	1644.6	1644.6	1640.5	1643.2	1639.7
30°	1598.1	1595.4	1592.7	1593.2	1590.0
32.5°	1542.0	1542.0	1540.8	1540.8	1536.6
35°	1484.2	1485.5	1482.8	1482.0	1480.1
37.5°	1422.0	1424.2	1419.3	1418.1	1416.6
40°	1351.3	1351.3	1349.3	1346.6	1343.2
42.5°	1277.8	1277.8	1269.2	1262.4	1257.7
45°	1186.2	1188.9	1177.4	1174.7	1165.4
47.5°	1095.1	1093.2	1077.7	1075.8	1070.4
50°	998.1	986.6	964.6	970.5	975.4
52.5°	901.2	887.0	854.6	861.3	869.3
55°	812.8	784.6	746.9	756.2	780.4
57.5°	720.4	682.7	645.0	662.7	692.8
60°	638.9	596.5	555.4	574.3	609.3
62.5°	560.8	515.7	482.7	500.8	530.4
65°	482.7	445.4	420.0	433.9	463.1
67.5°	411.2	386.2	368.8	375.4	398.9
70°	346.5	330.8	321.5	323.5	337.0
72.5°	285.0	281.1	277.7	277.7	278.9
75°	231.9	233.9	235.8	232.6	227.3
77.5°	182.7	189.3	194.2	187.3	180.7
80°	134.2	145.0	151.1	143.5	133.5
82.5°	91.6	103.8	105.8	101.1	89.6
85°	50.4	59.3	60.0	58.0	50.4
87.5°	18.9	22.3	24.2	22.3	19.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)