

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: P1050433

Luminaire Tested: PTR-14-70-PW1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050433
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-14-70-PW1-L935-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

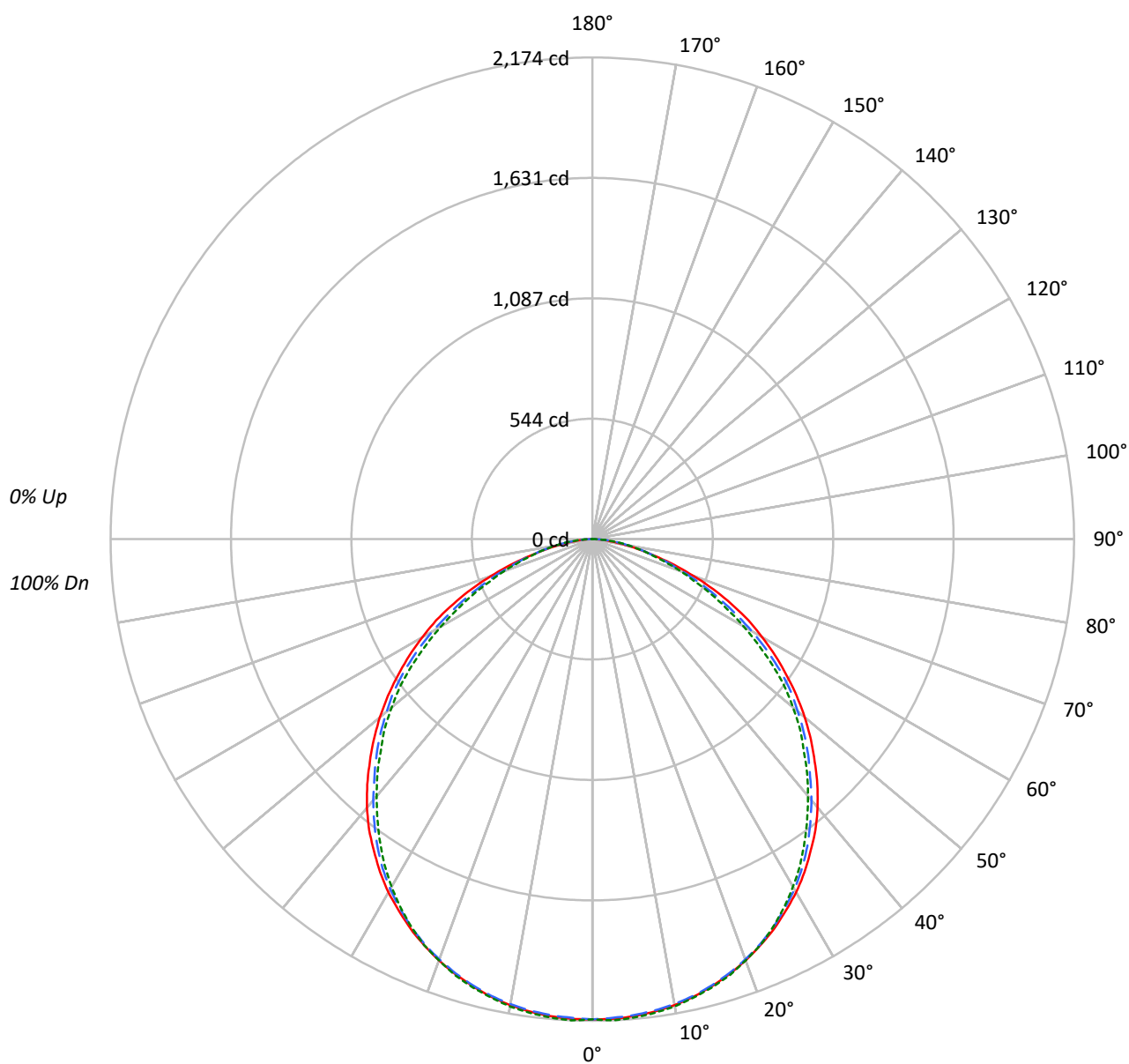
Lumens per Lamp: N/A
Luminaire Lumens: 5753.3 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 63
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	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5834	5834	5834
5°	5839	5826	5856
10°	5836	5823	5852
15°	5818	5809	5831
20°	5794	5781	5794
25°	5763	5739	5734
30°	5719	5669	5629
35°	5642	5557	5486
40°	5556	5404	5319
45°	5402	5242	5135
50°	5239	5068	4950
55°	5020	4851	4657
60°	4760	4479	4245
65°	4403	4000	3801
70°	3817	3482	3351
75°	3047	2980	2899
80°	2317	2588	2588
85°	1714	2208	2208

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5402 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.6	3.6
10°-20°	589.7	10.2
20°-30°	891.2	15.5
30°-40°	1058.3	18.4
40°-50°	1066.2	18.5
50°-60°	921.6	16.0
60°-70°	629.9	10.9
70°-80°	310.6	5.4
80°-90°	80.3	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°	1686.5	29.3
0°-40°	2744.8	47.7
0°-60°	4732.5	82.3
0°-90°	5753.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5753.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2168	2168	2168	2168	2168	
5°	2162	2162	2157	2166	2168	206
15°	2088	2091	2085	2093	2093	590
25°	1941	1939	1933	1934	1931	894
35°	1718	1712	1692	1676	1670	1075
45°	1420	1404	1378	1361	1349	1096
55°	1070	1067	1034	1003	993	957
65°	692	667	628	601	597	683
75°	293	291	287	287	279	319
85°	56	65	72	73	72	68
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2167.9	2167.9	2167.9	2167.9	2167.9
2.5°	2167.3	2167.9	2162.4	2172.0	2174.4
5°	2161.5	2162.4	2156.8	2165.6	2167.9
7.5°	2151.3	2152.8	2146.3	2155.1	2156.8
10°	2135.8	2136.7	2131.2	2139.9	2141.7
12.5°	2115.1	2115.7	2111.0	2118.9	2118.9
15°	2088.5	2090.9	2085.3	2092.6	2093.2
17.5°	2058.8	2059.6	2054.1	2062.0	2063.7
20°	2023.4	2023.4	2018.8	2025.2	2023.4
22.5°	1984.0	1984.0	1978.5	1981.7	1983.2
25°	1940.8	1939.1	1932.7	1934.4	1931.2
27.5°	1890.9	1890.9	1879.5	1879.5	1874.0
30°	1840.4	1836.3	1824.4	1817.1	1811.5
32.5°	1782.3	1776.8	1761.6	1748.8	1744.7
35°	1717.5	1711.7	1691.6	1676.4	1670.0
37.5°	1654.8	1641.9	1615.4	1600.2	1592.9
40°	1581.5	1565.5	1538.3	1517.3	1514.1
42.5°	1503.0	1490.1	1454.8	1439.4	1435.6
45°	1419.5	1404.0	1377.5	1361.4	1349.4
47.5°	1337.5	1326.1	1295.7	1276.5	1272.4
50°	1251.4	1241.7	1210.5	1189.8	1182.5
52.5°	1162.3	1155.9	1129.4	1102.8	1094.0
55°	1070.1	1066.9	1033.9	1003.3	992.7
57.5°	979.3	975.2	934.1	898.8	889.1
60°	884.5	872.5	832.2	799.2	788.7
62.5°	794.5	768.9	725.4	699.7	687.7
65°	691.5	666.7	628.2	600.7	596.9
67.5°	590.5	560.7	531.0	514.0	501.2
70°	485.1	465.0	442.5	428.2	425.9
72.5°	387.1	372.8	361.4	352.6	345.3
75°	293.1	290.7	286.6	286.6	278.8
77.5°	215.4	221.0	224.2	223.3	225.1
80°	149.5	160.5	167.0	167.8	167.0
82.5°	94.9	107.7	118.2	119.7	121.4
85°	55.5	65.1	71.5	73.0	71.5
87.5°	24.8	31.2	33.0	34.4	33.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)