

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: P1050356

Luminaire Tested: PTR-14-50-PP3-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050356
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-50-PP3-L850-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

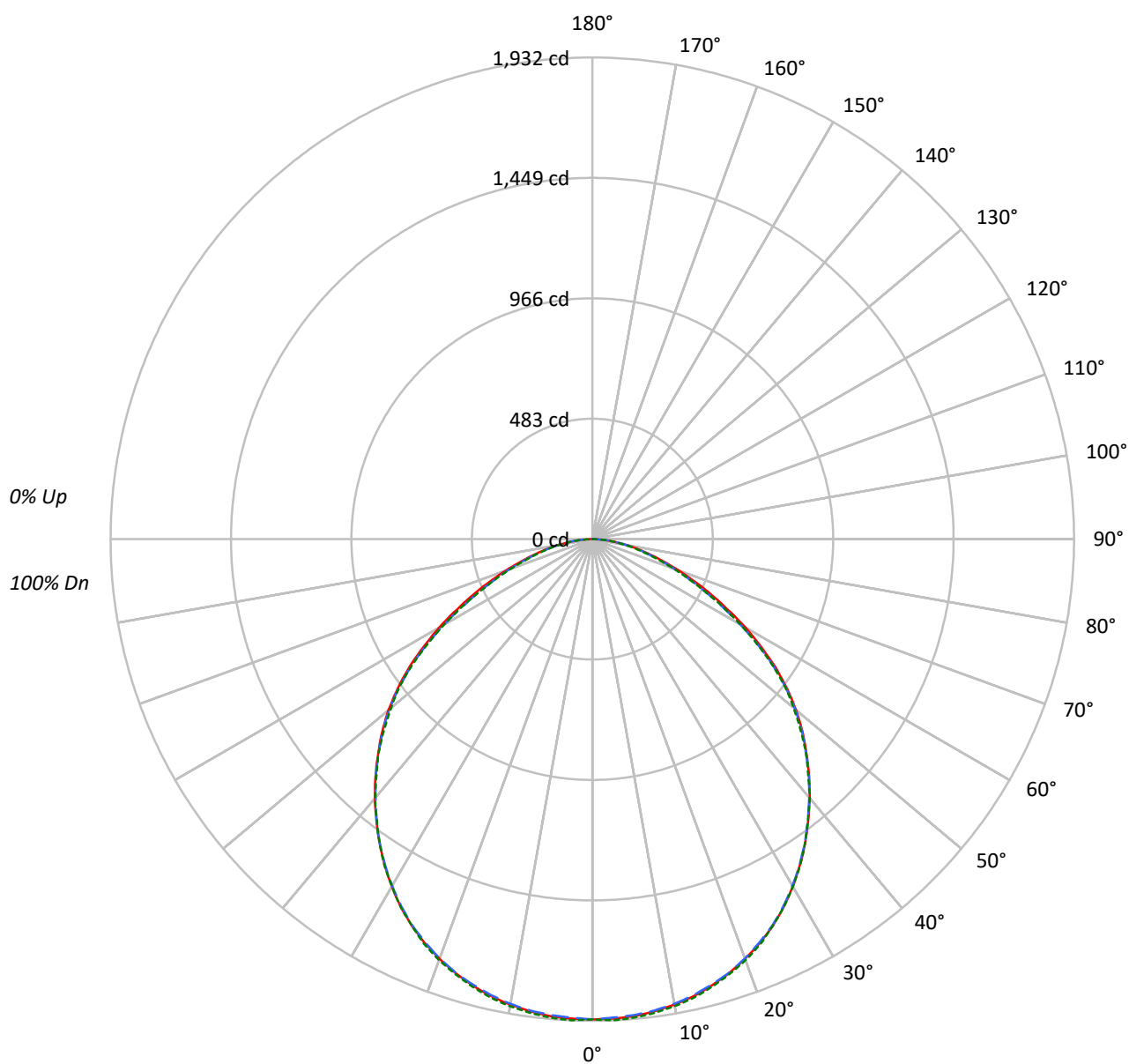
Lumens per Lamp: N/A
Luminaire Lumens: 4976.5 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 40.9
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5183	5183	5183
5°	5188	5176	5204
10°	5180	5173	5198
15°	5163	5154	5177
20°	5129	5125	5147
25°	5084	5075	5081
30°	4998	4988	4998
35°	4890	4883	4887
40°	4764	4749	4762
45°	4621	4607	4613
50°	4466	4446	4413
55°	4205	4156	4143
60°	3816	3687	3694
65°	3352	3183	3179
70°	2898	2766	2734
75°	2507	2414	2361
80°	2221	2188	2091
85°	1834	1899	1788

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 4638 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.7	3.7
10°-20°	523.3	10.5
20°-30°	787.8	15.8
30°-40°	929.8	18.7
40°-50°	935.2	18.8
50°-60°	789.5	15.9
60°-70°	507.0	10.2
70°-80°	252.2	5.1
80°-90°	69.1	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°	1493.8	30.0
0°-40°	2423.6	48.7
0°-60°	4148.2	83.4
0°-90°	4976.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4976.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1926	1926	1926	1926	1926	
5°	1920	1921	1916	1925	1927	183
15°	1853	1854	1850	1858	1858	523
25°	1712	1713	1709	1713	1711	788
35°	1488	1489	1486	1488	1488	930
45°	1214	1219	1211	1212	1212	937
55°	896	896	886	882	883	797
65°	526	519	500	495	499	525
75°	241	240	232	230	227	261
85°	59	62	62	58	58	70
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1926.1	1926.1	1926.1	1926.1	1926.1
2.5°	1925.3	1926.1	1921.0	1930.1	1931.7
5°	1920.5	1921.0	1916.2	1925.3	1926.6
7.5°	1910.6	1911.3	1907.0	1915.4	1916.9
10°	1895.8	1898.1	1893.0	1900.9	1902.2
12.5°	1877.8	1878.6	1873.5	1882.6	1884.2
15°	1853.4	1853.9	1849.9	1858.2	1858.2
17.5°	1825.2	1826.0	1823.2	1830.3	1829.5
20°	1791.2	1793.2	1789.7	1794.5	1797.3
22.5°	1754.1	1754.9	1750.5	1756.9	1759.7
25°	1712.2	1712.7	1709.4	1712.7	1711.4
27.5°	1663.1	1664.4	1659.6	1663.1	1663.9
30°	1608.5	1612.1	1605.2	1608.0	1608.5
32.5°	1549.8	1551.9	1547.1	1547.8	1551.4
35°	1488.4	1489.1	1486.3	1487.6	1487.6
37.5°	1422.1	1424.9	1420.5	1422.6	1419.8
40°	1356.3	1353.5	1352.0	1353.5	1355.5
42.5°	1286.9	1287.7	1285.7	1284.1	1280.8
45°	1214.3	1218.6	1210.7	1212.2	1212.2
47.5°	1143.1	1143.7	1139.6	1135.3	1132.5
50°	1066.9	1066.9	1061.9	1058.6	1054.2
52.5°	983.6	982.3	976.8	973.2	975.2
55°	896.2	895.5	885.8	882.3	883.0
57.5°	800.5	802.0	787.2	783.7	783.7
60°	709.0	701.9	685.1	680.3	686.4
62.5°	613.0	604.6	586.6	586.6	591.4
65°	526.4	518.7	499.9	494.9	499.2
67.5°	445.3	438.2	420.9	418.1	419.4
70°	368.3	362.2	351.6	345.2	347.5
72.5°	302.0	296.5	289.3	284.5	281.7
75°	241.1	239.8	232.2	229.9	227.1
77.5°	190.8	190.3	183.9	181.1	178.3
80°	143.3	142.5	141.2	136.9	134.9
82.5°	102.1	102.1	101.4	97.8	95.8
85°	59.4	61.5	61.5	57.9	57.9
87.5°	23.9	25.1	23.9	23.9	23.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)