

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: P1050353

Luminaire Tested: PTR-14-50-PP3-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050353
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-L830-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

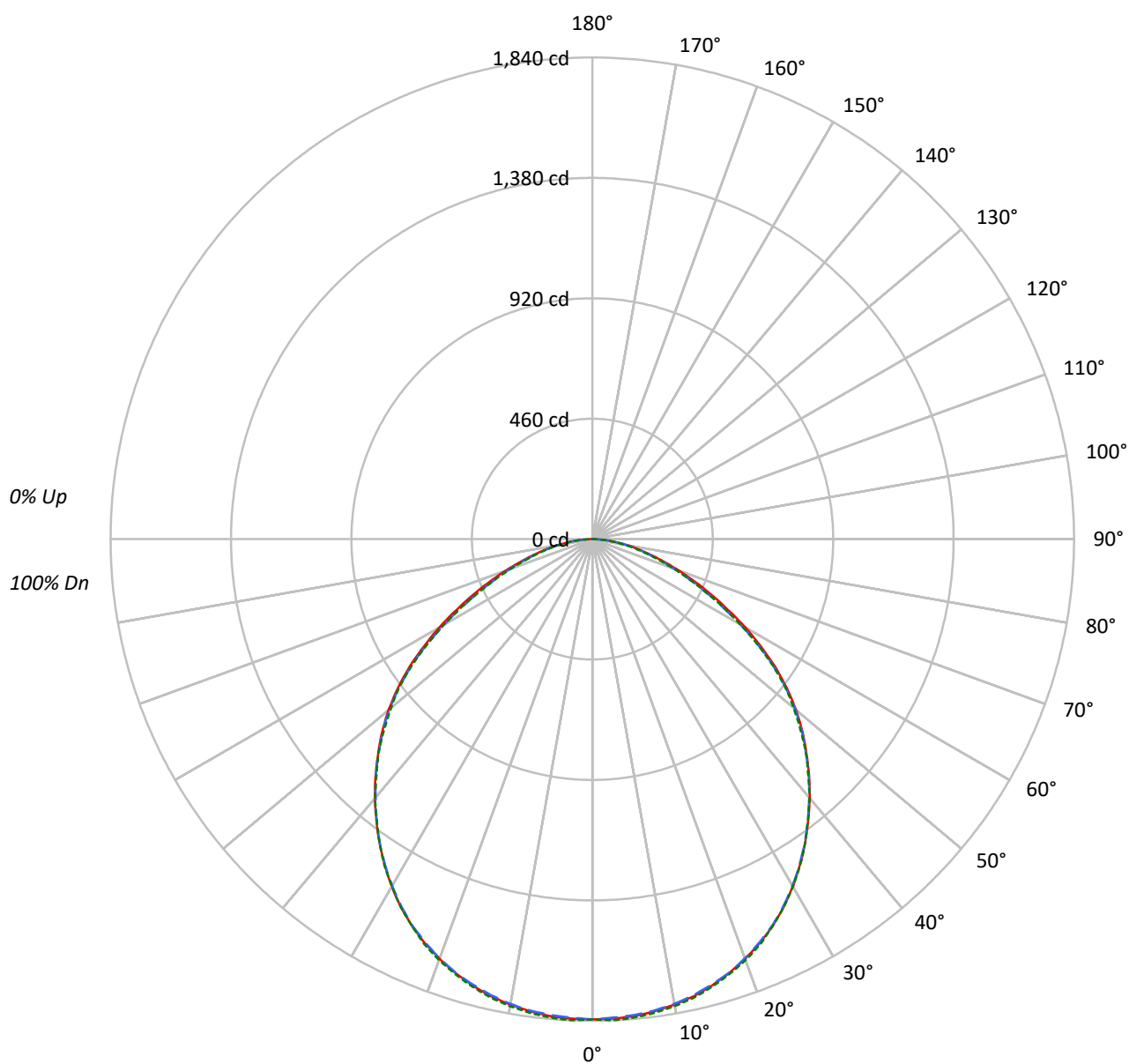
Lumens per Lamp: N/A
Luminaire Lumens: 4739.5 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	4936	4936	4936
5°	4941	4930	4956
10°	4934	4926	4950
15°	4918	4908	4930
20°	4885	4881	4902
25°	4842	4834	4839
30°	4760	4750	4760
35°	4657	4650	4654
40°	4538	4523	4535
45°	4401	4388	4394
50°	4254	4234	4203
55°	4004	3958	3946
60°	3634	3512	3518
65°	3192	3032	3027
70°	2760	2634	2604
75°	2387	2299	2249
80°	2115	2084	1991
85°	1748	1806	1704

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 4417 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.0	3.7
10°-20°	498.4	10.5
20°-30°	750.3	15.8
30°-40°	885.6	18.7
40°-50°	890.6	18.8
50°-60°	751.9	15.9
60°-70°	482.9	10.2
70°-80°	240.2	5.1
80°-90°	65.8	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°	1422.6	30.0
0°-40°	2308.2	48.7
0°-60°	3950.7	83.4
0°-90°	4739.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4739.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1834	1834	1834	1834	1834	
5°	1829	1830	1825	1834	1835	174
15°	1765	1766	1762	1770	1770	498
25°	1631	1631	1628	1631	1630	750
35°	1418	1418	1416	1417	1417	886
45°	1156	1161	1153	1154	1154	892
55°	854	853	844	840	841	759
65°	501	494	476	471	475	500
75°	230	228	221	219	216	248
85°	57	58	58	55	55	67
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1834.4	1834.4	1834.4	1834.4	1834.4
2.5°	1833.6	1834.4	1829.5	1838.2	1839.7
5°	1829.0	1829.5	1824.9	1833.6	1834.8
7.5°	1819.6	1820.3	1816.2	1824.2	1825.6
10°	1805.6	1807.7	1802.9	1810.4	1811.6
12.5°	1788.4	1789.1	1784.3	1793.0	1794.4
15°	1765.2	1765.6	1761.8	1769.8	1769.8
17.5°	1738.3	1739.0	1736.4	1743.1	1742.4
20°	1705.9	1707.8	1704.4	1709.0	1711.7
22.5°	1670.6	1671.3	1667.2	1673.2	1675.9
25°	1630.6	1631.1	1628.0	1631.1	1629.9
27.5°	1584.0	1585.2	1580.6	1584.0	1584.7
30°	1531.9	1535.3	1528.8	1531.5	1531.9
32.5°	1476.0	1478.0	1473.4	1474.1	1477.5
35°	1417.5	1418.2	1415.6	1416.8	1416.8
37.5°	1354.4	1357.0	1352.9	1354.8	1352.2
40°	1291.7	1289.0	1287.6	1289.0	1291.0
42.5°	1225.6	1226.4	1224.4	1223.0	1219.8
45°	1156.5	1160.6	1153.1	1154.5	1154.5
47.5°	1088.7	1089.2	1085.3	1081.2	1078.5
50°	1016.1	1016.1	1011.3	1008.1	1004.0
52.5°	936.8	935.6	930.2	926.9	928.8
55°	853.5	852.8	843.6	840.2	841.0
57.5°	762.3	763.8	749.8	746.4	746.4
60°	675.2	668.5	652.5	647.9	653.7
62.5°	583.8	575.8	558.6	558.6	563.2
65°	501.3	494.0	476.1	471.3	475.4
67.5°	424.1	417.3	400.9	398.2	399.4
70°	350.8	345.0	334.8	328.8	331.0
72.5°	287.7	282.3	275.6	271.0	268.3
75°	229.6	228.4	221.1	219.0	216.3
77.5°	181.7	181.2	175.2	172.5	169.8
80°	136.5	135.7	134.5	130.4	128.5
82.5°	97.3	97.3	96.5	93.1	91.2
85°	56.6	58.5	58.5	55.2	55.2
87.5°	22.7	24.0	22.7	22.7	22.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)