

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: P1050170

Luminaire Tested: PTR-14-60-PB1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050170
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-60-PB1-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

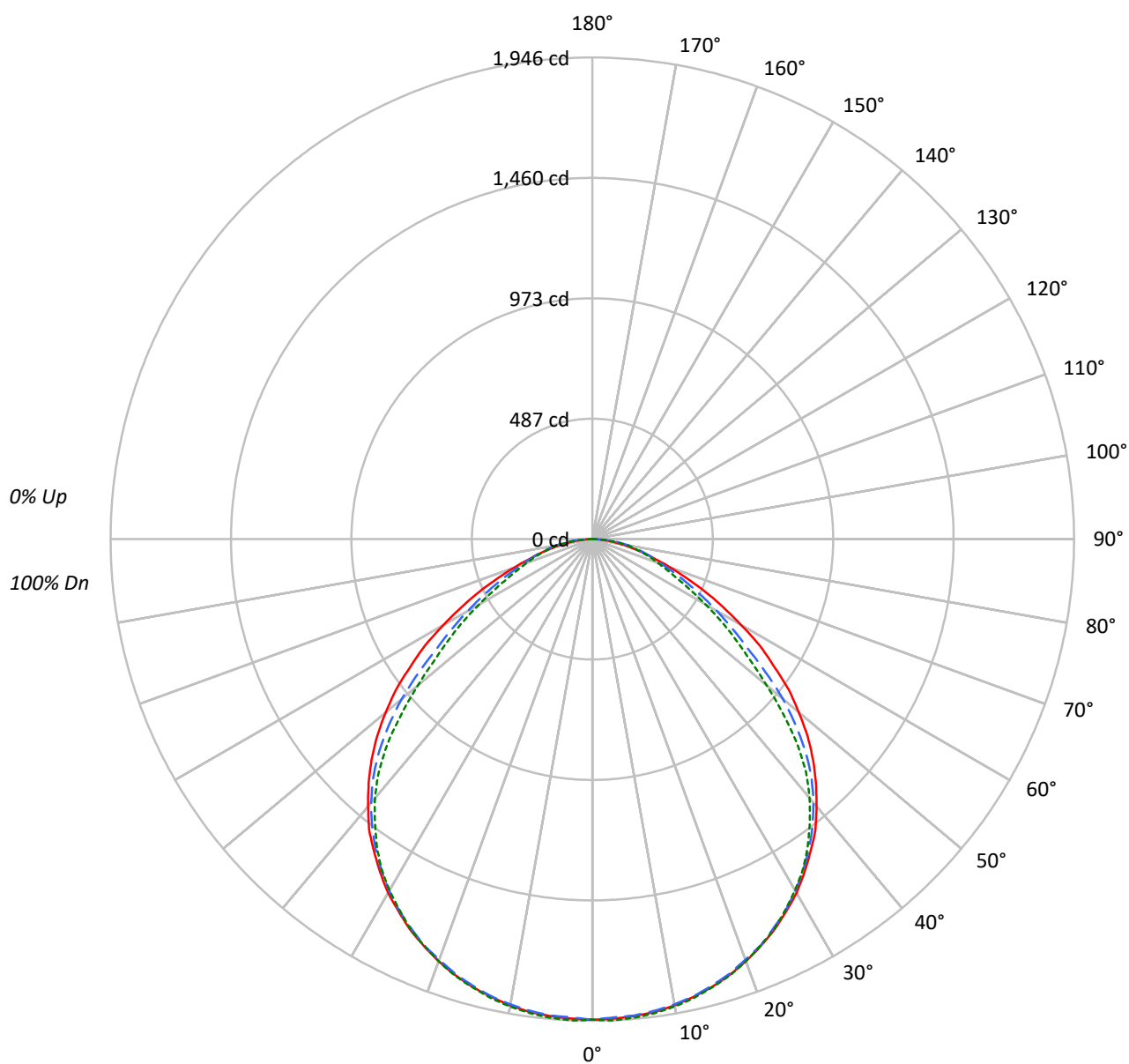
Lumens per Lamp: N/A
Luminaire Lumens: 4841.0 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5224	5224	5224
5°	5225	5219	5244
10°	5227	5214	5240
15°	5216	5203	5222
20°	5197	5177	5197
25°	5169	5147	5161
30°	5127	5098	5090
35°	5052	5013	4982
40°	4949	4882	4798
45°	4798	4643	4453
50°	4559	4209	3849
55°	4201	3575	3316
60°	3740	3124	2840
65°	3209	2707	2418
70°	2649	2386	2217
75°	2233	2283	2161
80°	1888	2331	2222
85°	1479	2362	2066

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4798 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.1	3.8
10°-20°	528.2	10.9
20°-30°	800.1	16.5
30°-40°	953.4	19.7
40°-50°	932.3	19.3
50°-60°	705.2	14.6
60°-70°	433.3	8.9
70°-80°	230.8	4.8
80°-90°	73.6	1.5
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°	1512.4	31.2
0°-40°	2465.8	50.9
0°-60°	4103.3	84.8
0°-90°	4841.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4841.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1941	1941	1941	1941	1941	
5°	1934	1937	1932	1939	1941	184
15°	1872	1874	1868	1874	1874	528
25°	1741	1738	1734	1736	1738	802
35°	1538	1536	1526	1519	1516	962
45°	1261	1254	1220	1180	1170	970
55°	896	850	762	719	707	802
65°	504	463	425	392	380	501
75°	215	217	220	213	208	230
85°	48	62	76	72	67	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1941.4	1941.4	1941.4	1941.4	1941.4
2.5°	1939.2	1941.4	1934.1	1943.9	1946.2
5°	1934.1	1936.6	1931.9	1939.2	1941.4
7.5°	1927.1	1927.1	1922.4	1929.4	1931.9
10°	1912.8	1912.8	1908.1	1915.1	1917.6
12.5°	1893.8	1893.8	1891.3	1896.0	1898.5
15°	1872.2	1874.5	1867.5	1874.5	1874.5
17.5°	1845.9	1843.6	1841.1	1845.9	1848.4
20°	1814.8	1814.8	1807.8	1812.6	1814.8
22.5°	1779.0	1779.0	1776.7	1779.0	1776.7
25°	1740.9	1738.3	1733.6	1736.1	1738.3
27.5°	1695.5	1695.5	1690.7	1690.7	1688.2
30°	1650.1	1647.6	1640.6	1635.8	1638.1
32.5°	1595.2	1592.7	1585.7	1580.9	1583.2
35°	1537.8	1535.5	1526.0	1518.7	1516.5
37.5°	1480.6	1473.4	1461.3	1451.8	1442.3
40°	1408.9	1401.7	1389.9	1368.3	1365.8
42.5°	1337.2	1330.2	1310.9	1284.8	1277.6
45°	1260.8	1253.7	1220.1	1179.5	1170.0
47.5°	1179.5	1167.8	1115.1	1065.0	1045.9
50°	1089.0	1067.5	1005.3	940.9	919.3
52.5°	1000.5	962.4	881.2	823.8	802.5
55°	895.5	850.1	761.9	718.8	706.7
57.5°	802.5	740.3	668.6	625.7	616.2
60°	694.9	637.5	580.4	542.0	527.7
62.5°	596.9	546.8	499.1	465.5	449.0
65°	503.9	463.3	425.2	391.6	379.8
67.5°	413.2	391.6	360.5	334.4	327.2
70°	336.7	324.7	303.3	291.3	281.8
72.5°	267.5	272.3	258.0	253.2	245.9
75°	214.8	217.4	219.6	212.6	207.8
77.5°	162.5	174.2	183.8	179.0	174.2
80°	121.8	133.6	150.4	143.4	143.4
82.5°	83.5	98.0	112.3	107.5	105.0
85°	47.9	62.2	76.5	71.7	66.9
87.5°	19.1	31.1	33.3	33.3	31.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)