

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: P1050413

Luminaire Tested: PTR-14-60-PR1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050413
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-60-PR1-L930-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

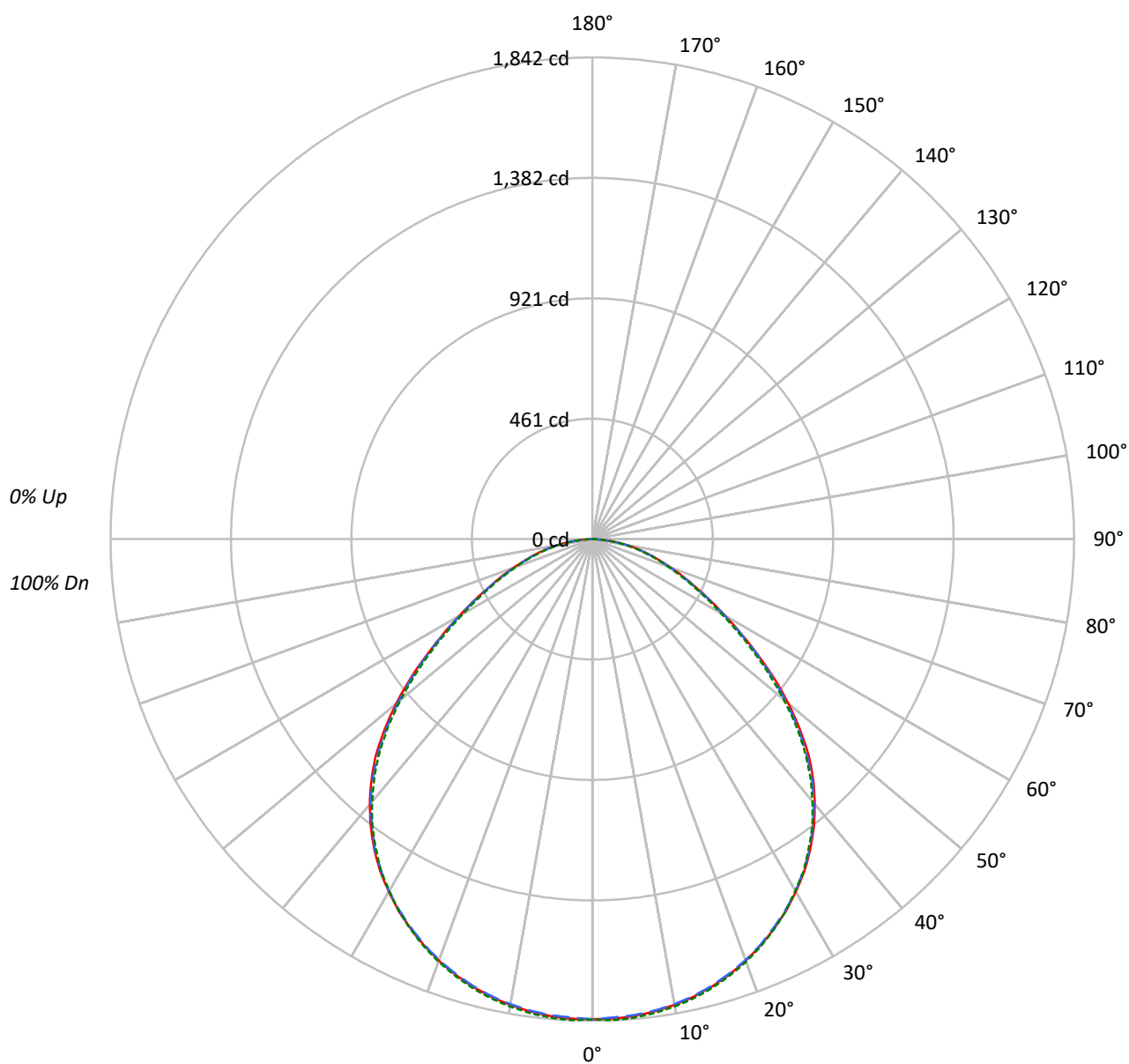
Lumens per Lamp: N/A
Luminaire Lumens: 4643.8 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	88	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4941	4941	4941
5°	4946	4935	4962
10°	4942	4933	4960
15°	4932	4925	4948
20°	4912	4906	4925
25°	4880	4868	4885
30°	4836	4830	4824
35°	4770	4759	4739
40°	4649	4631	4598
45°	4455	4405	4373
50°	4099	4053	4003
55°	3628	3613	3542
60°	3153	3141	3056
65°	2779	2762	2707
70°	2521	2485	2434
75°	2334	2280	2237
80°	2131	2101	2030
85°	1683	1667	1602

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4455 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.2	3.8
10°-20°	499.9	10.8
20°-30°	757.4	16.3
30°-40°	904.1	19.5
40°-50°	889.2	19.1
50°-60°	687.2	14.8
60°-70°	433.3	9.3
70°-80°	234.4	5.0
80°-90°	64.0	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°	1431.5	30.8
0°-40°	2335.6	50.3
0°-60°	3912.0	84.2
0°-90°	4643.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4643.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1836	1836	1836	1836	1836	
5°	1831	1832	1827	1835	1837	174
15°	1770	1771	1768	1774	1776	500
25°	1644	1645	1639	1645	1645	757
35°	1452	1452	1449	1447	1443	907
45°	1171	1166	1158	1148	1149	897
55°	773	780	770	758	755	694
65°	436	437	434	426	425	439
75°	224	222	219	220	215	239
85°	54	55	54	54	52	65
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1836.2	1836.2	1836.2	1836.2	1836.2
2.5°	1835.5	1836.2	1830.9	1839.6	1841.5
5°	1830.9	1831.7	1826.9	1834.8	1836.9
7.5°	1821.6	1823.1	1818.5	1826.4	1828.3
10°	1808.5	1809.9	1805.4	1813.3	1815.2
12.5°	1792.2	1792.7	1788.9	1796.0	1797.9
15°	1770.5	1770.9	1767.8	1773.6	1776.2
17.5°	1745.3	1746.1	1741.5	1748.7	1749.9
20°	1715.2	1715.7	1713.1	1719.0	1719.8
22.5°	1681.5	1682.9	1678.9	1684.1	1684.8
25°	1643.5	1644.7	1639.4	1644.7	1645.4
27.5°	1603.3	1603.8	1599.2	1603.3	1602.6
30°	1556.4	1560.5	1554.5	1553.1	1552.6
32.5°	1507.9	1508.4	1502.6	1501.2	1503.8
35°	1451.9	1452.4	1448.6	1446.7	1442.6
37.5°	1390.7	1390.7	1383.3	1382.1	1381.4
40°	1323.5	1322.8	1318.3	1313.7	1308.9
42.5°	1250.4	1251.8	1242.5	1234.6	1233.4
45°	1170.7	1166.2	1157.6	1148.5	1149.2
47.5°	1076.8	1078.0	1066.2	1058.8	1056.9
50°	979.2	979.2	968.2	960.3	956.2
52.5°	877.3	878.1	867.5	857.0	854.9
55°	773.3	779.8	770.0	757.5	754.9
57.5°	676.0	681.3	671.9	658.8	658.1
60°	585.8	586.3	583.7	571.3	567.9
62.5°	508.8	505.5	504.1	497.6	493.5
65°	436.4	437.1	433.8	426.4	425.2
67.5°	377.8	377.1	371.1	366.6	363.9
70°	320.4	318.5	315.9	312.1	309.4
72.5°	269.3	269.3	267.1	265.9	261.4
75°	224.5	221.9	219.3	220.5	215.2
77.5°	181.7	179.1	176.9	174.3	173.1
80°	137.5	134.9	135.6	131.5	131.0
82.5°	95.4	95.4	94.2	90.9	91.6
85°	54.5	55.2	54.0	54.5	51.9
87.5°	19.8	20.3	21.8	20.3	20.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)