

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: P1050263

Luminaire Tested: PTR-14-60-PL1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050263
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-60-PL1-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

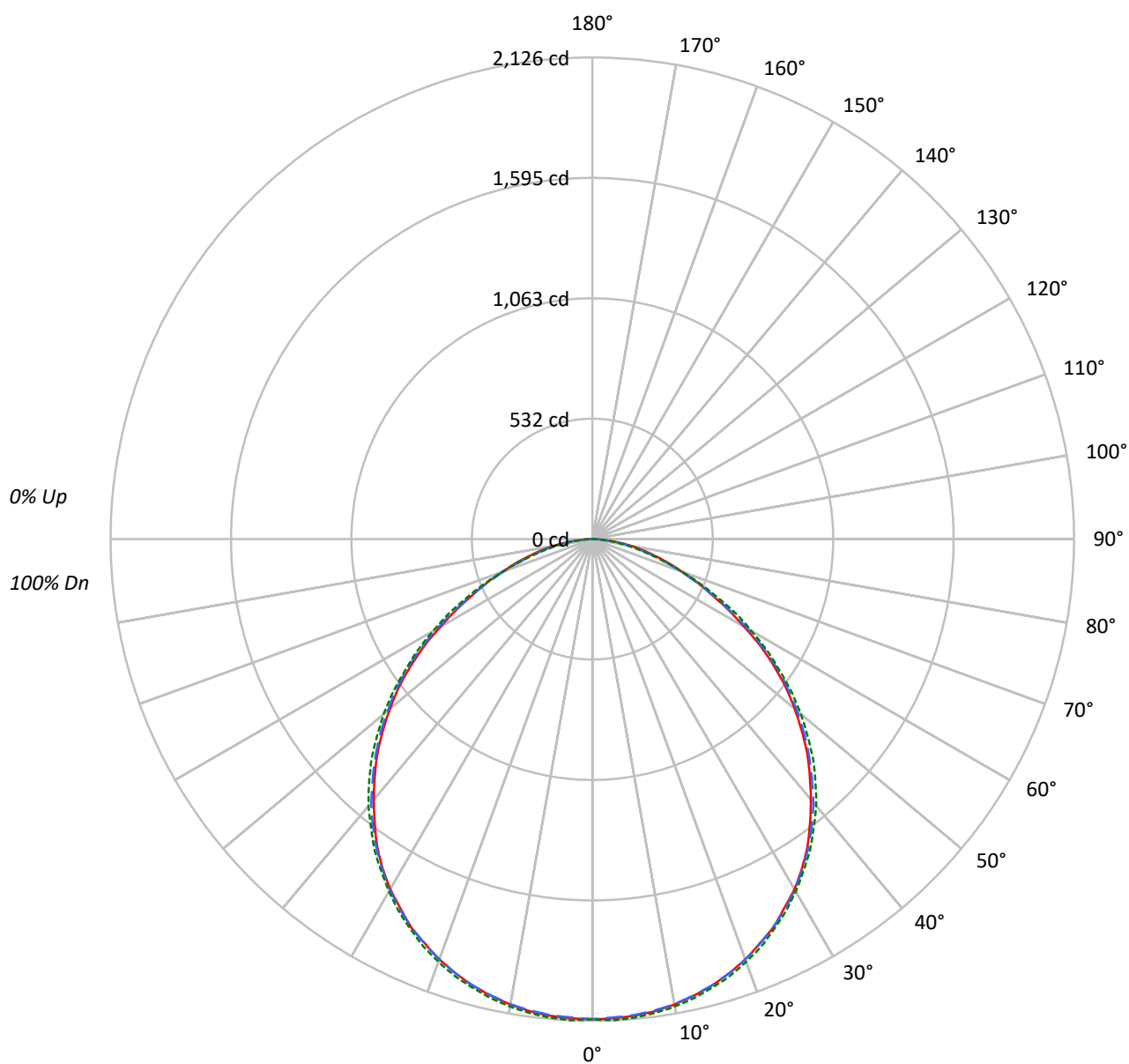
Lumens per Lamp: N/A
Luminaire Lumens: 5585.5 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5702	5702	5702
5°	5707	5696	5728
10°	5700	5693	5725
15°	5682	5680	5709
20°	5654	5654	5686
25°	5616	5608	5638
30°	5544	5552	5579
35°	5439	5460	5504
40°	5270	5331	5399
45°	5106	5148	5247
50°	4881	4933	5031
55°	4597	4671	4726
60°	4170	4259	4365
65°	3704	3743	3894
70°	3311	3243	3324
75°	2987	2815	2758
80°	2715	2520	2236
85°	2300	2087	1797

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5247 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.0	3.6
10°-20°	576.5	10.3
20°-30°	872.0	15.6
30°-40°	1039.4	18.6
40°-50°	1045.2	18.7
50°-60°	887.0	15.9
60°-70°	590.6	10.6
70°-80°	294.9	5.3
80°-90°	78.9	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°	1649.5	29.5
0°-40°	2688.9	48.1
0°-60°	4621.1	82.7
0°-90°	5585.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5585.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2119	2119	2119	2119	2119	
5°	2113	2113	2109	2118	2120	201
15°	2040	2042	2039	2047	2049	575
25°	1891	1891	1889	1898	1899	870
35°	1656	1657	1662	1674	1675	1033
45°	1342	1344	1353	1371	1379	1032
55°	980	987	996	1005	1007	873
65°	582	586	588	597	612	583
75°	287	283	271	264	265	309
85°	74	73	68	64	58	86
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2119.0	2119.0	2119.0	2119.0	2119.0
2.5°	2117.3	2119.0	2113.3	2123.5	2126.1
5°	2112.7	2113.3	2108.7	2118.1	2120.4
7.5°	2102.4	2103.3	2098.4	2108.7	2110.1
10°	2085.9	2087.6	2083.6	2093.0	2095.3
12.5°	2064.8	2067.0	2063.1	2073.3	2075.0
15°	2039.7	2041.9	2038.8	2047.4	2049.1
17.5°	2008.9	2010.6	2008.9	2016.8	2021.4
20°	1974.3	1974.3	1974.3	1981.5	1985.5
22.5°	1931.3	1935.3	1933.5	1943.0	1947.0
25°	1891.3	1891.3	1888.8	1897.6	1899.0
27.5°	1835.4	1841.7	1841.1	1848.8	1850.5
30°	1784.3	1786.1	1786.9	1792.3	1795.5
32.5°	1722.4	1723.9	1726.4	1734.1	1735.0
35°	1655.7	1657.4	1662.0	1673.7	1675.4
37.5°	1578.1	1586.7	1590.7	1603.2	1604.6
40°	1500.2	1505.6	1517.6	1530.7	1537.0
42.5°	1420.9	1427.2	1434.3	1452.3	1458.0
45°	1341.6	1343.9	1352.7	1370.7	1378.7
47.5°	1253.8	1260.9	1268.6	1284.3	1289.1
50°	1165.9	1173.6	1178.4	1192.4	1201.8
52.5°	1077.2	1084.3	1089.7	1098.3	1107.7
55°	979.9	986.7	995.6	1005.0	1007.3
57.5°	880.9	888.6	894.3	904.3	914.6
60°	774.8	783.6	791.3	800.7	811.0
62.5°	676.1	679.8	687.8	703.5	718.3
65°	581.7	586.5	587.9	596.8	611.6
67.5°	503.2	503.2	496.1	499.2	515.8
70°	420.8	417.6	412.2	409.1	422.5
72.5°	354.0	350.0	338.3	332.9	340.0
75°	287.3	283.3	270.7	264.4	265.3
77.5°	230.8	224.5	214.2	203.4	201.1
80°	175.2	172.6	162.6	152.3	144.3
82.5°	124.1	118.7	113.0	106.7	100.4
85°	74.5	73.0	67.6	63.6	58.2
87.5°	30.5	30.5	29.1	27.4	26.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)