

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: P1050459

Luminaire Tested: PTR-14-60-PW1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050459
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-60-PW1-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

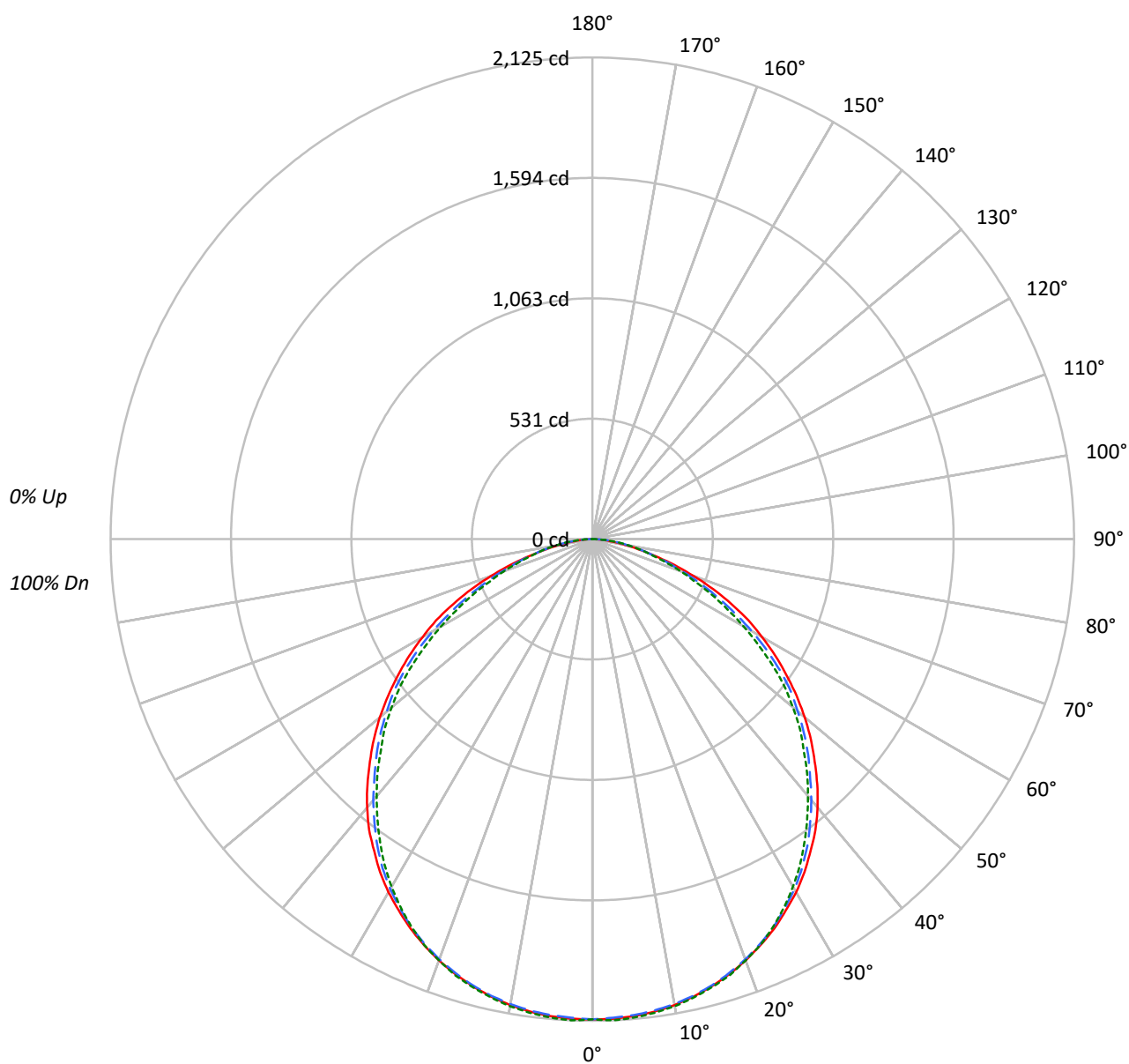
Lumens per Lamp: N/A
Luminaire Lumens: 5622.6 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	109	105	101	97	107	103	99	95		98	95	92			94	92	90			91
2	100	92	85	80	97	90	84	79		86	81	77			83	79	75			80
3	91	81	73	67	89	79	72	66		76	70	65			74	68	64			71
4	84	72	63	57	81	71	63	57		68	61	56			66	60	55			64
5	77	64	56	49	75	63	55	49		61	54	48			59	53	48			57
6	71	58	49	43	69	57	49	43		55	48	42			54	47	42			52
7	66	53	44	38	64	52	44	38		50	43	38			49	42	37			48
8	62	48	40	34	60	48	40	34		46	39	34			45	38	34			44
9	58	44	36	31	56	44	36	31		43	35	30			41	35	30			40
10	54	41	33	28	53	40	33	28		39	32	28			38	32	28			38

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5701	5701	5701
5°	5706	5694	5723
10°	5704	5691	5719
15°	5686	5677	5699
20°	5663	5650	5663
25°	5632	5608	5604
30°	5589	5540	5501
35°	5514	5431	5361
40°	5429	5281	5198
45°	5280	5123	5019
50°	5120	4953	4838
55°	4906	4740	4552
60°	4652	4377	4148
65°	4303	3909	3715
70°	3730	3403	3275
75°	2978	2912	2832
80°	2264	2529	2529
85°	1673	2158	2158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5280 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.9	3.6
10°-20°	576.3	10.2
20°-30°	871.0	15.5
30°-40°	1034.2	18.4
40°-50°	1041.9	18.5
50°-60°	900.6	16.0
60°-70°	615.6	10.9
70°-80°	303.5	5.4
80°-90°	78.5	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°	1648.2	29.3
0°-40°	2682.4	47.7
0°-60°	4625.0	82.3
0°-90°	5622.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5622.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2119	2119	2119	2119	2119	
5°	2112	2113	2108	2116	2119	201
15°	2041	2043	2038	2045	2046	576
25°	1897	1895	1889	1890	1887	874
35°	1678	1673	1653	1638	1632	1051
45°	1387	1372	1346	1330	1319	1071
55°	1046	1043	1010	980	970	935
65°	676	652	614	587	583	667
75°	286	284	280	280	272	312
85°	54	64	70	71	70	66
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2118.7	2118.7	2118.7	2118.7	2118.7
2.5°	2118.1	2118.7	2113.3	2122.7	2125.0
5°	2112.4	2113.3	2107.8	2116.4	2118.7
7.5°	2102.4	2103.8	2097.6	2106.1	2107.8
10°	2087.3	2088.2	2082.7	2091.3	2093.0
12.5°	2067.0	2067.6	2063.1	2070.8	2070.8
15°	2041.1	2043.4	2037.9	2045.1	2045.6
17.5°	2012.0	2012.8	2007.4	2015.1	2016.8
20°	1977.5	1977.5	1972.9	1979.2	1977.5
22.5°	1939.0	1939.0	1933.5	1936.7	1938.1
25°	1896.7	1895.0	1888.8	1890.5	1887.3
27.5°	1848.0	1848.0	1836.8	1836.8	1831.4
30°	1798.6	1794.6	1782.9	1775.8	1770.4
32.5°	1741.8	1736.4	1721.6	1709.0	1705.0
35°	1678.5	1672.8	1653.1	1638.3	1632.0
37.5°	1617.2	1604.6	1578.7	1563.8	1556.7
40°	1545.6	1529.9	1503.4	1482.8	1479.7
42.5°	1468.8	1456.3	1421.8	1406.7	1402.9
45°	1387.3	1372.1	1346.2	1330.5	1318.8
47.5°	1307.1	1296.0	1266.3	1247.5	1243.5
50°	1222.9	1213.5	1183.0	1162.7	1155.6
52.5°	1135.9	1129.7	1103.7	1077.7	1069.2
55°	1045.8	1042.7	1010.4	980.5	970.2
57.5°	957.1	953.1	912.9	878.3	868.9
60°	864.4	852.7	813.3	781.1	770.8
62.5°	776.5	751.4	708.9	683.8	672.1
65°	675.8	651.5	613.9	587.1	583.4
67.5°	577.1	548.0	518.9	502.4	489.8
70°	474.1	454.4	432.5	418.5	416.2
72.5°	378.3	364.3	353.2	344.6	337.5
75°	286.4	284.1	280.1	280.1	272.4
77.5°	210.5	215.9	219.1	218.2	219.9
80°	146.1	156.9	163.2	164.0	163.2
82.5°	92.7	105.3	115.5	117.0	118.7
85°	54.2	63.6	69.9	71.3	69.9
87.5°	24.2	30.5	32.2	33.7	32.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)