

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: P1050116

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050116
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-60-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

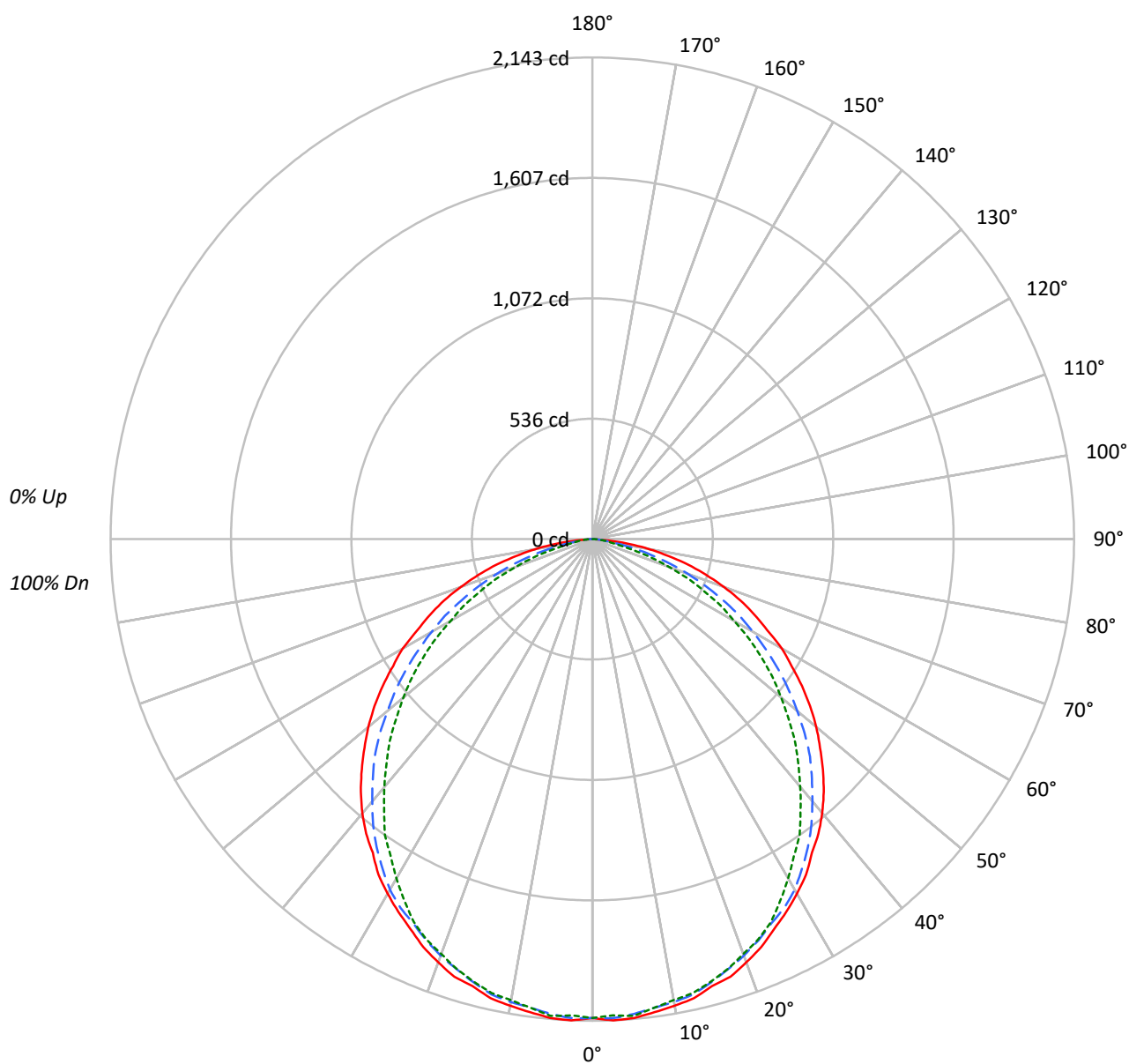
Lumens per Lamp: N/A
Luminaire Lumens: 5675.4 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5734	5734	5734
5°	5776	5728	5752
10°	5760	5714	5690
15°	5735	5689	5678
20°	5738	5647	5625
25°	5682	5599	5580
30°	5658	5595	5414
35°	5594	5495	5282
40°	5590	5349	5055
45°	5520	5211	4854
50°	5445	4978	4590
55°	5340	4745	4311
60°	5245	4440	3913
65°	5067	4073	3499
70°	4902	3544	2855
75°	4605	2797	1966
80°	3992	1691	1179
85°	2665	1213	1136

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5520 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.0	3.6
10°-20°	577.9	10.2
20°-30°	873.0	15.4
30°-40°	1038.0	18.3
40°-50°	1052.7	18.5
50°-60°	914.1	16.1
60°-70°	648.9	11.4
70°-80°	310.1	5.5
80°-90°	58.8	1.0
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°	1652.9	29.1
0°-40°	2690.9	47.4
0°-60°	4657.6	82.1
0°-90°	5675.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5675.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2131	2131	2131	2131	2131	
5°	2138	2131	2120	2126	2129	203
15°	2058	2063	2042	2039	2038	583
25°	1914	1911	1886	1893	1879	884
35°	1703	1700	1673	1616	1608	1070
45°	1450	1438	1369	1297	1275	1119
55°	1138	1104	1011	952	919	1017
65°	796	736	640	571	550	788
75°	443	362	269	213	189	464
85°	86	46	39	38	37	109
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2130.7	2130.7	2130.7	2130.7	2130.7
2.5°	2143.4	2135.8	2133.2	2142.1	2120.5
5°	2138.3	2130.7	2120.5	2125.6	2129.4
7.5°	2123.1	2116.7	2102.8	2114.2	2102.8
10°	2107.8	2101.5	2091.3	2095.2	2082.5
12.5°	2092.6	2077.4	2074.8	2077.4	2068.5
15°	2058.4	2063.4	2041.9	2039.3	2038.0
17.5°	2041.9	2029.2	2006.3	2007.6	2005.1
20°	2003.8	1988.6	1972.1	1969.5	1964.4
22.5°	1964.4	1946.7	1931.5	1939.1	1927.6
25°	1913.7	1911.1	1885.8	1893.4	1879.4
27.5°	1869.3	1860.4	1849.0	1832.5	1812.2
30°	1821.0	1812.2	1800.7	1757.6	1742.4
32.5°	1770.3	1760.1	1737.3	1686.5	1670.0
35°	1703.0	1700.5	1672.6	1615.5	1607.8
37.5°	1652.3	1624.3	1601.5	1543.1	1521.6
40°	1591.4	1576.1	1522.8	1467.0	1439.1
42.5°	1524.1	1506.3	1445.4	1385.8	1355.3
45°	1450.5	1437.8	1369.3	1296.9	1275.4
47.5°	1374.3	1362.9	1281.7	1211.9	1184.0
50°	1300.7	1286.8	1189.1	1121.8	1096.4
52.5°	1220.8	1198.0	1101.5	1035.5	1011.4
55°	1138.3	1104.0	1011.4	951.8	918.8
57.5°	1050.7	1019.0	916.2	854.1	827.4
60°	974.6	930.2	824.9	761.4	727.1
62.5°	876.9	838.8	738.6	663.7	647.2
65°	795.7	736.0	639.6	571.1	549.5
67.5°	713.2	643.4	545.7	475.9	464.5
70°	623.1	550.8	450.5	382.0	362.9
72.5°	531.7	460.7	362.9	290.6	279.2
75°	442.9	361.7	269.0	213.2	189.1
77.5°	346.4	272.8	189.1	130.7	115.5
80°	257.6	184.0	109.1	77.4	76.1
82.5°	168.8	106.6	58.4	59.6	57.1
85°	86.3	45.7	39.3	38.1	36.8
87.5°	16.5	17.8	19.0	19.0	19.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)