

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: P1050344

Luminaire Tested: PTR-14-80-PP3-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050344
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PP3-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

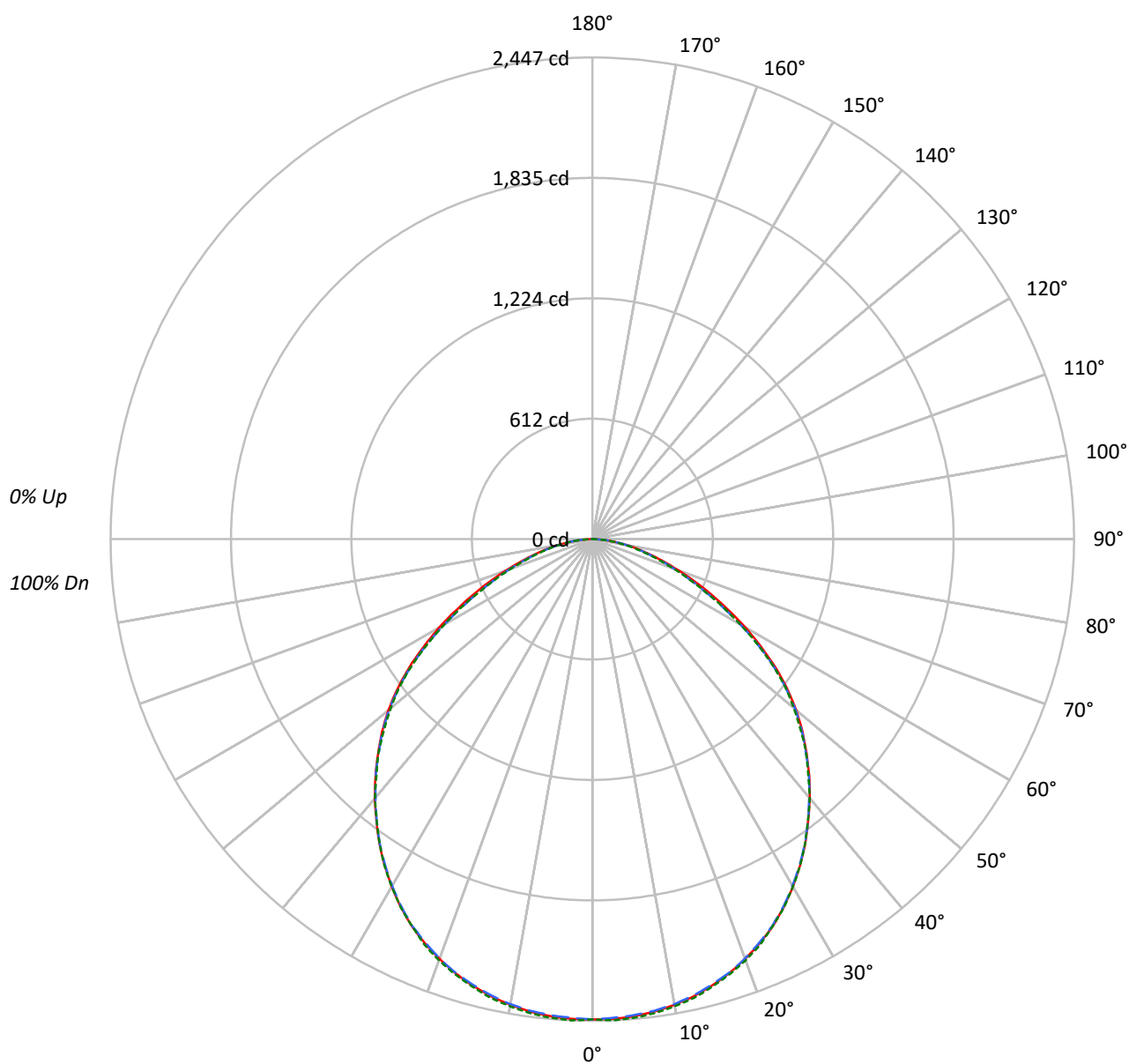
Lumens per Lamp: N/A
Luminaire Lumens: 6305.3 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 71
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	99	96	93	95	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	74	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	63	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	55	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	48	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	42	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	38	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	34	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	31	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6567	6567	6567
5°	6573	6558	6594
10°	6564	6554	6586
15°	6542	6530	6559
20°	6499	6493	6521
25°	6441	6431	6438
30°	6333	6320	6333
35°	6195	6186	6192
40°	6036	6017	6033
45°	5855	5838	5845
50°	5659	5632	5592
55°	5327	5265	5249
60°	4835	4672	4681
65°	4246	4033	4027
70°	3672	3505	3464
75°	3175	3059	2991
80°	2813	2774	2648
85°	2325	2405	2266

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 5876 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.4	3.7
10°-20°	663.0	10.5
20°-30°	998.2	15.8
30°-40°	1178.1	18.7
40°-50°	1184.8	18.8
50°-60°	1000.3	15.9
60°-70°	642.4	10.2
70°-80°	319.5	5.1
80°-90°	87.6	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°	1892.6	30.0
0°-40°	3070.7	48.7
0°-60°	5255.8	83.4
0°-90°	6305.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6305.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2440	2440	2440	2440	2440	
5°	2433	2434	2428	2439	2441	231
15°	2348	2349	2344	2354	2354	663
25°	2169	2170	2166	2170	2168	998
35°	1886	1887	1883	1885	1885	1179
45°	1538	1544	1534	1536	1536	1187
55°	1136	1135	1122	1118	1119	1010
65°	667	657	633	627	632	665
75°	305	304	294	291	288	331
85°	75	78	78	73	73	89
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2440.4	2440.4	2440.4	2440.4	2440.4
2.5°	2439.4	2440.4	2433.9	2445.5	2447.4
5°	2433.3	2433.9	2427.8	2439.4	2441.0
7.5°	2420.7	2421.7	2416.2	2426.8	2428.8
10°	2402.1	2405.0	2398.5	2408.5	2410.1
12.5°	2379.2	2380.2	2373.7	2385.3	2387.2
15°	2348.3	2348.9	2343.8	2354.4	2354.4
17.5°	2312.6	2313.5	2310.0	2319.0	2318.0
20°	2269.4	2272.0	2267.5	2273.6	2277.2
22.5°	2222.5	2223.4	2217.9	2226.0	2229.5
25°	2169.3	2170.0	2165.8	2170.0	2168.4
27.5°	2107.2	2108.8	2102.7	2107.2	2108.2
30°	2038.0	2042.5	2033.8	2037.4	2038.0
32.5°	1963.7	1966.3	1960.1	1961.1	1965.6
35°	1885.8	1886.8	1883.2	1884.8	1884.8
37.5°	1801.8	1805.3	1799.9	1802.4	1798.9
40°	1718.4	1714.9	1712.9	1714.9	1717.5
42.5°	1630.6	1631.5	1628.9	1627.0	1622.8
45°	1538.5	1544.0	1534.0	1535.9	1535.9
47.5°	1448.4	1449.0	1443.9	1438.4	1434.9
50°	1351.8	1351.8	1345.4	1341.2	1335.7
52.5°	1246.2	1244.6	1237.6	1233.1	1235.6
55°	1135.5	1134.6	1122.3	1117.8	1118.8
57.5°	1014.2	1016.1	997.4	992.9	992.9
60°	898.3	889.3	868.1	861.9	869.7
62.5°	776.7	766.0	743.2	743.2	749.3
65°	666.9	657.2	633.4	627.0	632.5
67.5°	564.2	555.2	533.3	529.8	531.4
70°	466.7	459.0	445.5	437.4	440.3
72.5°	382.7	375.6	366.6	360.5	356.9
75°	305.4	303.8	294.2	291.3	287.7
77.5°	241.7	241.1	233.0	229.5	225.9
80°	181.5	180.6	179.0	173.5	170.9
82.5°	129.4	129.4	128.4	123.9	121.3
85°	75.3	77.9	77.9	73.4	73.4
87.5°	30.3	31.9	30.3	30.3	29.3
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)