

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: P1050139

Luminaire Tested: PTR-14-70-PB1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050139
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-70-PB1-L935-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

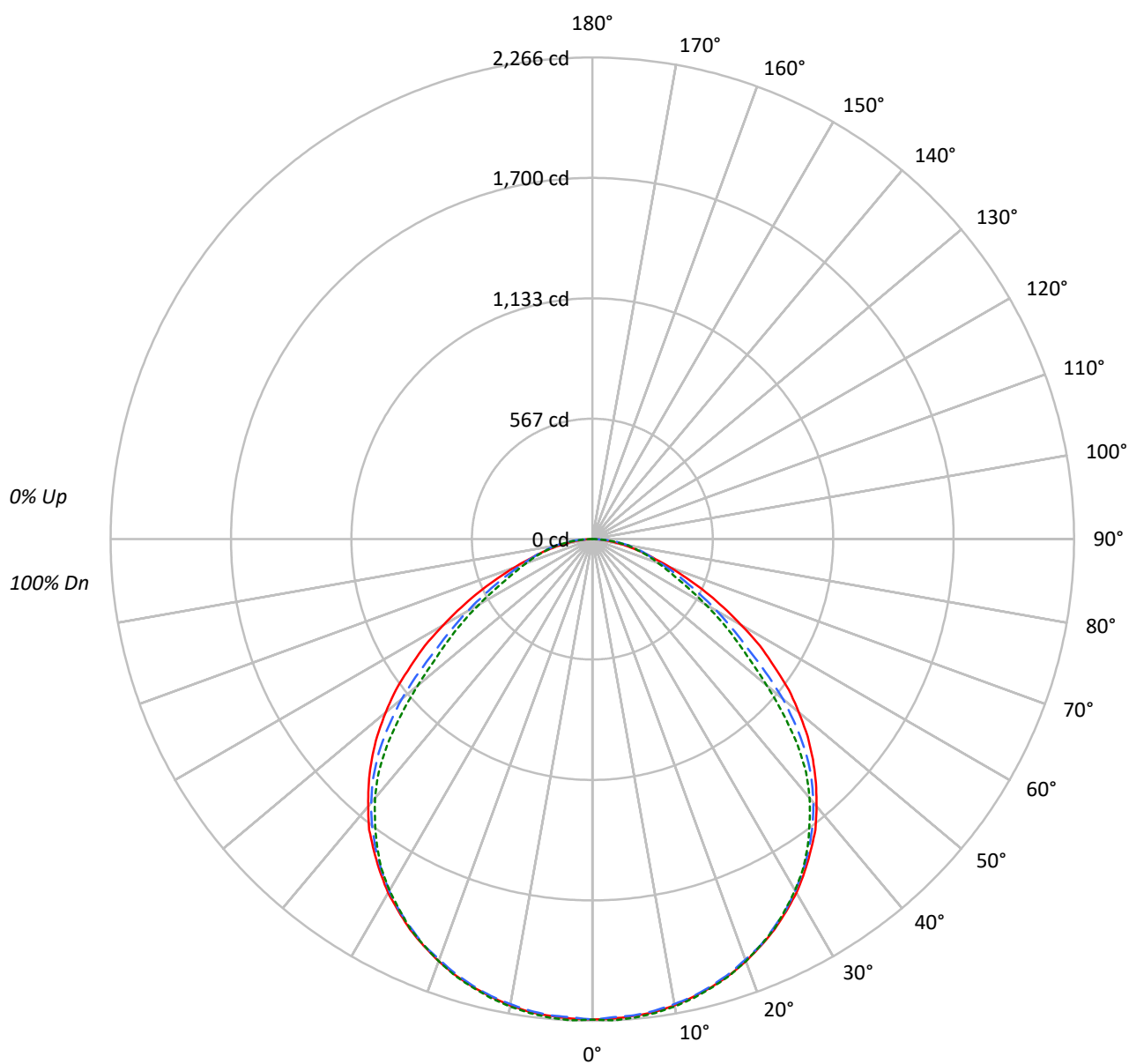
Lumens per Lamp: N/A
Luminaire Lumens: 5636.2 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 63
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	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6082	6082	6082
5°	6083	6076	6106
10°	6085	6070	6101
15°	6072	6057	6080
20°	6051	6027	6051
25°	6018	5993	6009
30°	5969	5935	5926
35°	5882	5837	5800
40°	5762	5684	5586
45°	5586	5406	5184
50°	5308	4900	4481
55°	4891	4161	3860
60°	4355	3637	3307
65°	3736	3152	2816
70°	3084	2779	2581
75°	2600	2659	2516
80°	2199	2713	2588
85°	1720	2748	2405

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5586 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.3	3.8
10°-20°	615.0	10.9
20°-30°	931.5	16.5
30°-40°	1110.0	19.7
40°-50°	1085.5	19.3
50°-60°	821.0	14.6
60°-70°	504.4	8.9
70°-80°	268.7	4.8
80°-90°	85.7	1.5
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°	1760.8	31.2
0°-40°	2870.8	50.9
0°-60°	4777.3	84.8
0°-90°	5636.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5636.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2260	2260	2260	2260	2260	
5°	2252	2255	2249	2258	2260	214
15°	2180	2182	2174	2182	2182	615
25°	2027	2024	2018	2021	2024	933
35°	1790	1788	1777	1768	1766	1120
45°	1468	1460	1421	1373	1362	1129
55°	1043	990	887	837	823	934
65°	587	539	495	456	442	584
75°	250	253	256	248	242	268
85°	56	72	89	84	78	67
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2260.3	2260.3	2260.3	2260.3	2260.3
2.5°	2257.7	2260.3	2251.8	2263.2	2265.8
5°	2251.8	2254.8	2249.2	2257.7	2260.3
7.5°	2243.7	2243.7	2238.1	2246.3	2249.2
10°	2227.0	2227.0	2221.5	2229.6	2232.6
12.5°	2204.8	2204.8	2201.9	2207.5	2210.4
15°	2179.7	2182.4	2174.2	2182.4	2182.4
17.5°	2149.1	2146.5	2143.5	2149.1	2152.0
20°	2112.9	2112.9	2104.7	2110.3	2112.9
22.5°	2071.2	2071.2	2068.5	2071.2	2068.5
25°	2026.8	2023.9	2018.3	2021.2	2023.9
27.5°	1974.0	1974.0	1968.4	1968.4	1965.5
30°	1921.1	1918.2	1910.0	1904.5	1907.1
32.5°	1857.2	1854.3	1846.1	1840.6	1843.2
35°	1790.4	1787.7	1776.7	1768.2	1765.6
37.5°	1723.8	1715.4	1701.4	1690.3	1679.2
40°	1640.3	1631.9	1618.2	1593.1	1590.1
42.5°	1556.9	1548.7	1526.2	1495.9	1487.4
45°	1467.8	1459.7	1420.6	1373.3	1362.2
47.5°	1373.3	1359.6	1298.3	1239.9	1217.7
50°	1267.9	1242.8	1170.4	1095.4	1070.3
52.5°	1164.9	1120.5	1025.9	959.1	934.3
55°	1042.6	989.8	887.0	836.8	822.8
57.5°	934.3	861.9	778.4	728.5	717.4
60°	809.1	742.2	675.7	631.0	614.4
62.5°	695.0	636.6	581.1	542.0	522.8
65°	586.7	539.4	495.0	455.9	442.2
67.5°	481.0	455.9	419.7	389.4	380.9
70°	392.0	378.0	353.2	339.2	328.1
72.5°	311.4	317.0	300.3	294.8	286.3
75°	250.1	253.1	255.7	247.5	242.0
77.5°	189.1	202.9	213.9	208.4	202.9
80°	141.9	155.6	175.1	167.0	167.0
82.5°	97.2	114.1	130.8	125.2	122.3
85°	55.7	72.4	89.0	83.5	77.9
87.5°	22.2	36.2	38.8	38.8	36.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)