

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: P1050384

Luminaire Tested: PTR-14-70-PR1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050384
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-70-PR1-L935-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

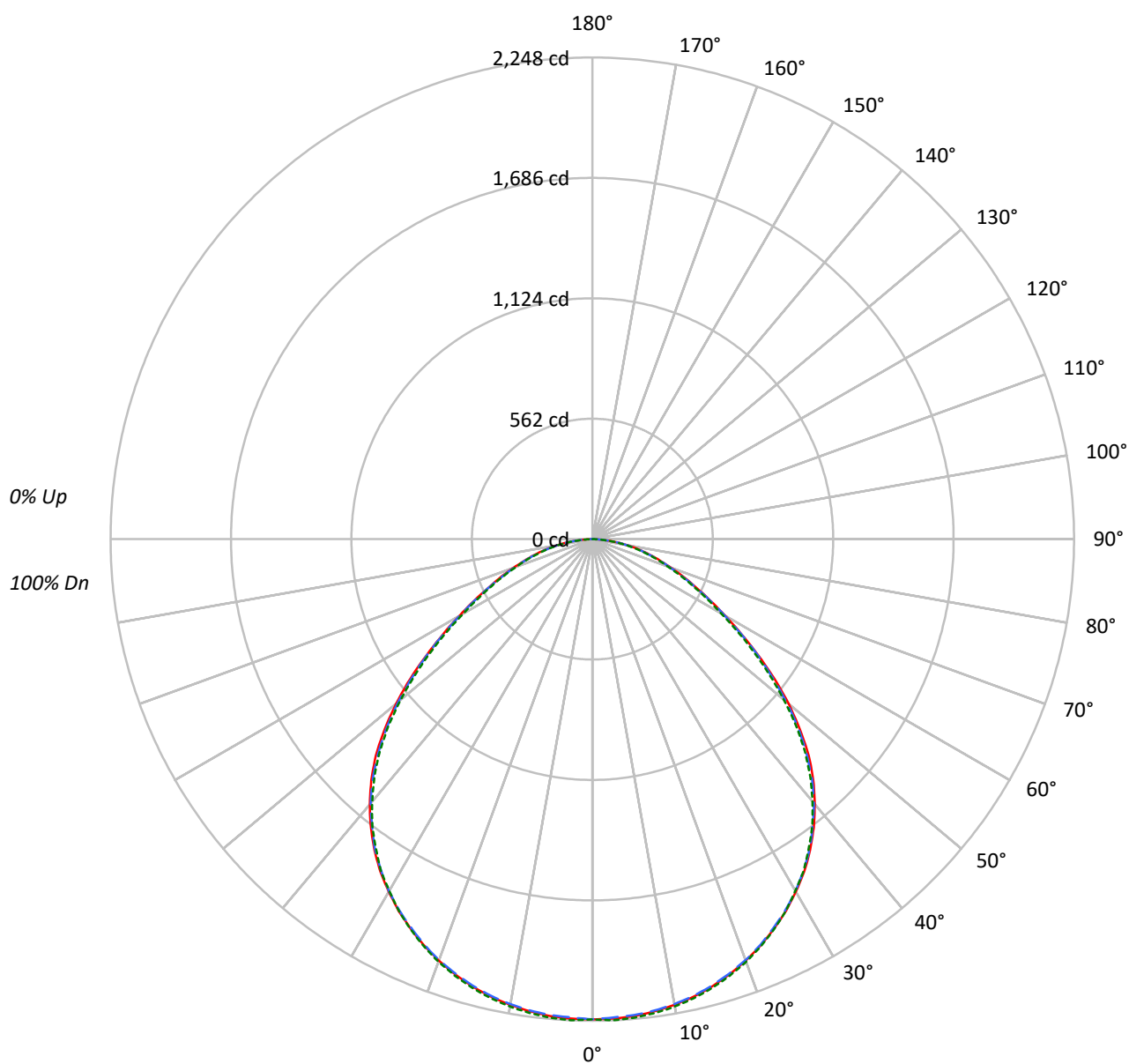
Lumens per Lamp: N/A
Luminaire Lumens: 5667.8 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6031	6031	6031
5°	6037	6023	6056
10°	6031	6021	6054
15°	6020	6011	6040
20°	5995	5987	6011
25°	5956	5941	5963
30°	5903	5895	5888
35°	5821	5808	5784
40°	5675	5652	5612
45°	5438	5377	5338
50°	5003	4947	4886
55°	4428	4409	4323
60°	3848	3834	3731
65°	3391	3371	3304
70°	3077	3033	2972
75°	2850	2782	2731
80°	2600	2565	2478
85°	2053	2038	1954

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5438 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.6	3.8
10°-20°	610.2	10.8
20°-30°	924.4	16.3
30°-40°	1103.5	19.5
40°-50°	1085.2	19.1
50°-60°	838.8	14.8
60°-70°	528.9	9.3
70°-80°	286.1	5.0
80°-90°	78.1	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°	1747.2	30.8
0°-40°	2850.7	50.3
0°-60°	4774.7	84.2
0°-90°	5667.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5667.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2241	2241	2241	2241	2241	
5°	2235	2236	2230	2239	2242	212
15°	2161	2162	2158	2165	2168	610
25°	2006	2007	2001	2007	2008	924
35°	1772	1773	1768	1766	1761	1106
45°	1429	1423	1413	1402	1403	1094
55°	944	952	940	925	921	847
65°	533	534	529	520	519	536
75°	274	271	268	269	263	291
85°	66	67	66	66	63	79
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2241.1	2241.1	2241.1	2241.1	2241.1
2.5°	2240.3	2241.1	2234.7	2245.2	2247.6
5°	2234.7	2235.6	2229.8	2239.4	2242.0
7.5°	2223.3	2225.1	2219.6	2229.2	2231.5
10°	2207.3	2209.0	2203.5	2213.1	2215.5
12.5°	2187.4	2188.0	2183.4	2192.1	2194.5
15°	2160.9	2161.5	2157.7	2164.7	2167.9
17.5°	2130.2	2131.1	2125.6	2134.3	2135.8
20°	2093.5	2094.1	2090.8	2098.1	2099.0
22.5°	2052.3	2054.1	2049.1	2055.5	2056.4
25°	2005.9	2007.4	2001.0	2007.4	2008.2
27.5°	1956.9	1957.5	1951.9	1956.9	1956.0
30°	1899.7	1904.6	1897.3	1895.6	1895.0
32.5°	1840.4	1841.0	1834.0	1832.3	1835.5
35°	1772.1	1772.7	1768.1	1765.7	1760.8
37.5°	1697.4	1697.4	1688.4	1686.9	1686.0
40°	1615.4	1614.5	1609.0	1603.4	1597.6
42.5°	1526.1	1527.9	1516.5	1506.8	1505.4
45°	1428.9	1423.4	1412.9	1401.8	1402.7
47.5°	1314.2	1315.7	1301.4	1292.3	1290.0
50°	1195.1	1195.1	1181.7	1172.1	1167.1
52.5°	1070.8	1071.7	1058.8	1046.0	1043.4
55°	943.9	951.7	939.8	924.6	921.4
57.5°	825.1	831.5	820.1	804.1	803.2
60°	715.0	715.6	712.4	697.2	693.2
62.5°	621.1	617.0	615.2	607.3	602.4
65°	532.6	533.5	529.4	520.4	518.9
67.5°	461.1	460.3	453.0	447.4	444.2
70°	391.1	388.7	385.5	380.9	377.7
72.5°	328.6	328.6	326.0	324.5	319.0
75°	274.1	270.8	267.6	269.1	262.7
77.5°	221.8	218.6	216.0	212.8	211.3
80°	167.8	164.6	165.5	160.5	159.9
82.5°	116.4	116.4	115.0	110.9	111.8
85°	66.5	67.4	66.0	66.5	63.3
87.5°	24.2	24.8	26.6	24.8	24.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)