

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: P1050387

Luminaire Tested: PTR-14-70-PR1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050387
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-L940-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

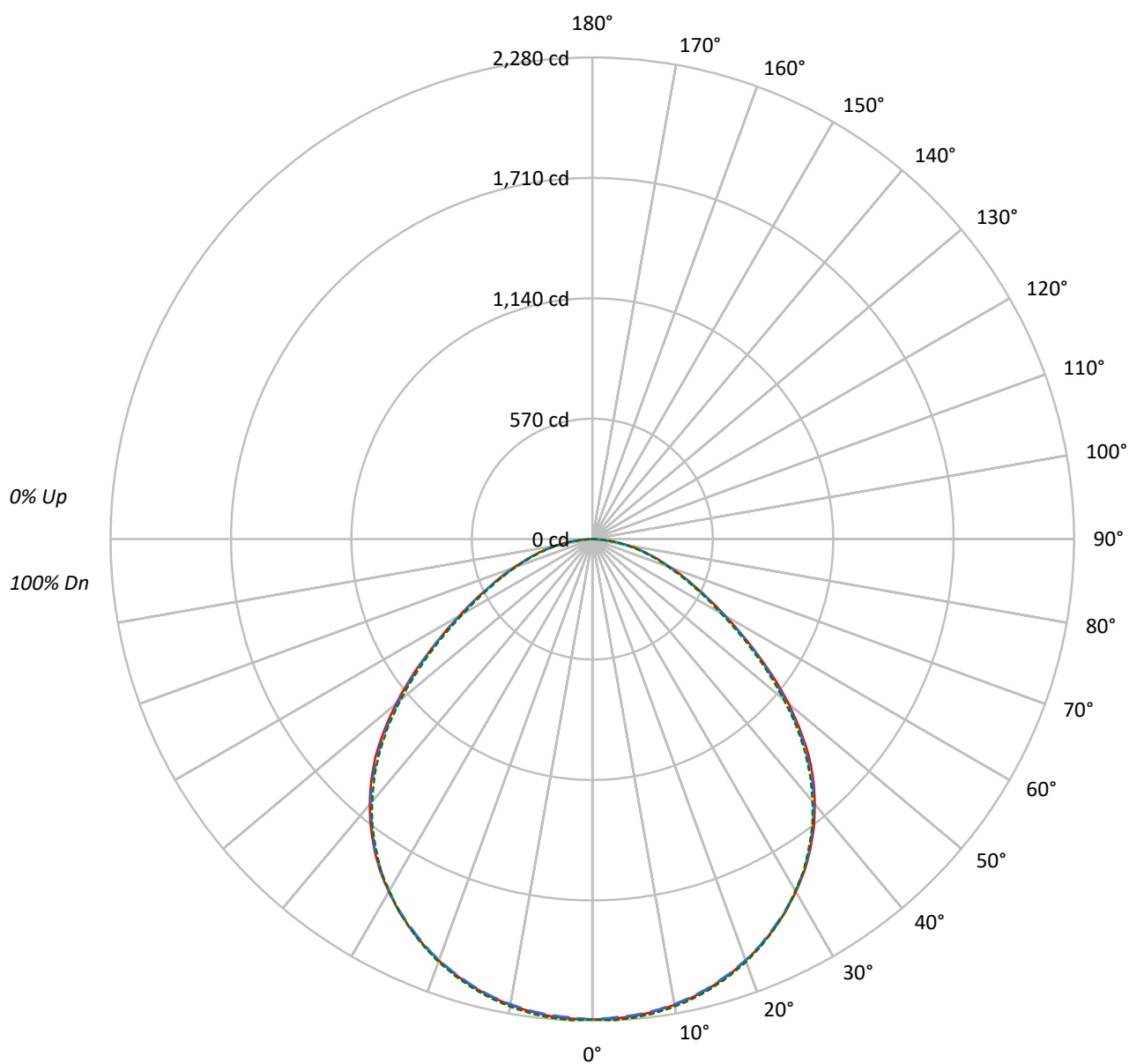
Lumens per Lamp: N/A
Luminaire Lumens: 5748.5 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	6117	6117	6117
5°	6122	6109	6142
10°	6117	6107	6140
15°	6106	6097	6125
20°	6080	6073	6096
25°	6041	6026	6048
30°	5987	5979	5972
35°	5905	5891	5866
40°	5755	5733	5692
45°	5515	5453	5414
50°	5074	5017	4955
55°	4491	4472	4384
60°	3903	3889	3784
65°	3440	3419	3351
70°	3120	3076	3013
75°	2890	2822	2770
80°	2638	2600	2514
85°	2084	2066	1982

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5515 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.6	3.8
10°-20°	618.9	10.8
20°-30°	937.6	16.3
30°-40°	1119.2	19.5
40°-50°	1100.7	19.1
50°-60°	850.7	14.8
60°-70°	536.4	9.3
70°-80°	290.2	5.0
80°-90°	79.3	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°	1772.0	30.8
0°-40°	2891.2	50.3
0°-60°	4842.6	84.2
0°-90°	5748.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5748.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2273	2273	2273	2273	2273	
5°	2266	2267	2262	2271	2274	215
15°	2192	2192	2188	2196	2199	619
25°	2034	2036	2029	2036	2037	938
35°	1797	1798	1793	1791	1786	1122
45°	1449	1444	1433	1422	1423	1110
55°	957	965	953	938	934	859
65°	540	541	537	528	526	544
75°	278	275	271	273	266	295
85°	68	68	67	68	64	80
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2273.0	2273.0	2273.0	2273.0	2273.0
2.5°	2272.1	2273.0	2266.5	2277.2	2279.5
5°	2266.5	2267.4	2261.5	2271.3	2273.9
7.5°	2255.0	2256.8	2251.1	2260.9	2263.3
10°	2238.7	2240.5	2234.9	2244.6	2247.0
12.5°	2218.6	2219.2	2214.4	2223.3	2225.7
15°	2191.6	2192.2	2188.4	2195.5	2198.7
17.5°	2160.6	2161.4	2155.8	2164.7	2166.2
20°	2123.3	2123.8	2120.6	2128.0	2128.9
22.5°	2081.5	2083.3	2078.3	2084.8	2085.7
25°	2034.5	2035.9	2029.4	2035.9	2036.8
27.5°	1984.7	1985.3	1979.7	1984.7	1983.8
30°	1926.7	1931.7	1924.3	1922.6	1922.0
32.5°	1866.6	1867.2	1860.1	1858.3	1861.6
35°	1797.4	1797.9	1793.2	1790.8	1785.8
37.5°	1721.6	1721.6	1712.4	1710.9	1710.0
40°	1638.4	1637.5	1631.9	1626.3	1620.3
42.5°	1547.8	1549.6	1538.1	1528.3	1526.8
45°	1449.2	1443.6	1433.0	1421.7	1422.6
47.5°	1332.9	1334.4	1319.9	1310.7	1308.3
50°	1212.1	1212.1	1198.5	1188.8	1183.7
52.5°	1086.0	1086.9	1073.9	1060.9	1058.2
55°	957.3	965.3	953.1	937.7	934.5
57.5°	836.8	843.3	831.8	815.5	814.6
60°	725.2	725.8	722.6	707.2	703.0
62.5°	629.9	625.8	624.0	616.0	611.0
65°	540.2	541.1	537.0	527.8	526.3
67.5°	467.7	466.8	459.4	453.8	450.5
70°	396.6	394.3	391.0	386.3	383.0
72.5°	333.3	333.3	330.6	329.2	323.5
75°	278.0	274.7	271.4	272.9	266.4
77.5°	225.0	221.7	219.0	215.8	214.3
80°	170.2	166.9	167.8	162.8	162.2
82.5°	118.1	118.1	116.6	112.5	113.4
85°	67.5	68.4	66.9	67.5	64.2
87.5°	24.6	25.2	26.9	25.2	25.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)