

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: P1050191

Luminaire Tested: PTR-14-70-PC3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050191
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-70-PC3-L940-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

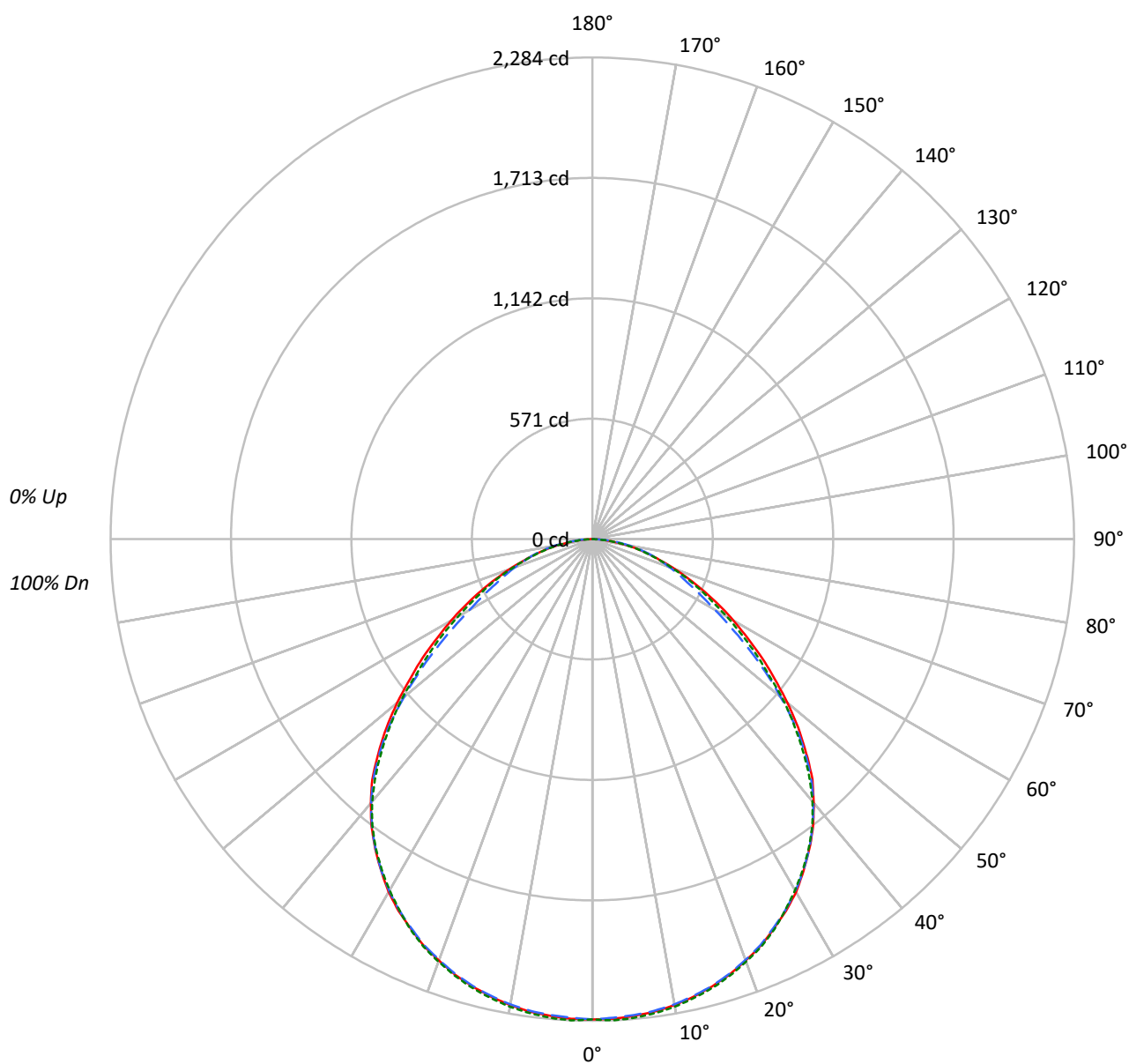
Lumens per Lamp: N/A
Luminaire Lumens: 5742.7 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6130	6130	6130
5°	6131	6120	6155
10°	6131	6120	6153
15°	6116	6110	6137
20°	6089	6080	6106
25°	6048	6038	6062
30°	6003	5982	5972
35°	5894	5888	5877
40°	5738	5729	5703
45°	5457	5416	5361
50°	5051	4881	4936
55°	4609	4236	4426
60°	4156	3613	3964
65°	3715	3233	3564
70°	3296	3058	3205
75°	2914	2964	2856
80°	2514	2830	2500
85°	1883	2238	1883

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 5469 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.0	3.8
10°-20°	620.1	10.8
20°-30°	938.9	16.3
30°-40°	1119.4	19.5
40°-50°	1093.7	19.0
50°-60°	836.3	14.6
60°-70°	537.0	9.4
70°-80°	298.7	5.2
80°-90°	82.5	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°	1775.1	30.9
0°-40°	2894.4	50.4
0°-60°	4824.5	84.0
0°-90°	5742.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5742.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2278	2278	2278	2278	2278	
5°	2270	2271	2266	2276	2279	216
15°	2196	2197	2193	2201	2203	620
25°	2037	2039	2034	2040	2042	939
35°	1794	1796	1792	1792	1789	1121
45°	1434	1437	1423	1420	1409	1103
55°	982	948	903	914	943	878
65°	583	538	508	524	560	582
75°	280	283	285	281	275	300
85°	61	72	72	70	61	75
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2277.8	2277.8	2277.8	2277.8	2277.8
2.5°	2276.4	2277.2	2271.3	2281.1	2284.4
5°	2269.8	2271.3	2265.7	2276.4	2278.7
7.5°	2260.1	2261.6	2255.9	2266.6	2267.5
10°	2243.8	2244.7	2239.7	2250.3	2251.8
12.5°	2221.9	2224.3	2218.6	2228.4	2229.0
15°	2195.5	2197.3	2193.2	2200.6	2202.9
17.5°	2164.8	2165.6	2161.5	2169.5	2170.4
20°	2126.3	2126.3	2123.0	2132.2	2132.2
22.5°	2087.2	2084.8	2083.9	2087.2	2092.2
25°	2036.9	2039.2	2033.6	2040.1	2041.6
27.5°	1988.0	1988.0	1983.0	1986.3	1982.1
30°	1931.8	1928.5	1925.3	1925.9	1922.0
32.5°	1864.0	1864.0	1862.5	1862.5	1857.5
35°	1794.1	1795.6	1792.4	1791.5	1789.1
37.5°	1719.0	1721.6	1715.7	1714.2	1712.4
40°	1633.4	1633.4	1631.0	1627.8	1623.6
42.5°	1544.6	1544.6	1534.2	1526.0	1520.3
45°	1433.9	1437.2	1423.2	1420.0	1408.7
47.5°	1323.8	1321.4	1302.8	1300.4	1293.9
50°	1206.6	1192.6	1166.0	1173.1	1179.0
52.5°	1089.3	1072.2	1033.1	1041.1	1050.9
55°	982.5	948.4	902.8	914.1	943.4
57.5°	870.9	825.3	779.7	801.0	837.4
60°	772.3	721.1	671.4	694.2	736.5
62.5°	677.9	623.4	583.4	605.4	641.2
65°	583.4	538.5	507.7	524.5	559.8
67.5°	497.0	466.8	445.8	453.8	482.2
70°	418.9	399.9	388.7	391.0	407.3
72.5°	344.6	339.8	335.7	335.7	337.2
75°	280.3	282.7	285.1	281.2	274.7
77.5°	220.8	228.8	234.7	226.5	218.5
80°	162.2	175.2	182.6	173.5	161.3
82.5°	110.7	125.5	127.9	122.3	108.3
85°	61.0	71.6	72.5	70.2	61.0
87.5°	22.8	26.9	29.3	26.9	23.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)