

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: P1050185

Luminaire Tested: PTR-14-70-PC3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050185
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-L930-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

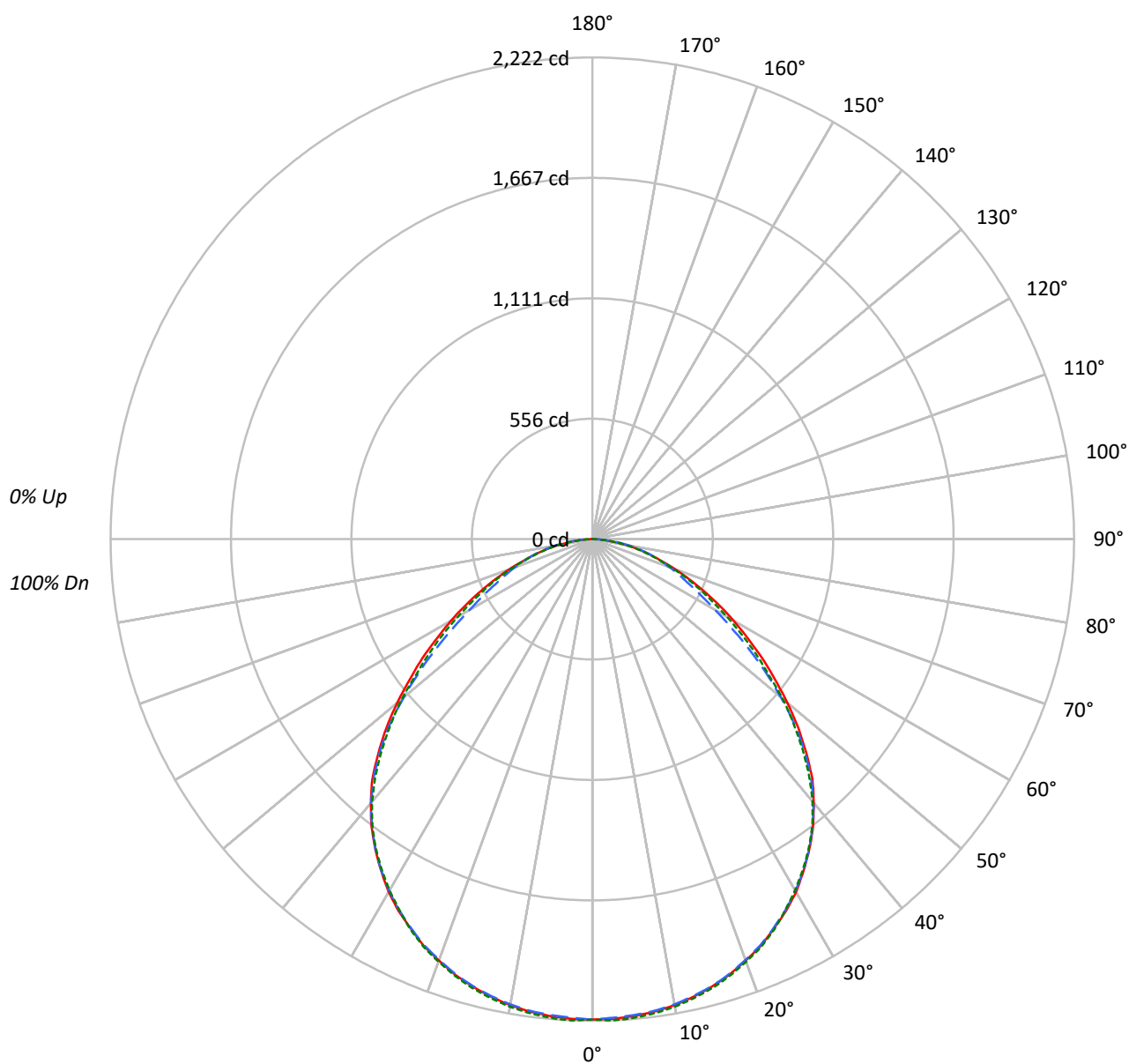
Lumens per Lamp: N/A
Luminaire Lumens: 5587.2 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	5964	5964	5964
5°	5965	5954	5989
10°	5965	5954	5986
15°	5951	5945	5971
20°	5924	5915	5941
25°	5884	5875	5898
30°	5840	5820	5811
35°	5734	5729	5718
40°	5583	5574	5549
45°	5309	5270	5216
50°	4914	4749	4802
55°	4485	4121	4306
60°	4044	3515	3856
65°	3614	3145	3468
70°	3206	2975	3118
75°	2835	2883	2779
80°	2445	2754	2433
85°	1831	2180	1831

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 5321 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.2	3.8
10°-20°	603.3	10.8
20°-30°	913.5	16.3
30°-40°	1089.1	19.5
40°-50°	1064.1	19.0
50°-60°	813.7	14.6
60°-70°	522.4	9.4
70°-80°	290.6	5.2
80°-90°	80.3	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°	1727.0	30.9
0°-40°	2816.1	50.4
0°-60°	4693.9	84.0
0°-90°	5587.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5587.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2216	2216	2216	2216	2216	
5°	2208	2210	2204	2215	2217	210
15°	2136	2138	2134	2141	2143	603
25°	1982	1984	1979	1985	1986	914
35°	1746	1747	1744	1743	1741	1090
45°	1395	1398	1385	1382	1371	1073
55°	956	923	878	889	918	854
65°	568	524	494	510	545	566
75°	273	275	277	274	267	291
85°	59	70	71	68	59	73
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2216.2	2216.2	2216.2	2216.2	2216.2
2.5°	2214.7	2215.6	2209.8	2219.3	2222.5
5°	2208.4	2209.8	2204.3	2214.7	2217.0
7.5°	2198.9	2200.3	2194.8	2205.2	2206.1
10°	2183.0	2183.9	2179.0	2189.4	2190.8
12.5°	2161.7	2164.0	2158.6	2168.1	2168.6
15°	2136.1	2137.8	2133.8	2141.0	2143.3
17.5°	2106.1	2107.0	2103.0	2110.7	2111.6
20°	2068.7	2068.7	2065.5	2074.5	2074.5
22.5°	2030.7	2028.4	2027.5	2030.7	2035.6
25°	1981.7	1984.0	1978.6	1984.9	1986.3
27.5°	1934.2	1934.2	1929.3	1932.5	1928.4
30°	1879.5	1876.3	1873.1	1873.7	1870.0
32.5°	1813.5	1813.5	1812.1	1812.1	1807.2
35°	1745.6	1747.0	1743.8	1743.0	1740.7
37.5°	1672.4	1675.0	1669.2	1667.8	1666.1
40°	1589.2	1589.2	1586.9	1583.7	1579.7
42.5°	1502.8	1502.8	1492.7	1484.6	1479.2
45°	1395.1	1398.2	1384.7	1381.5	1370.6
47.5°	1287.9	1285.6	1267.5	1265.2	1258.8
50°	1173.9	1160.3	1134.4	1141.3	1147.1
52.5°	1059.8	1043.1	1005.1	1012.9	1022.4
55°	955.9	922.7	878.4	889.3	917.9
57.5°	847.3	802.9	758.6	779.3	814.7
60°	751.4	701.6	653.2	675.4	716.5
62.5°	659.5	606.5	567.6	589.0	623.8
65°	567.6	523.9	493.9	510.3	544.6
67.5°	483.6	454.2	433.7	441.5	469.2
70°	407.5	389.1	378.1	380.4	396.3
72.5°	335.2	330.6	326.6	326.6	328.0
75°	272.7	275.0	277.3	273.6	267.3
77.5°	214.8	222.6	228.4	220.3	212.5
80°	157.8	170.5	177.7	168.8	157.0
82.5°	107.7	122.1	124.4	118.9	105.4
85°	59.3	69.7	70.6	68.3	59.3
87.5°	22.2	26.2	28.5	26.2	23.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)