

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: P1050136

Luminaire Tested: PTR-14-70-PB1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050136
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-L930-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

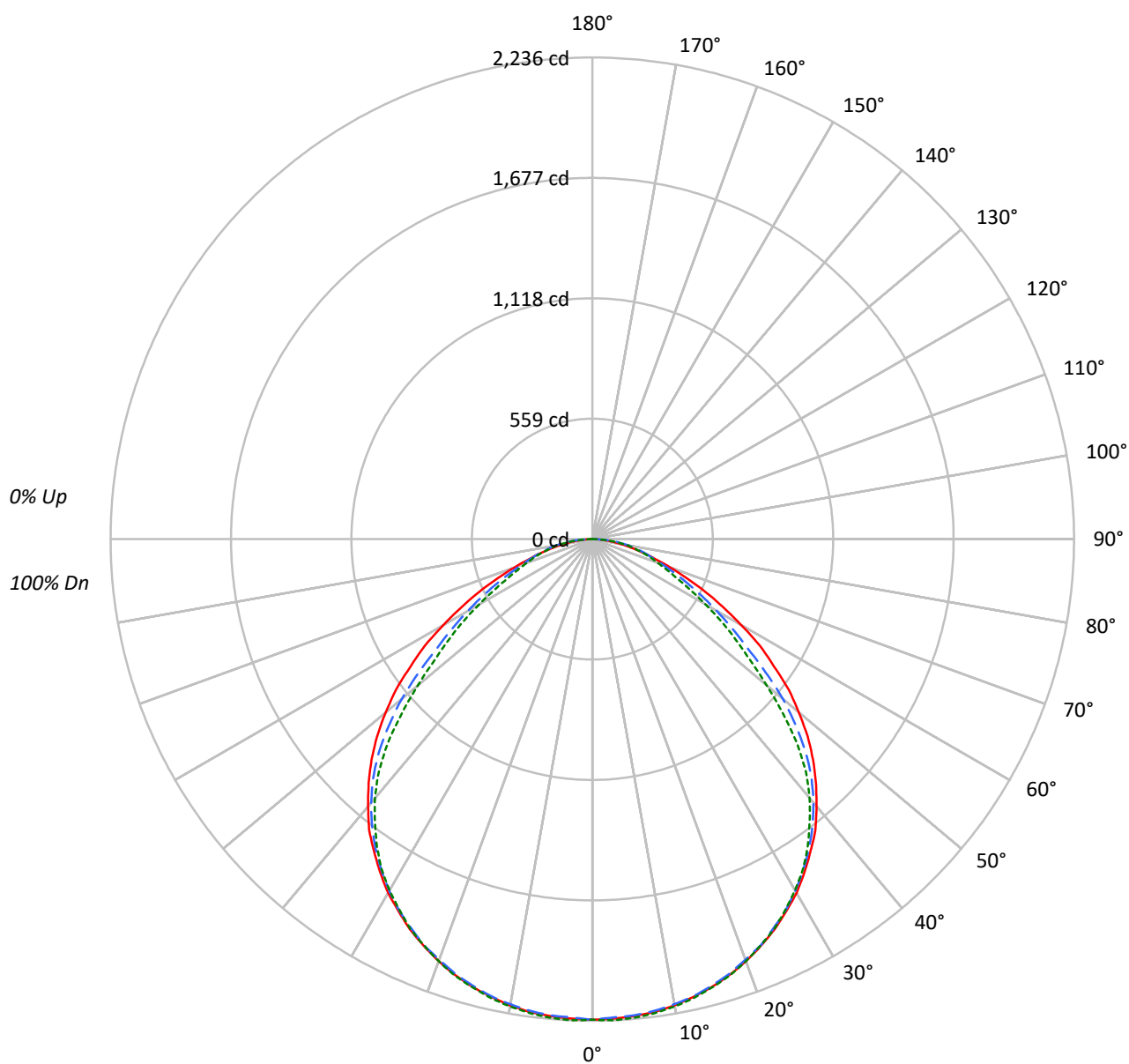
Lumens per Lamp: N/A
Luminaire Lumens: 5562.2 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	6003	6003	6003
5°	6003	5996	6026
10°	6005	5990	6020
15°	5993	5978	6000
20°	5971	5948	5971
25°	5939	5914	5930
30°	5891	5857	5848
35°	5804	5760	5724
40°	5687	5610	5513
45°	5513	5335	5116
50°	5238	4836	4422
55°	4827	4107	3810
60°	4297	3589	3263
65°	3687	3110	2779
70°	3043	2742	2548
75°	2567	2623	2483
80°	2170	2678	2554
85°	1698	2714	2374

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5513 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.5	3.8
10°-20°	606.9	10.9
20°-30°	919.3	16.5
30°-40°	1095.4	19.7
40°-50°	1071.2	19.3
50°-60°	810.2	14.6
60°-70°	497.8	8.9
70°-80°	265.2	4.8
80°-90°	84.6	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°	1737.7	31.2
0°-40°	2833.1	50.9
0°-60°	4714.6	84.8
0°-90°	5562.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5562.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2231	2231	2231	2231	2231	
5°	2222	2225	2220	2228	2231	211
15°	2151	2154	2146	2154	2154	607
25°	2000	1997	1992	1995	1997	921
35°	1767	1764	1753	1745	1742	1105
45°	1449	1440	1402	1355	1344	1114
55°	1029	977	875	826	812	921
65°	579	532	488	450	436	576
75°	247	250	252	244	239	265
85°	55	71	88	82	77	66
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2230.7	2230.7	2230.7	2230.7	2230.7
2.5°	2228.1	2230.7	2222.3	2233.5	2236.1
5°	2222.3	2225.2	2219.7	2228.1	2230.7
7.5°	2214.2	2214.2	2208.8	2216.8	2219.7
10°	2197.8	2197.8	2192.3	2200.4	2203.3
12.5°	2175.9	2175.9	2173.0	2178.5	2181.4
15°	2151.2	2153.7	2145.7	2153.7	2153.7
17.5°	2120.9	2118.3	2115.4	2120.9	2123.8
20°	2085.2	2085.2	2077.1	2082.6	2085.2
22.5°	2044.0	2044.0	2041.4	2044.0	2041.4
25°	2000.2	1997.3	1991.9	1994.7	1997.3
27.5°	1948.1	1948.1	1942.6	1942.6	1939.7
30°	1895.9	1893.1	1885.0	1879.5	1882.1
32.5°	1832.9	1830.0	1821.9	1816.4	1819.0
35°	1766.9	1764.3	1753.4	1745.0	1742.4
37.5°	1701.2	1692.9	1679.0	1668.1	1657.1
40°	1618.8	1610.5	1596.9	1572.2	1569.3
42.5°	1536.5	1528.4	1506.2	1476.3	1467.9
45°	1448.6	1440.5	1401.9	1355.3	1344.3
47.5°	1355.3	1341.7	1281.2	1223.6	1201.7
50°	1251.3	1226.5	1155.1	1081.0	1056.3
52.5°	1149.6	1105.8	1012.5	946.5	922.0
55°	1028.9	976.8	875.4	825.8	812.0
57.5°	922.0	850.6	768.2	719.0	708.0
60°	798.5	732.5	666.8	622.8	606.3
62.5°	685.8	628.2	573.5	534.9	515.9
65°	579.0	532.3	488.5	449.9	436.4
67.5°	474.7	449.9	414.2	384.3	375.9
70°	386.8	373.0	348.5	334.7	323.8
72.5°	307.3	312.8	296.4	290.9	282.6
75°	246.9	249.7	252.3	244.3	238.8
77.5°	186.7	200.2	211.1	205.7	200.2
80°	140.0	153.5	172.8	164.8	164.8
82.5°	95.9	112.6	129.0	123.6	120.7
85°	55.0	71.4	87.9	82.4	76.9
87.5°	21.9	35.7	38.3	38.3	35.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)