

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: P1050124

Luminaire Tested: PTR-14-70-PB1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050124
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-L830-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

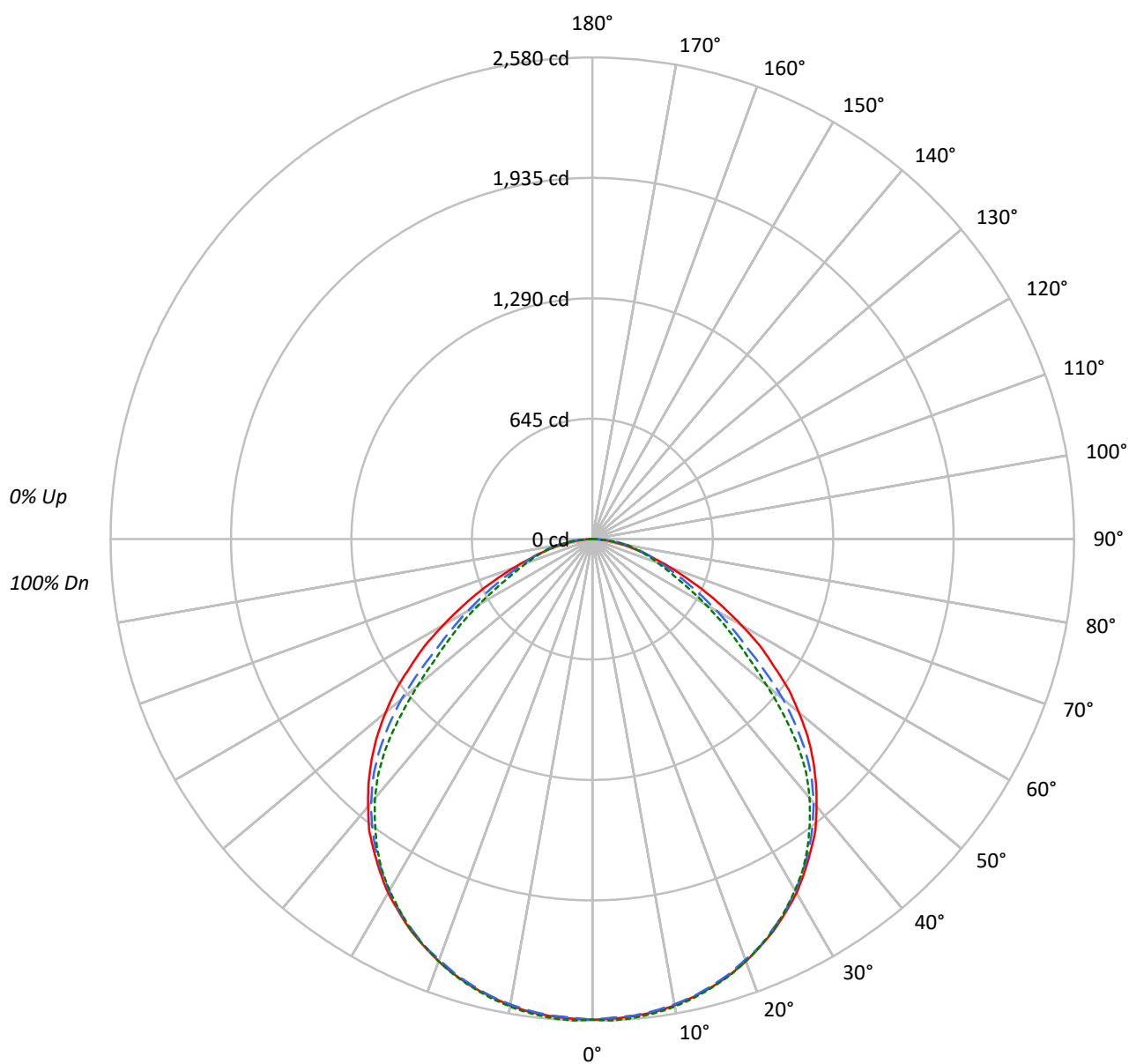
Lumens per Lamp: N/A
Luminaire Lumens: 6418.6 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	6927	6927	6927
5°	6927	6919	6953
10°	6930	6913	6947
15°	6915	6898	6924
20°	6891	6864	6891
25°	6853	6825	6843
30°	6798	6759	6749
35°	6698	6647	6605
40°	6562	6473	6361
45°	6361	6157	5904
50°	6045	5580	5103
55°	5570	4739	4396
60°	4959	4141	3766
65°	4254	3589	3207
70°	3512	3164	2939
75°	2962	3028	2865
80°	2503	3090	2946
85°	1961	3131	2739

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6361 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.1	3.8
10°-20°	700.3	10.9
20°-30°	1060.9	16.5
30°-40°	1264.1	19.7
40°-50°	1236.1	19.3
50°-60°	935.0	14.6
60°-70°	574.4	8.9
70°-80°	306.0	4.8
80°-90°	97.6	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°	2005.2	31.2
0°-40°	3269.3	50.9
0°-60°	5440.4	84.8
0°-90°	6418.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6418.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2574	2574	2574	2574	2574	
5°	2564	2568	2561	2571	2574	244
15°	2482	2485	2476	2485	2485	701
25°	2308	2305	2298	2302	2305	1063
35°	2039	2036	2023	2014	2011	1275
45°	1672	1662	1618	1564	1551	1286
55°	1187	1127	1010	953	937	1063
65°	668	614	564	519	504	665
75°	285	288	291	282	276	305
85°	64	82	101	95	89	76
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2574.1	2574.1	2574.1	2574.1	2574.1
2.5°	2571.1	2574.1	2564.4	2577.4	2580.4
5°	2564.4	2567.8	2561.4	2571.1	2574.1
7.5°	2555.1	2555.1	2548.8	2558.1	2561.4
10°	2536.2	2536.2	2529.9	2539.2	2542.5
12.5°	2510.9	2510.9	2507.6	2513.9	2517.2
15°	2482.3	2485.3	2476.0	2485.3	2485.3
17.5°	2447.4	2444.4	2441.1	2447.4	2450.7
20°	2406.2	2406.2	2396.9	2403.2	2406.2
22.5°	2358.7	2358.7	2355.7	2358.7	2355.7
25°	2308.2	2304.8	2298.5	2301.8	2304.8
27.5°	2248.0	2248.0	2241.7	2241.7	2238.3
30°	2187.8	2184.5	2175.2	2168.9	2171.9
32.5°	2115.0	2111.7	2102.4	2096.1	2099.1
35°	2038.9	2035.9	2023.3	2013.6	2010.7
37.5°	1963.1	1953.5	1937.5	1924.9	1912.3
40°	1868.1	1858.4	1842.8	1814.2	1810.9
42.5°	1773.0	1763.7	1738.1	1703.5	1693.9
45°	1671.6	1662.3	1617.8	1563.9	1551.3
47.5°	1563.9	1548.3	1478.5	1412.0	1386.8
50°	1443.9	1415.3	1332.9	1247.5	1218.9
52.5°	1326.6	1276.1	1168.4	1092.2	1064.0
55°	1187.3	1127.2	1010.1	953.0	937.0
57.5°	1064.0	981.6	886.5	829.7	817.0
60°	921.4	845.3	769.5	718.6	699.7
62.5°	791.4	725.0	661.8	617.3	595.3
65°	668.1	614.3	563.7	519.2	503.6
67.5°	547.8	519.2	478.0	443.4	433.8
70°	446.4	430.5	402.2	386.2	373.6
72.5°	354.7	361.0	342.0	335.7	326.1
75°	284.9	288.2	291.2	281.9	275.6
77.5°	215.4	231.0	243.6	237.3	231.0
80°	161.5	177.2	199.4	190.1	190.1
82.5°	110.7	130.0	148.9	142.6	139.3
85°	63.5	82.4	101.4	95.1	88.7
87.5°	25.3	41.2	44.2	44.2	41.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)