

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: P1050173

Luminaire Tested: PTR-14-70-PC3-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050173
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-L830-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

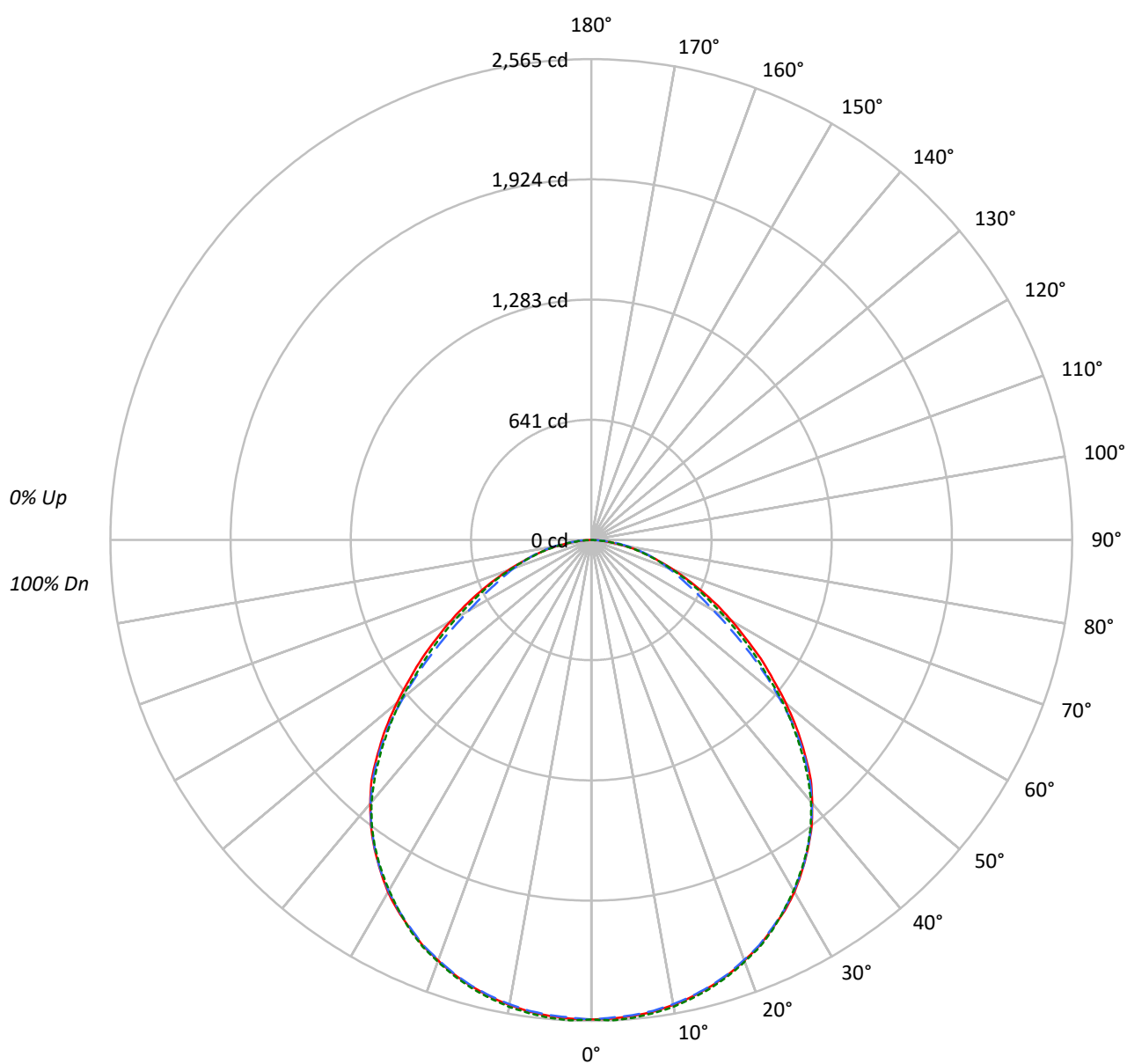
Lumens per Lamp: N/A
Luminaire Lumens: 6447.4 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	87	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	72
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6882	6882	6882
5°	6884	6871	6911
10°	6883	6871	6908
15°	6867	6860	6890
20°	6836	6826	6855
25°	6790	6779	6806
30°	6739	6716	6705
35°	6617	6611	6598
40°	6442	6433	6404
45°	6126	6081	6019
50°	5671	5480	5542
55°	5175	4755	4969
60°	4667	4056	4450
65°	4171	3629	4001
70°	3700	3434	3598
75°	3272	3327	3206
80°	2822	3178	2806
85°	2115	2513	2115

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 6140 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.6	3.8
10°-20°	696.2	10.8
20°-30°	1054.1	16.3
30°-40°	1256.7	19.5
40°-50°	1228.0	19.0
50°-60°	939.0	14.6
60°-70°	602.8	9.4
70°-80°	335.4	5.2
80°-90°	92.6	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°	1992.9	30.9
0°-40°	3249.6	50.4
0°-60°	5416.5	84.0
0°-90°	6447.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6447.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2557	2557	2557	2557	2557	
5°	2548	2550	2544	2556	2558	242
15°	2465	2467	2462	2471	2473	696
25°	2287	2290	2283	2290	2292	1055
35°	2014	2016	2012	2011	2009	1258
45°	1610	1614	1598	1594	1582	1239
55°	1103	1065	1014	1026	1059	986
65°	655	604	570	589	628	653
75°	315	317	320	316	308	336
85°	68	80	81	79	68	84
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2557.3	2557.3	2557.3	2557.3	2557.3
2.5°	2555.7	2556.7	2550.0	2561.0	2564.6
5°	2548.4	2550.0	2543.7	2555.7	2558.3
7.5°	2537.4	2539.1	2532.7	2544.7	2545.7
10°	2519.1	2520.1	2514.5	2526.4	2528.1
12.5°	2494.5	2497.2	2490.9	2501.8	2502.5
15°	2464.9	2466.9	2462.3	2470.6	2473.3
17.5°	2430.4	2431.4	2426.7	2435.7	2436.7
20°	2387.2	2387.2	2383.5	2393.8	2393.8
22.5°	2343.3	2340.6	2339.7	2343.3	2349.0
25°	2286.8	2289.5	2283.2	2290.5	2292.1
27.5°	2232.0	2232.0	2226.3	2230.0	2225.3
30°	2168.8	2165.2	2161.5	2162.2	2157.9
32.5°	2092.7	2092.7	2091.1	2091.1	2085.4
35°	2014.3	2016.0	2012.3	2011.3	2008.6
37.5°	1929.9	1932.9	1926.2	1924.6	1922.6
40°	1833.8	1833.8	1831.2	1827.5	1822.9
42.5°	1734.1	1734.1	1722.5	1713.2	1706.9
45°	1609.8	1613.5	1597.9	1594.2	1581.6
47.5°	1486.2	1483.6	1462.6	1460.0	1452.6
50°	1354.6	1339.0	1309.1	1317.1	1323.7
52.5°	1223.0	1203.7	1159.9	1168.8	1179.8
55°	1103.0	1064.8	1013.6	1026.3	1059.2
57.5°	977.7	926.6	875.4	899.3	940.2
60°	867.1	809.6	753.7	779.3	826.9
62.5°	761.1	699.9	655.0	679.6	719.8
65°	655.0	604.5	570.0	588.9	628.4
67.5°	558.0	524.1	500.5	509.5	541.4
70°	470.3	449.0	436.4	439.0	457.3
72.5°	386.8	381.5	376.9	376.9	378.5
75°	314.7	317.4	320.0	315.7	308.4
77.5°	247.9	256.9	263.5	254.2	245.3
80°	182.1	196.7	205.1	194.7	181.1
82.5°	124.3	140.9	143.6	137.3	121.6
85°	68.5	80.4	81.4	78.8	68.5
87.5°	25.6	30.2	32.9	30.2	26.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)