

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: P1050179

Luminaire Tested: PTR-14-70-PC3-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050179
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-L840-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

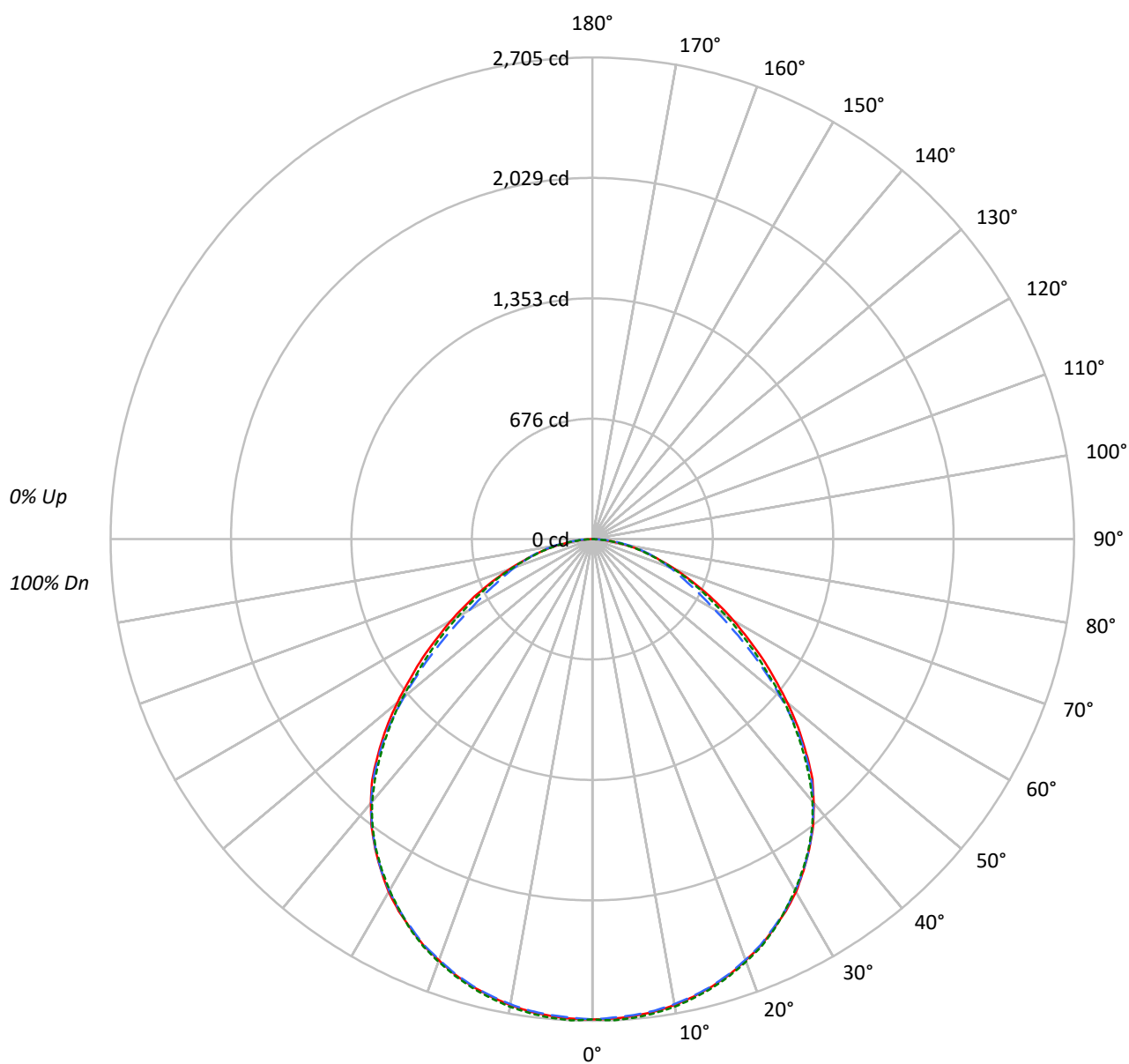
Lumens per Lamp: N/A
Luminaire Lumens: 6800.7 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	7259	7259	7259
5°	7261	7248	7289
10°	7261	7247	7286
15°	7243	7236	7268
20°	7211	7200	7231
25°	7162	7151	7179
30°	7109	7085	7072
35°	6980	6973	6960
40°	6795	6785	6754
45°	6462	6414	6349
50°	5982	5781	5845
55°	5459	5016	5241
60°	4922	4279	4694
65°	4399	3828	4221
70°	3902	3622	3795
75°	3452	3510	3382
80°	2977	3352	2960
85°	2229	2652	2229

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 6477 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.8	3.8
10°-20°	734.4	10.8
20°-30°	1111.9	16.3
30°-40°	1325.6	19.5
40°-50°	1295.2	19.0
50°-60°	990.4	14.6
60°-70°	635.9	9.4
70°-80°	353.8	5.2
80°-90°	97.7	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°	2102.1	30.9
0°-40°	3427.7	50.4
0°-60°	5713.3	84.0
0°-90°	6800.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6800.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2698	2698	2698	2698	2698	
5°	2688	2690	2683	2696	2698	256
15°	2600	2602	2597	2606	2609	734
25°	2412	2415	2408	2416	2418	1112
35°	2125	2126	2123	2122	2119	1327
45°	1698	1702	1685	1682	1668	1307
55°	1164	1123	1069	1082	1117	1040
65°	691	638	601	621	663	689
75°	332	335	338	333	325	355
85°	72	85	86	83	72	89
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2697.5	2697.5	2697.5	2697.5	2697.5
2.5°	2695.7	2696.8	2689.7	2701.3	2705.2
5°	2688.0	2689.7	2683.1	2695.7	2698.5
7.5°	2676.4	2678.2	2671.5	2684.1	2685.2
10°	2657.1	2658.2	2652.2	2664.9	2666.6
12.5°	2631.2	2634.0	2627.4	2638.9	2639.6
15°	2600.0	2602.1	2597.2	2606.0	2608.8
17.5°	2563.6	2564.6	2559.7	2569.2	2570.2
20°	2518.0	2518.0	2514.1	2525.0	2525.0
22.5°	2471.7	2468.9	2467.9	2471.7	2477.7
25°	2412.1	2414.9	2408.3	2416.0	2417.7
27.5°	2354.3	2354.3	2348.3	2352.2	2347.3
30°	2287.7	2283.8	2280.0	2280.7	2276.1
32.5°	2207.4	2207.4	2205.6	2205.6	2199.7
35°	2124.7	2126.4	2122.6	2121.5	2118.7
37.5°	2035.6	2038.8	2031.8	2030.0	2027.9
40°	1934.3	1934.3	1931.5	1927.7	1922.8
42.5°	1829.2	1829.2	1816.9	1807.1	1800.4
45°	1698.0	1701.9	1685.4	1681.6	1668.3
47.5°	1567.6	1564.8	1542.8	1540.0	1532.2
50°	1428.8	1412.4	1380.8	1389.2	1396.2
52.5°	1290.0	1269.7	1223.4	1232.9	1244.4
55°	1163.5	1123.2	1069.2	1082.5	1117.2
57.5°	1031.3	977.3	923.3	948.6	991.7
60°	914.6	853.9	795.0	822.0	872.2
62.5°	802.8	738.3	690.9	716.9	759.3
65°	690.9	637.6	601.2	621.2	662.9
67.5°	588.6	552.8	527.9	537.4	571.0
70°	496.0	473.6	460.3	463.1	482.4
72.5°	408.0	402.4	397.5	397.5	399.3
75°	332.0	334.8	337.6	333.0	325.3
77.5°	261.5	271.0	278.0	268.2	258.7
80°	192.1	207.5	216.3	205.4	191.0
82.5°	131.1	148.6	151.4	144.8	128.3
85°	72.2	84.8	85.9	83.1	72.2
87.5°	27.0	31.9	34.7	31.9	28.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)