

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: P1050130

Luminaire Tested: PTR-14-70-PB1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050130
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-L840-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

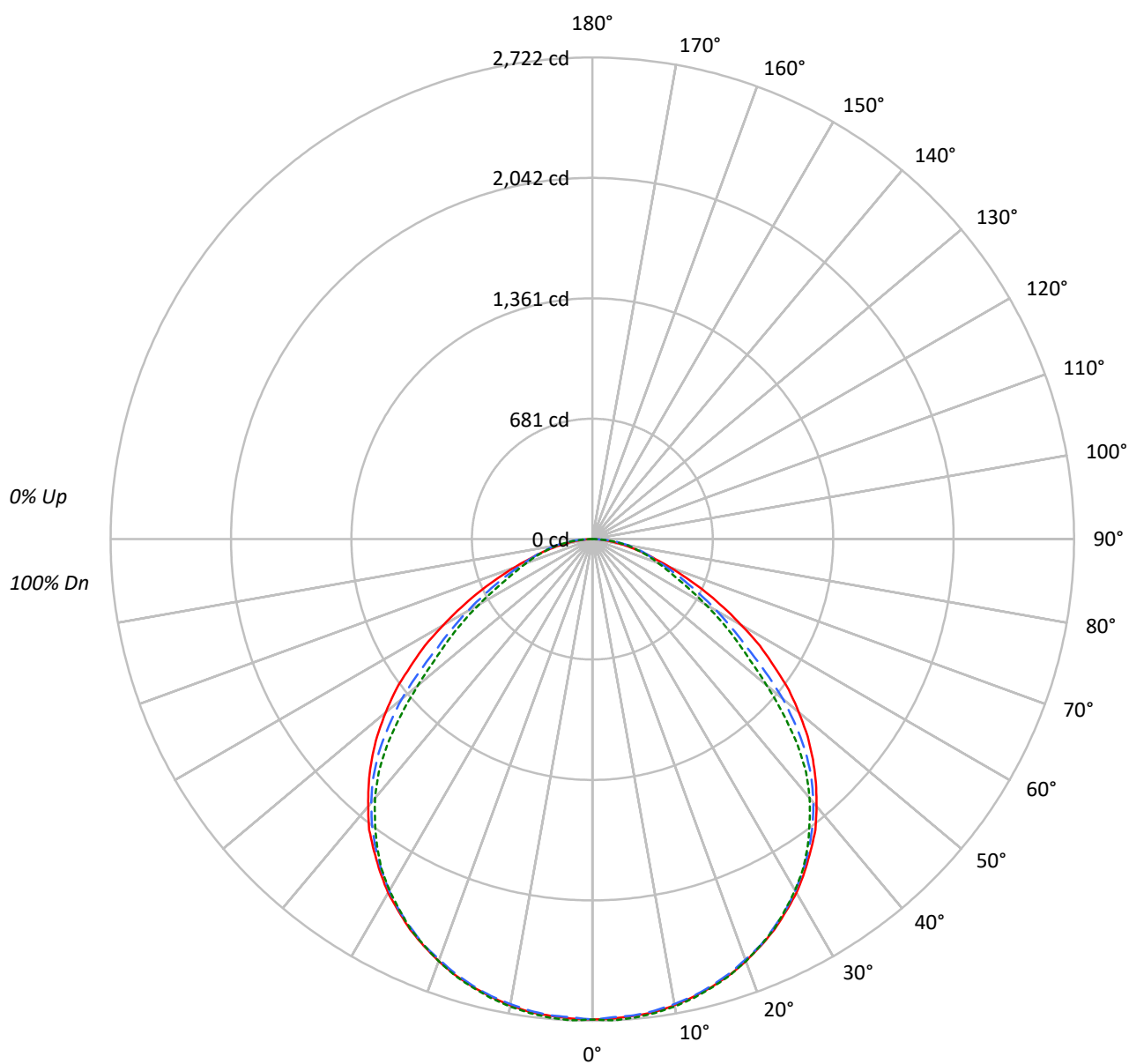
Lumens per Lamp: N/A
Luminaire Lumens: 6769.9 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	93	90	91	89	88	88	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	75	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	64	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	56	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	49	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	44	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	39	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	35	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	32	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7306	7306	7306
5°	7306	7298	7334
10°	7309	7291	7328
15°	7294	7275	7303
20°	7268	7240	7268
25°	7228	7198	7218
30°	7170	7129	7118
35°	7065	7010	6967
40°	6921	6828	6709
45°	6710	6494	6227
50°	6376	5886	5382
55°	5875	4998	4637
60°	5230	4368	3972
65°	4487	3786	3382
70°	3704	3338	3101
75°	3124	3193	3021
80°	2641	3261	3107
85°	2069	3301	2890

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6710 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.4	3.8
10°-20°	738.7	10.9
20°-30°	1118.9	16.5
30°-40°	1333.3	19.7
40°-50°	1303.8	19.3
50°-60°	986.2	14.6
60°-70°	605.9	8.9
70°-80°	322.8	4.8
80°-90°	103.0	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°	2115.0	31.2
0°-40°	3448.3	50.9
0°-60°	5738.2	84.8
0°-90°	6769.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6769.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2715	2715	2715	2715	2715	
5°	2705	2708	2702	2712	2715	257
15°	2618	2621	2612	2621	2621	739
25°	2434	2431	2424	2428	2431	1121
35°	2150	2147	2134	2124	2121	1345
45°	1763	1753	1706	1650	1636	1356
55°	1252	1189	1065	1005	988	1121
65°	705	648	595	548	531	701
75°	300	304	307	297	291	322
85°	67	87	107	100	94	80
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2715.0	2715.0	2715.0	2715.0	2715.0
2.5°	2711.8	2715.0	2704.8	2718.5	2721.6
5°	2704.8	2708.3	2701.7	2711.8	2715.0
7.5°	2695.0	2695.0	2688.3	2698.1	2701.7
10°	2675.0	2675.0	2668.3	2678.2	2681.7
12.5°	2648.4	2648.4	2644.9	2651.5	2655.0
15°	2618.2	2621.4	2611.5	2621.4	2621.4
17.5°	2581.4	2578.2	2574.7	2581.4	2584.9
20°	2537.9	2537.9	2528.1	2534.8	2537.9
22.5°	2487.8	2487.8	2484.6	2487.8	2484.6
25°	2434.5	2431.0	2424.3	2427.8	2431.0
27.5°	2371.0	2371.0	2364.4	2364.4	2360.9
30°	2307.6	2304.1	2294.3	2287.6	2290.8
32.5°	2230.8	2227.3	2217.5	2210.8	2214.0
35°	2150.5	2147.4	2134.0	2123.9	2120.7
37.5°	2070.6	2060.4	2043.6	2030.3	2016.9
40°	1970.3	1960.2	1943.7	1913.5	1910.0
42.5°	1870.1	1860.2	1833.2	1796.8	1786.6
45°	1763.1	1753.3	1706.3	1649.5	1636.2
47.5°	1649.5	1633.1	1559.4	1489.3	1462.7
50°	1523.0	1492.8	1405.9	1315.8	1285.6
52.5°	1399.2	1345.9	1232.3	1152.0	1122.2
55°	1252.3	1188.9	1065.4	1005.1	988.3
57.5°	1122.2	1035.3	935.0	875.1	861.8
60°	971.8	891.6	811.6	758.0	738.0
62.5°	834.8	764.6	698.0	651.0	627.9
65°	704.7	647.9	594.6	547.6	531.1
67.5°	577.8	547.6	504.1	467.7	457.5
70°	470.8	454.0	424.2	407.4	394.1
72.5°	374.1	380.7	360.8	354.1	343.9
75°	300.5	304.0	307.1	297.3	290.6
77.5°	227.2	243.7	257.0	250.3	243.7
80°	170.4	186.9	210.4	200.5	200.5
82.5°	116.7	137.1	157.1	150.4	146.9
85°	67.0	86.9	106.9	100.3	93.6
87.5°	26.6	43.5	46.6	46.6	43.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)