

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: P1050081

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050081
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-70-L840-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

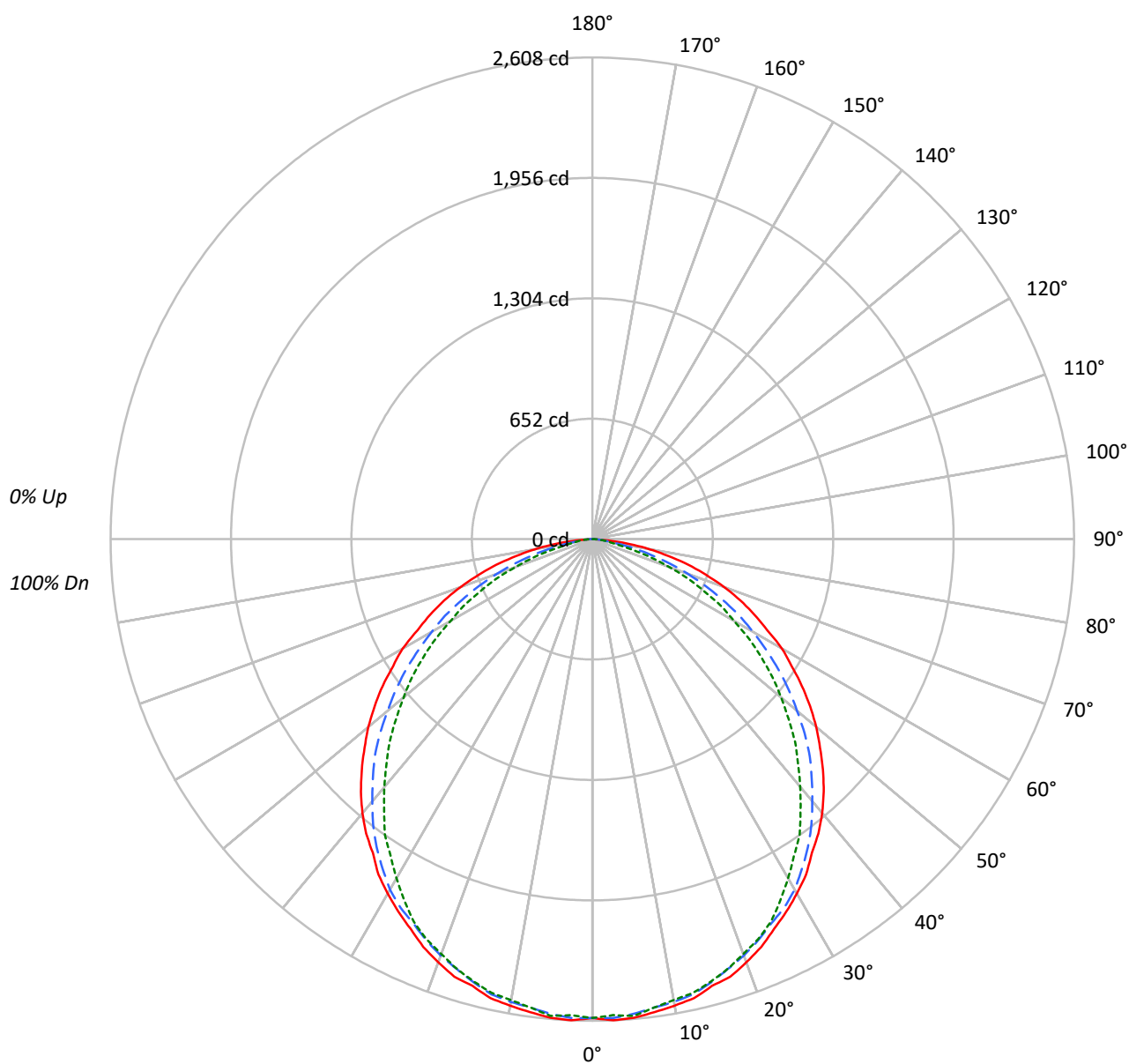
Lumens per Lamp: N/A
Luminaire Lumens: 6905.3 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6976	6976	6976
5°	7028	6970	6999
10°	7008	6953	6923
15°	6977	6921	6908
20°	6982	6871	6844
25°	6913	6812	6790
30°	6885	6808	6587
35°	6807	6685	6427
40°	6802	6509	6151
45°	6716	6340	5905
50°	6625	6056	5585
55°	6498	5773	5245
60°	6382	5401	4761
65°	6164	4955	4257
70°	5965	4312	3474
75°	5603	3403	2392
80°	4857	2058	1435
85°	3242	1479	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6716 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.7	3.6
10°-20°	703.2	10.2
20°-30°	1062.2	15.4
30°-40°	1262.9	18.3
40°-50°	1280.8	18.5
50°-60°	1112.2	16.1
60°-70°	789.5	11.4
70°-80°	377.3	5.5
80°-90°	71.5	1.0
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°	2011.1	29.1
0°-40°	3274.0	47.4
0°-60°	5667.0	82.1
0°-90°	6905.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6905.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2592	2592	2592	2592	2592	
5°	2602	2592	2580	2586	2591	247
15°	2504	2511	2484	2481	2480	709
25°	2328	2325	2294	2304	2287	1075
35°	2072	2069	2035	1966	1956	1302
45°	1765	1749	1666	1578	1552	1361
55°	1385	1343	1231	1158	1118	1238
65°	968	896	778	695	669	959
75°	539	440	327	259	230	565
85°	105	56	48	46	45	132
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2592.4	2592.4	2592.4	2592.4	2592.4
2.5°	2607.8	2598.6	2595.5	2606.3	2580.1
5°	2601.7	2592.4	2580.1	2586.2	2590.9
7.5°	2583.1	2575.4	2558.4	2572.3	2558.4
10°	2564.6	2556.9	2544.5	2549.2	2533.7
12.5°	2546.1	2527.6	2524.5	2527.6	2516.8
15°	2504.4	2510.6	2484.3	2481.2	2479.7
17.5°	2484.3	2468.9	2441.1	2442.6	2439.6
20°	2438.0	2419.5	2399.4	2396.3	2390.1
22.5°	2390.1	2368.5	2350.0	2359.3	2345.4
25°	2328.4	2325.3	2294.4	2303.7	2286.7
27.5°	2274.3	2263.5	2249.6	2229.6	2204.9
30°	2215.7	2204.9	2191.0	2138.5	2119.9
32.5°	2153.9	2141.6	2113.8	2052.0	2031.9
35°	2072.1	2069.0	2035.0	1965.5	1956.3
37.5°	2010.3	1976.3	1948.6	1877.5	1851.3
40°	1936.2	1917.7	1852.8	1784.9	1750.9
42.5°	1854.4	1832.8	1758.6	1686.1	1649.0
45°	1764.8	1749.4	1666.0	1578.0	1551.7
47.5°	1672.2	1658.3	1559.5	1474.5	1440.6
50°	1582.6	1565.6	1446.7	1364.9	1334.0
52.5°	1485.3	1457.6	1340.2	1259.9	1230.6
55°	1385.0	1343.3	1230.6	1158.0	1117.9
57.5°	1278.4	1239.8	1114.8	1039.1	1006.7
60°	1185.8	1131.8	1003.6	926.4	884.7
62.5°	1066.9	1020.6	898.6	807.5	787.4
65°	968.1	895.5	778.2	694.8	668.6
67.5°	867.7	782.8	663.9	579.0	565.1
70°	758.1	670.1	548.1	464.7	441.6
72.5°	646.9	560.5	441.6	353.6	339.7
75°	538.9	440.0	327.3	259.4	230.1
77.5°	421.5	332.0	230.1	159.0	140.5
80°	313.4	223.9	132.8	94.2	92.6
82.5°	205.4	129.7	71.0	72.6	69.5
85°	105.0	55.6	47.9	46.3	44.8
87.5°	20.1	21.6	23.2	23.2	23.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)