

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: P1050955

Luminaire Tested: 24PTR-60-PR1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050955
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-PR1-L840-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

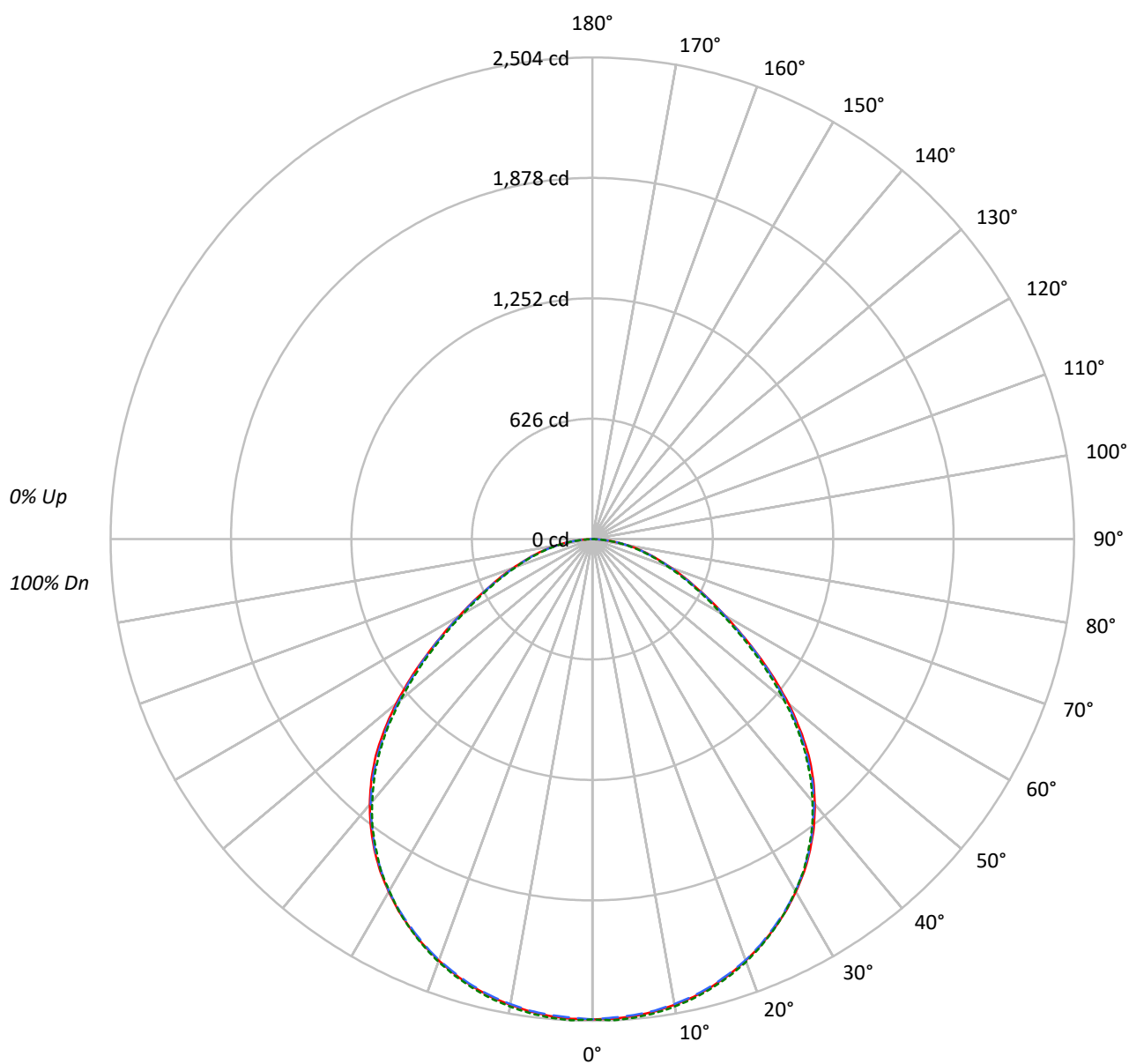
Lumens per Lamp: N/A
Luminaire Lumens: 6313.7 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51
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	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3359	3359	3359
5°	3362	3355	3373
10°	3359	3354	3372
15°	3353	3348	3364
20°	3339	3335	3348
25°	3317	3309	3321
30°	3288	3284	3280
35°	3243	3235	3222
40°	3161	3148	3126
45°	3029	2995	2973
50°	2787	2756	2721
55°	2466	2456	2408
60°	2143	2136	2078
65°	1889	1878	1840
70°	1714	1690	1655
75°	1587	1550	1521
80°	1448	1428	1381
85°	1144	1135	1088

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3029 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.8	3.8
10°-20°	679.7	10.8
20°-30°	1029.7	16.3
30°-40°	1229.3	19.5
40°-50°	1208.9	19.1
50°-60°	934.4	14.8
60°-70°	589.2	9.3
70°-80°	318.7	5.0
80°-90°	87.0	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°	1946.3	30.8
0°-40°	3175.5	50.3
0°-60°	5318.8	84.2
0°-90°	6313.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6313.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2496	2496	2496	2496	2496	
5°	2489	2490	2484	2495	2498	237
15°	2407	2408	2404	2411	2415	679
25°	2234	2236	2229	2236	2237	1030
35°	1974	1975	1970	1967	1961	1233
45°	1592	1586	1574	1562	1562	1219
55°	1051	1060	1047	1030	1026	943
65°	593	594	590	580	578	597
75°	305	302	298	300	293	324
85°	74	75	74	74	70	88
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2496.5	2496.5	2496.5	2496.5	2496.5
2.5°	2495.6	2496.5	2489.4	2501.1	2503.7
5°	2489.4	2490.4	2483.9	2494.6	2497.5
7.5°	2476.7	2478.7	2472.5	2483.2	2485.8
10°	2458.8	2460.8	2454.6	2465.3	2467.9
12.5°	2436.7	2437.4	2432.2	2441.9	2444.5
15°	2407.1	2407.8	2403.6	2411.4	2414.9
17.5°	2373.0	2374.0	2367.8	2377.6	2379.2
20°	2332.0	2332.7	2329.1	2337.2	2338.2
22.5°	2286.2	2288.1	2282.6	2289.8	2290.7
25°	2234.5	2236.1	2229.0	2236.1	2237.1
27.5°	2179.9	2180.5	2174.4	2179.9	2178.9
30°	2116.2	2121.7	2113.6	2111.6	2111.0
32.5°	2050.2	2050.8	2043.0	2041.1	2044.6
35°	1974.1	1974.7	1969.5	1966.9	1961.4
37.5°	1890.9	1890.9	1880.8	1879.2	1878.2
40°	1799.5	1798.5	1792.3	1786.2	1779.7
42.5°	1700.0	1702.0	1689.3	1678.6	1676.9
45°	1591.8	1585.6	1573.9	1561.5	1562.5
47.5°	1464.0	1465.6	1449.7	1439.6	1437.0
50°	1331.3	1331.3	1316.4	1305.7	1300.1
52.5°	1192.8	1193.8	1179.5	1165.2	1162.3
55°	1051.4	1060.2	1046.9	1030.0	1026.4
57.5°	919.1	926.2	913.6	895.7	894.7
60°	796.5	797.2	793.6	776.7	772.1
62.5°	691.8	687.3	685.3	676.6	671.0
65°	593.3	594.3	589.8	579.7	578.1
67.5°	513.7	512.7	504.6	498.4	494.8
70°	435.7	433.1	429.5	424.3	420.7
72.5°	366.1	366.1	363.2	361.5	355.3
75°	305.3	301.7	298.1	299.8	292.6
77.5°	247.1	243.5	240.6	237.0	235.4
80°	186.9	183.4	184.3	178.8	178.2
82.5°	129.7	129.7	128.1	123.5	124.5
85°	74.1	75.1	73.5	74.1	70.5
87.5°	27.0	27.6	29.6	27.6	27.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)