

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: P1050878

Luminaire Tested: 24PTR-60-PP3-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-PP3-L840-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

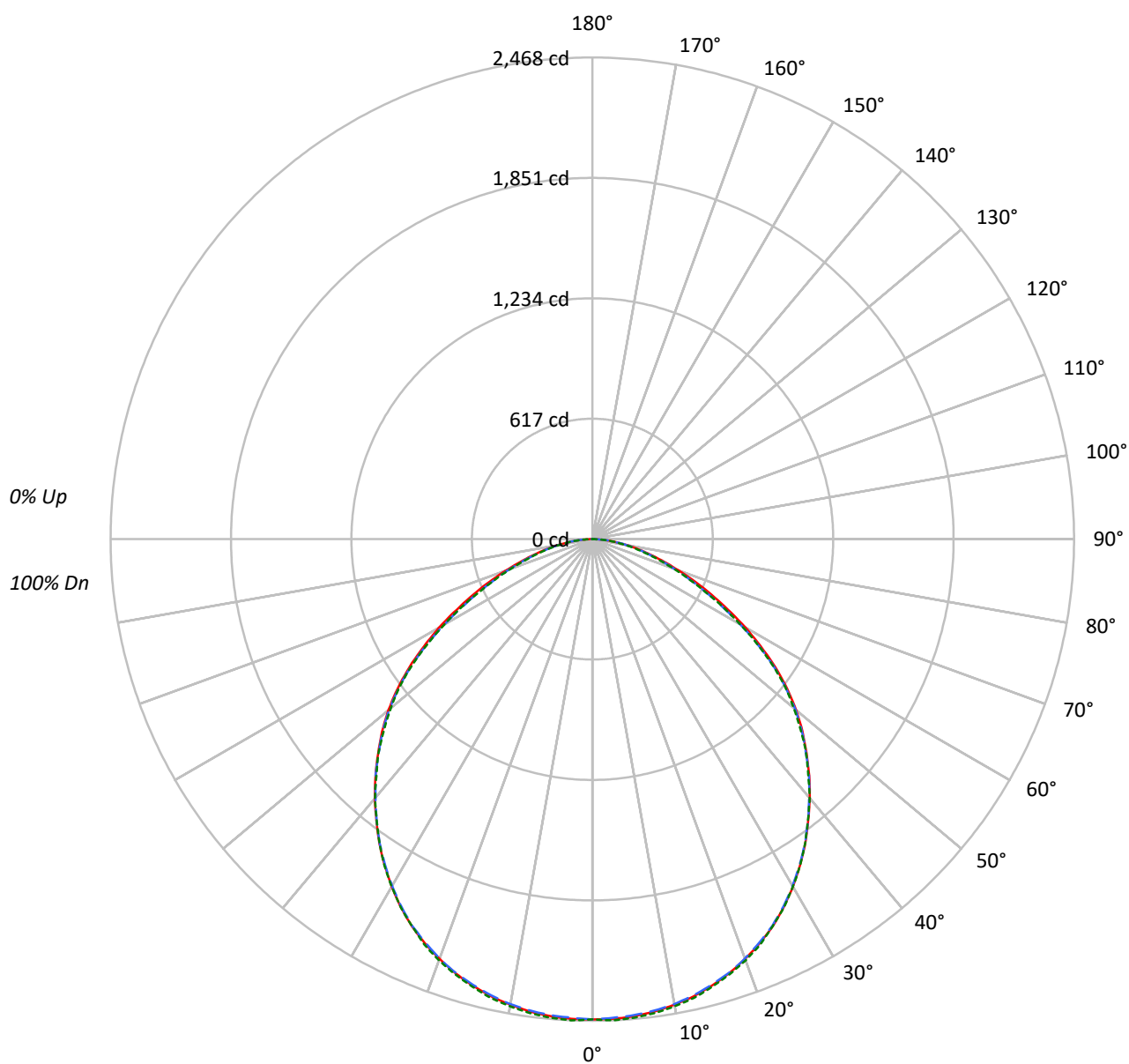
Lumens per Lamp: N/A
Luminaire Lumens: 6359.3 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3312	3312	3312
5°	3315	3307	3325
10°	3310	3305	3321
15°	3299	3293	3308
20°	3277	3274	3289
25°	3248	3243	3247
30°	3194	3187	3194
35°	3124	3120	3122
40°	3044	3034	3042
45°	2953	2944	2948
50°	2854	2840	2820
55°	2687	2655	2647
60°	2438	2356	2360
65°	2141	2034	2031
70°	1852	1768	1747
75°	1602	1542	1509
80°	1419	1399	1336
85°	1173	1213	1142

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2963 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.4	3.7
10°-20°	668.7	10.5
20°-30°	1006.7	15.8
30°-40°	1188.2	18.7
40°-50°	1195.0	18.8
50°-60°	1008.9	15.9
60°-70°	647.9	10.2
70°-80°	322.2	5.1
80°-90°	88.3	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°	1908.8	30.0
0°-40°	3097.0	48.7
0°-60°	5300.9	83.4
0°-90°	6359.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6359.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2461	2461	2461	2461	2461	
5°	2454	2455	2449	2460	2462	233
15°	2368	2369	2364	2375	2375	668
25°	2188	2189	2184	2189	2187	1007
35°	1902	1903	1899	1901	1901	1189
45°	1552	1557	1547	1549	1549	1198
55°	1145	1144	1132	1127	1128	1019
65°	673	663	639	632	638	671
75°	308	306	297	294	290	333
85°	76	79	79	74	74	89
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2461.3	2461.3	2461.3	2461.3	2461.3
2.5°	2460.3	2461.3	2454.8	2466.5	2468.4
5°	2454.1	2454.8	2448.6	2460.3	2461.9
7.5°	2441.5	2442.4	2436.9	2447.6	2449.6
10°	2422.6	2425.6	2419.1	2429.1	2430.8
12.5°	2399.6	2400.6	2394.1	2405.8	2407.7
15°	2368.4	2369.1	2363.9	2374.6	2374.6
17.5°	2332.4	2333.4	2329.8	2338.9	2337.9
20°	2288.9	2291.5	2286.9	2293.1	2296.7
22.5°	2241.5	2242.5	2237.0	2245.1	2248.6
25°	2187.9	2188.6	2184.4	2188.6	2187.0
27.5°	2125.3	2126.9	2120.7	2125.3	2126.3
30°	2055.5	2060.0	2051.3	2054.8	2055.5
32.5°	1980.5	1983.1	1976.9	1977.9	1982.5
35°	1902.0	1902.9	1899.4	1901.0	1901.0
37.5°	1817.2	1820.8	1815.3	1817.9	1814.3
40°	1733.1	1729.6	1727.6	1729.6	1732.2
42.5°	1644.5	1645.5	1642.9	1641.0	1636.7
45°	1551.7	1557.2	1547.1	1549.1	1549.1
47.5°	1460.8	1461.4	1456.2	1450.7	1447.2
50°	1363.4	1363.4	1356.9	1352.7	1347.2
52.5°	1256.9	1255.3	1248.2	1243.6	1246.2
55°	1145.3	1144.3	1132.0	1127.4	1128.4
57.5°	1022.9	1024.8	1006.0	1001.5	1001.5
60°	906.0	896.9	875.5	869.3	877.1
62.5°	783.3	772.6	749.5	749.5	755.7
65°	672.6	662.9	638.9	632.4	637.9
67.5°	569.1	560.0	537.9	534.3	535.9
70°	470.7	462.9	449.3	441.2	444.1
72.5°	386.0	378.8	369.7	363.6	360.0
75°	308.1	306.4	296.7	293.8	290.2
77.5°	243.8	243.1	235.0	231.5	227.9
80°	183.1	182.1	180.5	175.0	172.4
82.5°	130.5	130.5	129.5	125.0	122.4
85°	76.0	78.6	78.6	74.0	74.0
87.5°	30.5	32.1	30.5	30.5	29.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)