

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: P1050658

Luminaire Tested: 24PTR-60-PC3-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050658
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: 24PTR-60-PC3-L850-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

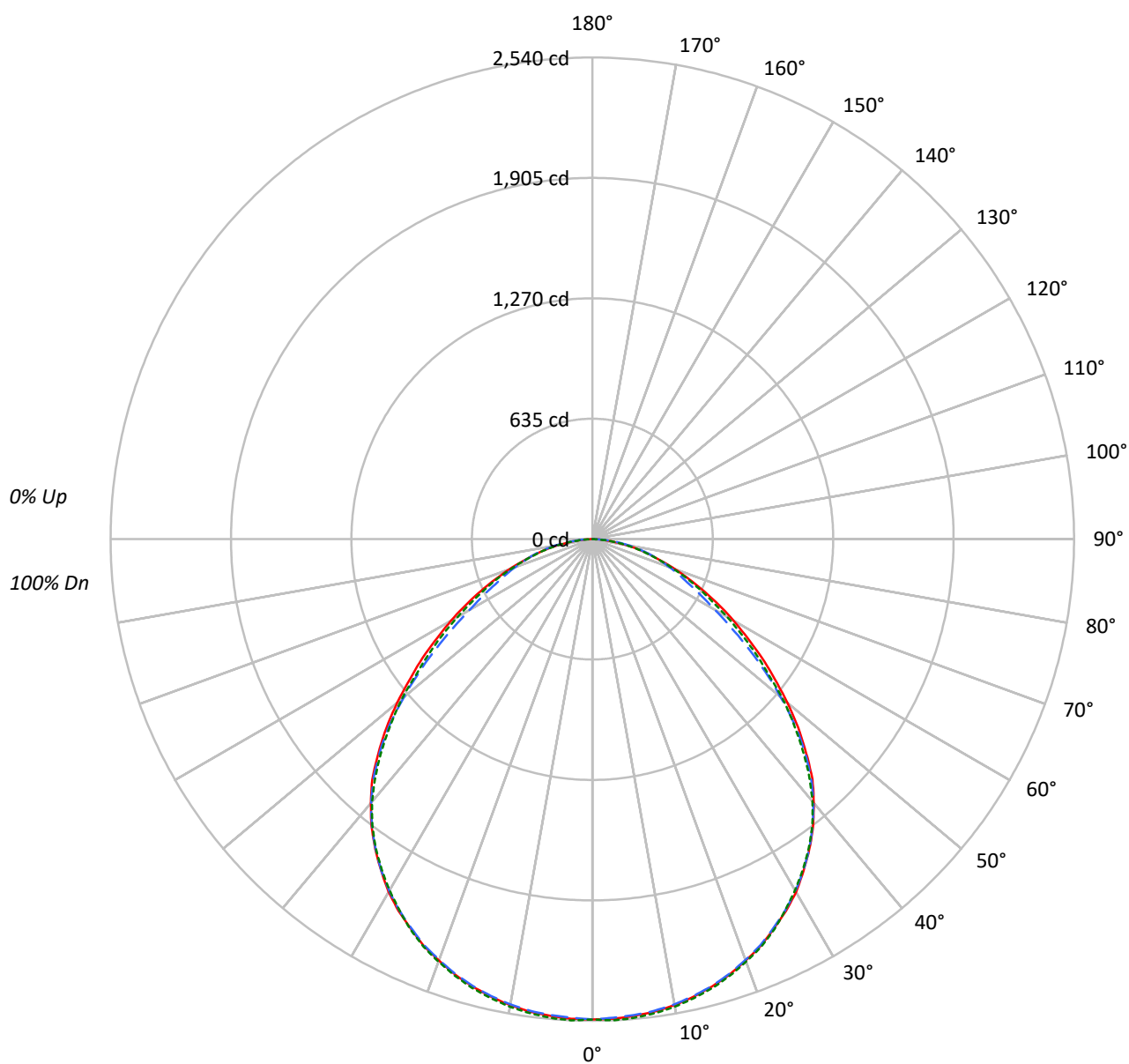
Lumens per Lamp: N/A
Luminaire Lumens: 6386.5 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3408	3408	3408
5°	3409	3403	3423
10°	3409	3403	3421
15°	3401	3397	3413
20°	3386	3381	3395
25°	3363	3358	3371
30°	3338	3326	3321
35°	3277	3274	3268
40°	3191	3186	3172
45°	3034	3012	2981
50°	2809	2714	2745
55°	2563	2355	2461
60°	2311	2009	2204
65°	2066	1798	1982
70°	1832	1700	1782
75°	1621	1648	1588
80°	1398	1574	1390
85°	1047	1246	1047

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3041 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.3	3.8
10°-20°	689.6	10.8
20°-30°	1044.1	16.3
30°-40°	1244.9	19.5
40°-50°	1216.4	19.0
50°-60°	930.1	14.6
60°-70°	597.1	9.4
70°-80°	332.2	5.2
80°-90°	91.8	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°	1974.0	30.9
0°-40°	3218.9	50.4
0°-60°	5365.4	84.0
0°-90°	6386.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6386.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2533	2533	2533	2533	2533	
5°	2524	2526	2520	2532	2534	240
15°	2442	2444	2439	2447	2450	689
25°	2265	2268	2262	2269	2270	1045
35°	1995	1997	1993	1992	1990	1246
45°	1595	1598	1583	1579	1567	1227
55°	1093	1055	1004	1017	1049	977
65°	649	599	565	583	622	647
75°	312	314	317	313	306	333
85°	68	80	81	78	68	83
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2533.2	2533.2	2533.2	2533.2	2533.2
2.5°	2531.5	2532.5	2525.9	2536.8	2540.4
5°	2524.3	2525.9	2519.7	2531.5	2534.2
7.5°	2513.4	2515.1	2508.8	2520.7	2521.7
10°	2495.3	2496.3	2490.7	2502.6	2504.2
12.5°	2471.0	2473.6	2467.3	2478.2	2478.9
15°	2441.7	2443.6	2439.0	2447.3	2449.9
17.5°	2407.4	2408.4	2403.8	2412.7	2413.7
20°	2364.6	2364.6	2361.0	2371.2	2371.2
22.5°	2321.2	2318.5	2317.6	2321.2	2326.8
25°	2265.2	2267.8	2261.6	2268.8	2270.5
27.5°	2210.9	2210.9	2205.3	2208.9	2204.3
30°	2148.4	2144.7	2141.1	2141.8	2137.5
32.5°	2073.0	2073.0	2071.3	2071.3	2065.7
35°	1995.3	1996.9	1993.3	1992.3	1989.7
37.5°	1911.7	1914.6	1908.0	1906.4	1904.4
40°	1816.5	1816.5	1813.9	1810.3	1805.7
42.5°	1717.8	1717.8	1706.2	1697.0	1690.8
45°	1594.6	1598.3	1582.8	1579.2	1566.7
47.5°	1472.2	1469.5	1448.8	1446.2	1438.9
50°	1341.8	1326.3	1296.7	1304.6	1311.2
52.5°	1211.5	1192.4	1148.9	1157.8	1168.7
55°	1092.6	1054.8	1004.1	1016.6	1049.2
57.5°	968.5	917.8	867.1	890.8	931.3
60°	858.9	801.9	746.6	772.0	819.0
62.5°	753.9	693.3	648.9	673.2	713.0
65°	648.9	598.8	564.6	583.3	622.5
67.5°	552.7	519.1	495.8	504.7	536.3
70°	465.8	444.7	432.2	434.9	453.0
72.5°	383.2	377.9	373.3	373.3	375.0
75°	311.8	314.4	317.0	312.7	305.5
77.5°	245.6	254.5	261.1	251.8	242.9
80°	180.4	194.9	203.1	192.9	179.4
82.5°	123.1	139.6	142.2	136.0	120.5
85°	67.8	79.7	80.7	78.0	67.8
87.5°	25.3	30.0	32.6	30.0	26.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)