

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: P1050944

Luminaire Tested: 24PTR-60-PR1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050944
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-L835-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

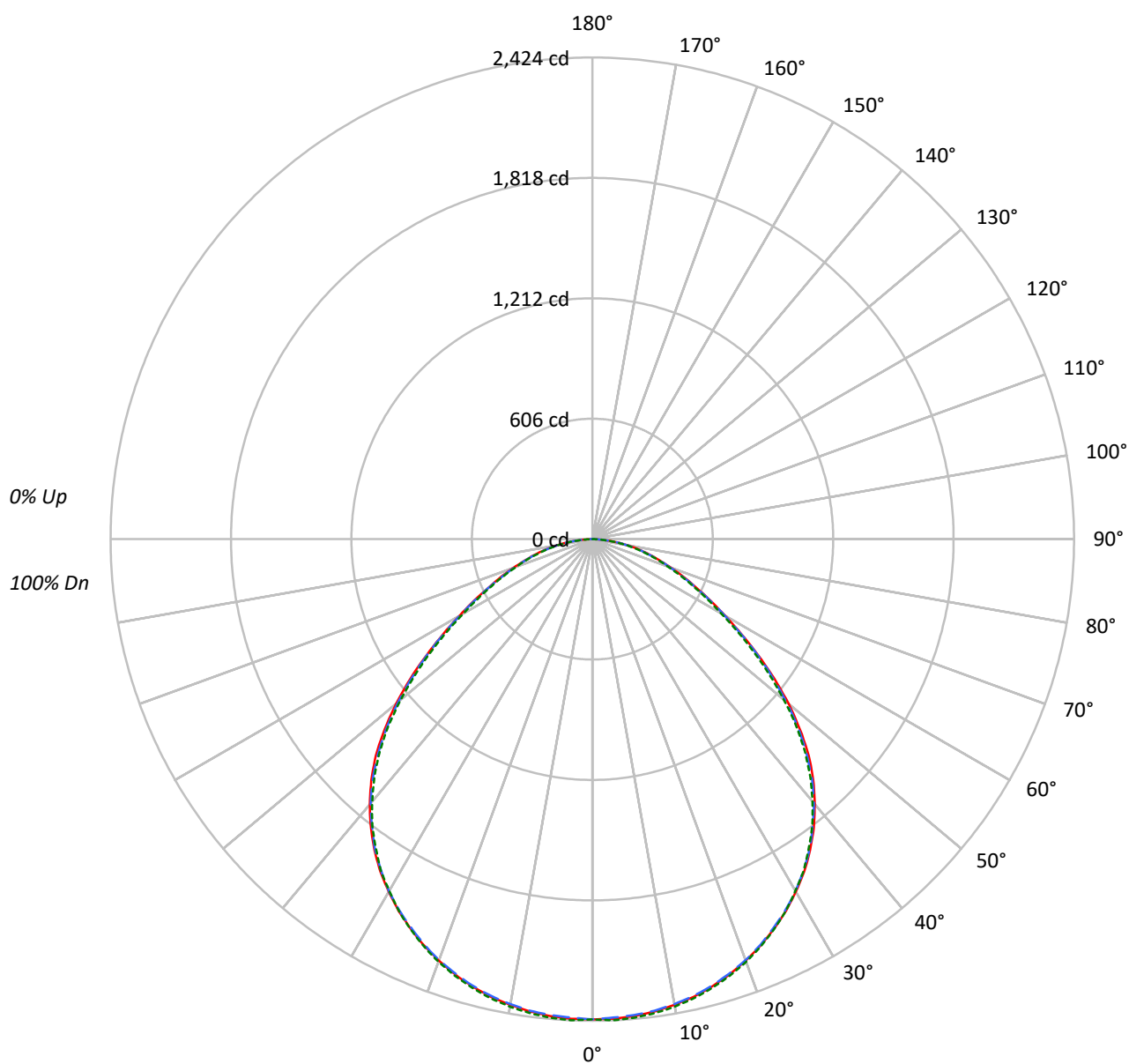
Lumens per Lamp: N/A
Luminaire Lumens: 6112.0 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	3252	3252	3252
5°	3255	3248	3265
10°	3252	3246	3264
15°	3246	3241	3256
20°	3232	3228	3241
25°	3211	3203	3215
30°	3183	3179	3175
35°	3139	3132	3119
40°	3060	3048	3026
45°	2932	2899	2878
50°	2698	2667	2635
55°	2388	2377	2331
60°	2075	2067	2012
65°	1829	1818	1782
70°	1659	1636	1602
75°	1536	1500	1473
80°	1402	1382	1337
85°	1108	1098	1054

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2932 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.2	3.8
10°-20°	658.0	10.8
20°-30°	996.8	16.3
30°-40°	1190.0	19.5
40°-50°	1170.3	19.1
50°-60°	904.5	14.8
60°-70°	570.3	9.3
70°-80°	308.5	5.0
80°-90°	84.3	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°	1884.1	30.8
0°-40°	3074.1	50.3
0°-60°	5148.8	84.2
0°-90°	6112.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6112.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2417	2417	2417	2417	2417	
5°	2410	2411	2404	2415	2418	229
15°	2330	2331	2327	2334	2338	658
25°	2163	2165	2158	2165	2166	997
35°	1911	1912	1907	1904	1899	1193
45°	1541	1535	1524	1512	1513	1180
55°	1018	1026	1013	997	994	913
65°	574	575	571	561	560	578
75°	296	292	289	290	283	314
85°	72	73	71	72	68	85
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2416.8	2416.8	2416.8	2416.8	2416.8
2.5°	2415.8	2416.8	2409.8	2421.2	2423.7
5°	2409.8	2410.8	2404.5	2414.9	2417.7
7.5°	2397.6	2399.5	2393.5	2403.9	2406.4
10°	2380.3	2382.1	2376.2	2386.6	2389.1
12.5°	2358.9	2359.5	2354.4	2363.9	2366.4
15°	2330.2	2330.8	2326.8	2334.3	2337.8
17.5°	2297.2	2298.1	2292.1	2301.6	2303.1
20°	2257.5	2258.1	2254.7	2262.5	2263.5
22.5°	2213.1	2215.0	2209.7	2216.6	2217.5
25°	2163.1	2164.7	2157.7	2164.7	2165.6
27.5°	2110.2	2110.9	2104.9	2110.2	2109.3
30°	2048.5	2053.9	2046.0	2044.1	2043.5
32.5°	1984.6	1985.3	1977.7	1975.8	1979.3
35°	1911.0	1911.6	1906.6	1904.1	1898.7
37.5°	1830.4	1830.4	1820.7	1819.1	1818.2
40°	1742.0	1741.1	1735.1	1729.1	1722.8
42.5°	1645.7	1647.6	1635.3	1624.9	1623.3
45°	1540.9	1534.9	1523.6	1511.6	1512.6
47.5°	1417.2	1418.8	1403.4	1393.6	1391.1
50°	1288.8	1288.8	1274.3	1263.9	1258.6
52.5°	1154.7	1155.7	1141.8	1128.0	1125.1
55°	1017.8	1026.3	1013.4	997.0	993.6
57.5°	889.7	896.6	884.4	867.1	866.1
60°	771.1	771.7	768.2	751.9	747.5
62.5°	669.7	665.3	663.4	654.9	649.6
65°	574.4	575.3	570.9	561.2	559.6
67.5°	497.3	496.3	488.5	482.5	479.0
70°	421.7	419.2	415.8	410.7	407.3
72.5°	354.4	354.4	351.5	350.0	344.0
75°	295.5	292.1	288.6	290.2	283.3
77.5°	239.2	235.7	232.9	229.4	227.9
80°	181.0	177.5	178.4	173.1	172.5
82.5°	125.6	125.6	124.0	119.6	120.5
85°	71.8	72.7	71.1	71.8	68.3
87.5°	26.1	26.8	28.6	26.8	26.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)