

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: P1050735

Luminaire Tested: 24PTR-60-PL1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-PL1-L850-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

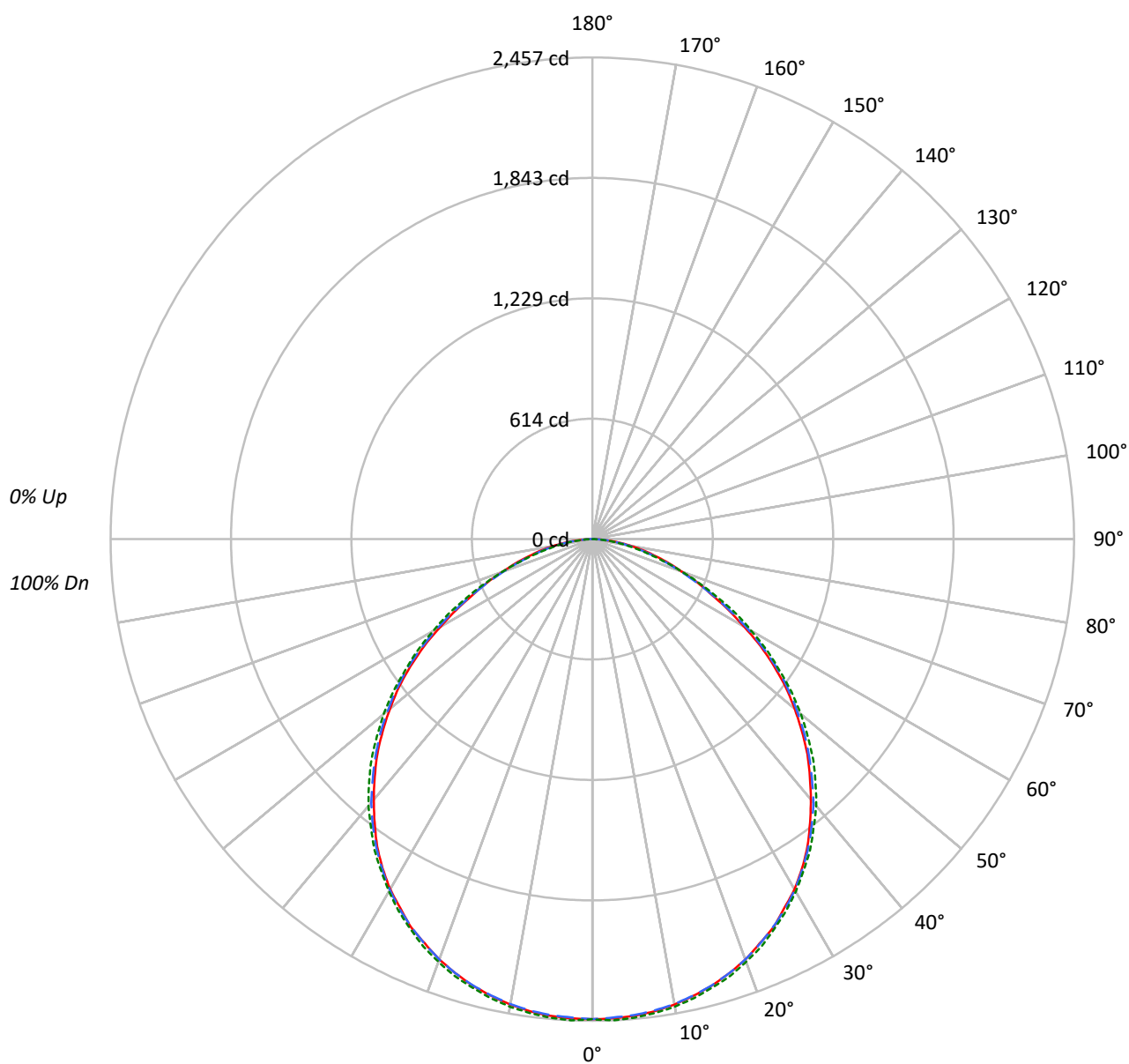
Lumens per Lamp: N/A
Luminaire Lumens: 6455.4 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3295	3295	3295
5°	3298	3292	3310
10°	3294	3290	3309
15°	3284	3282	3299
20°	3267	3267	3286
25°	3245	3241	3258
30°	3204	3209	3224
35°	3143	3155	3180
40°	3045	3081	3120
45°	2950	2975	3032
50°	2821	2851	2907
55°	2657	2699	2731
60°	2410	2461	2522
65°	2140	2163	2251
70°	1913	1874	1921
75°	1726	1627	1594
80°	1568	1456	1292
85°	1328	1206	1039

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3032 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.3	3.6
10°-20°	666.3	10.3
20°-30°	1007.8	15.6
30°-40°	1201.3	18.6
40°-50°	1207.9	18.7
50°-60°	1025.2	15.9
60°-70°	682.6	10.6
70°-80°	340.8	5.3
80°-90°	91.2	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°	1906.4	29.5
0°-40°	3107.6	48.1
0°-60°	5340.8	82.7
0°-90°	6455.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6455.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2449	2449	2449	2449	2449	
5°	2442	2442	2437	2448	2451	232
15°	2357	2360	2356	2366	2368	665
25°	2186	2186	2183	2193	2195	1005
35°	1914	1916	1921	1934	1936	1194
45°	1550	1553	1563	1584	1593	1193
55°	1132	1140	1151	1162	1164	1009
65°	672	678	680	690	707	674
75°	332	327	313	306	307	357
85°	86	84	78	74	67	100
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2449.0	2449.0	2449.0	2449.0	2449.0
2.5°	2447.0	2449.0	2442.4	2454.2	2457.2
5°	2441.7	2442.4	2437.1	2448.0	2450.6
7.5°	2429.8	2430.8	2425.2	2437.1	2438.7
10°	2410.7	2412.7	2408.1	2419.0	2421.6
12.5°	2386.3	2389.0	2384.3	2396.2	2398.2
15°	2357.3	2359.9	2356.3	2366.2	2368.2
17.5°	2321.7	2323.7	2321.7	2330.9	2336.2
20°	2281.8	2281.8	2281.8	2290.0	2294.7
22.5°	2232.0	2236.6	2234.7	2245.5	2250.2
25°	2185.9	2185.9	2182.9	2193.1	2194.8
27.5°	2121.2	2128.5	2127.8	2136.7	2138.7
30°	2062.2	2064.2	2065.2	2071.5	2075.1
32.5°	1990.7	1992.3	1995.3	2004.2	2005.2
35°	1913.5	1915.5	1920.8	1934.3	1936.3
37.5°	1823.9	1833.8	1838.4	1852.9	1854.5
40°	1733.9	1740.1	1754.0	1769.1	1776.4
42.5°	1642.2	1649.5	1657.7	1678.5	1685.1
45°	1550.5	1553.2	1563.4	1584.2	1593.4
47.5°	1449.0	1457.2	1466.1	1484.3	1489.9
50°	1347.5	1356.4	1362.0	1378.1	1389.0
52.5°	1244.9	1253.2	1259.4	1269.3	1280.2
55°	1132.5	1140.4	1150.6	1161.5	1164.1
57.5°	1018.1	1027.0	1033.6	1045.1	1057.0
60°	895.4	905.7	914.6	925.4	937.3
62.5°	781.4	785.7	794.9	813.0	830.2
65°	672.2	677.8	679.5	689.7	706.9
67.5°	581.6	581.6	573.3	577.0	596.1
70°	486.3	482.7	476.4	472.8	488.3
72.5°	409.1	404.5	391.0	384.8	393.0
75°	332.0	327.4	312.9	305.6	306.6
77.5°	266.7	259.5	247.6	235.1	232.4
80°	202.4	199.5	187.9	176.1	166.8
82.5°	143.4	137.2	130.6	123.3	116.1
85°	86.0	84.4	78.1	73.5	67.3
87.5°	35.3	35.3	33.6	31.7	30.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)