

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: P1050504

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050504
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-L850-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

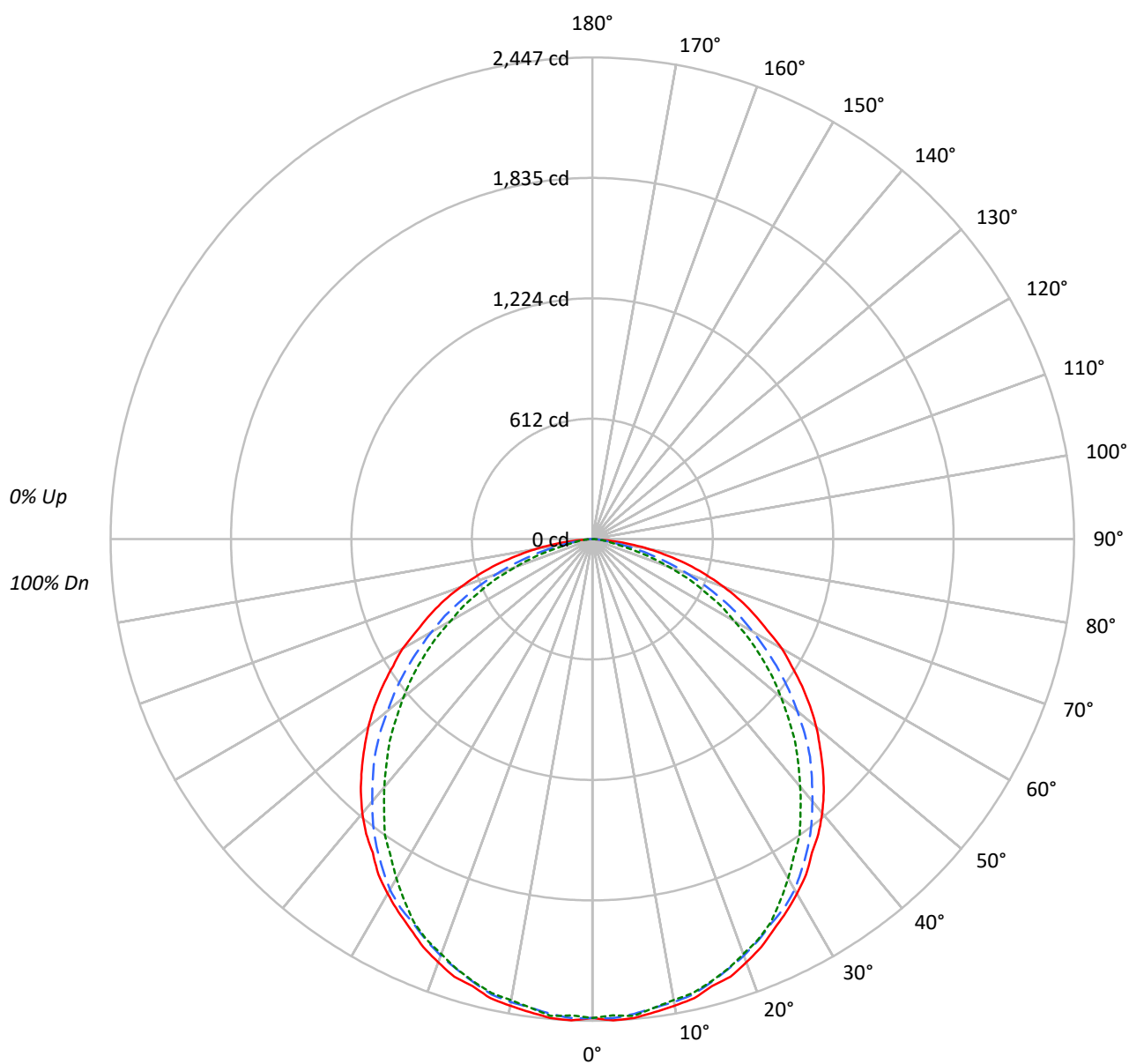
Lumens per Lamp: N/A
Luminaire Lumens: 6480.6 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	100		
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31		
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3273	3273	3273
5°	3298	3270	3284
10°	3288	3263	3249
15°	3274	3248	3242
20°	3276	3224	3212
25°	3244	3197	3186
30°	3231	3195	3091
35°	3194	3137	3016
40°	3192	3054	2886
45°	3152	2975	2771
50°	3109	2842	2621
55°	3049	2709	2461
60°	2995	2535	2234
65°	2893	2325	1997
70°	2799	2024	1630
75°	2629	1597	1122
80°	2280	965	673
85°	1521	693	648

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3152 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.6	3.6
10°-20°	659.9	10.2
20°-30°	996.8	15.4
30°-40°	1185.2	18.3
40°-50°	1202.0	18.5
50°-60°	1043.8	16.1
60°-70°	741.0	11.4
70°-80°	354.1	5.5
80°-90°	67.1	1.0
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°	1887.4	29.1
0°-40°	3072.6	47.4
0°-60°	5318.4	82.1
0°-90°	6480.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6480.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2433	2433	2433	2433	2433	
5°	2442	2433	2421	2427	2432	232
15°	2350	2356	2332	2329	2327	666
25°	2185	2182	2153	2162	2146	1009
35°	1945	1942	1910	1845	1836	1222
45°	1656	1642	1564	1481	1456	1278
55°	1300	1261	1155	1087	1049	1161
65°	909	840	730	652	627	900
75°	506	413	307	243	216	530
85°	98	52	45	44	42	124
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2432.9	2432.9	2432.9	2432.9	2432.9
2.5°	2447.4	2438.7	2435.8	2446.0	2421.4
5°	2441.6	2432.9	2421.4	2427.2	2431.5
7.5°	2424.3	2417.0	2401.1	2414.1	2401.1
10°	2406.9	2399.6	2388.0	2392.4	2377.9
12.5°	2389.5	2372.1	2369.2	2372.1	2361.9
15°	2350.4	2356.1	2331.5	2328.6	2327.2
17.5°	2331.5	2317.0	2290.9	2292.4	2289.5
20°	2288.0	2270.7	2251.8	2248.9	2243.1
22.5°	2243.1	2222.8	2205.4	2214.1	2201.1
25°	2185.2	2182.3	2153.3	2162.0	2146.0
27.5°	2134.4	2124.3	2111.3	2092.4	2069.2
30°	2079.4	2069.2	2056.2	2006.9	1989.5
32.5°	2021.4	2009.8	1983.7	1925.8	1906.9
35°	1944.6	1941.7	1909.8	1844.6	1835.9
37.5°	1886.7	1854.8	1828.7	1762.0	1737.4
40°	1817.1	1799.7	1738.9	1675.1	1643.2
42.5°	1740.3	1720.0	1650.5	1582.4	1547.6
45°	1656.3	1641.8	1563.5	1480.9	1456.3
47.5°	1569.3	1556.3	1463.5	1383.8	1352.0
50°	1485.3	1469.3	1357.8	1281.0	1252.0
52.5°	1394.0	1367.9	1257.8	1182.4	1154.9
55°	1299.8	1260.7	1154.9	1086.8	1049.1
57.5°	1199.8	1163.6	1046.2	975.2	944.8
60°	1112.9	1062.2	941.9	869.4	830.3
62.5°	1001.3	957.8	843.3	757.9	739.0
65°	908.6	840.4	730.3	652.1	627.4
67.5°	814.4	734.7	623.1	543.4	530.4
70°	711.5	628.9	514.4	436.2	414.4
72.5°	607.2	526.0	414.4	331.8	318.8
75°	505.7	413.0	307.2	243.4	215.9
77.5°	395.6	311.5	215.9	149.3	131.9
80°	294.2	210.1	124.6	88.4	86.9
82.5°	192.7	121.7	66.7	68.1	65.2
85°	98.5	52.2	44.9	43.5	42.0
87.5°	18.8	20.3	21.7	21.7	21.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)