

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: P1050482

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050482
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-L835-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

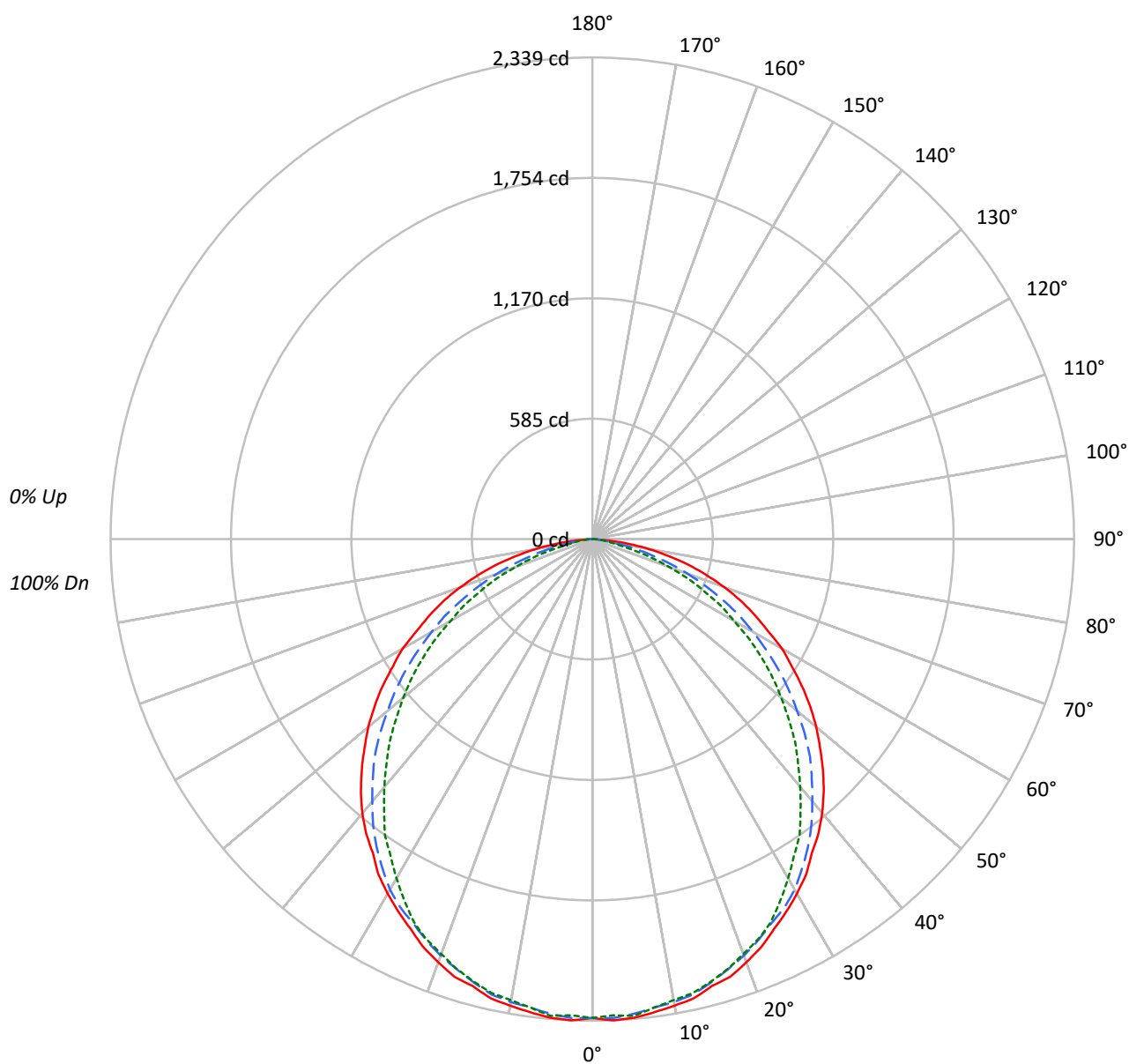
Lumens per Lamp: N/A
Luminaire Lumens: 6193.6 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050482

CATALOG NUMBER: 24PTR-60-L835-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050482

CATALOG NUMBER: 24PTR-60-L835-UNV-STD-W

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°	3129	3129	3129
5°	3152	3126	3139
10°	3143	3118	3105
15°	3129	3104	3098
20°	3131	3081	3070
25°	3100	3055	3045
30°	3088	3053	2954
35°	3053	2998	2882
40°	3050	2919	2758
45°	3012	2843	2648
50°	2971	2716	2505
55°	2914	2589	2352
60°	2862	2422	2135
65°	2764	2222	1909
70°	2675	1934	1558
75°	2512	1526	1072
80°	2178	923	644
85°	1454	662	621

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3012 cd/sqm

TEST NUMBER: P1050482

CATALOG NUMBER: 24PTR-60-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.4	3.6
10°-20°	630.7	10.2
20°-30°	952.7	15.4
30°-40°	1132.7	18.3
40°-50°	1148.8	18.5
50°-60°	997.6	16.1
60°-70°	708.2	11.4
70°-80°	338.4	5.5
80°-90°	64.1	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°	1803.8	29.1
0°-40°	2936.5	47.4
0°-60°	5082.9	82.1
0°-90°	6193.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6193.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2325	2325	2325	2325	2325	
5°	2334	2325	2314	2320	2324	222
15°	2246	2252	2228	2226	2224	636
25°	2088	2086	2058	2066	2051	965
35°	1858	1856	1825	1763	1755	1168
45°	1583	1569	1494	1415	1392	1221
55°	1242	1205	1104	1039	1003	1110
65°	868	803	698	623	600	860
75°	483	395	294	233	206	507
85°	94	50	43	42	40	119
90°	0	0	0	0	0	

TEST NUMBER: P1050482

CATALOG NUMBER: 24PTR-60-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2325.2	2325.2	2325.2	2325.2	2325.2
2.5°	2339.1	2330.8	2328.0	2337.7	2314.2
5°	2333.5	2325.2	2314.2	2319.7	2323.8
7.5°	2316.9	2310.0	2294.8	2307.2	2294.8
10°	2300.3	2293.4	2282.3	2286.5	2272.6
12.5°	2283.7	2267.1	2264.3	2267.1	2257.4
15°	2246.3	2251.8	2228.3	2225.5	2224.1
17.5°	2228.3	2214.4	2189.5	2190.9	2188.1
20°	2186.7	2170.1	2152.1	2149.3	2143.8
22.5°	2143.8	2124.4	2107.8	2116.1	2103.6
25°	2088.4	2085.6	2057.9	2066.3	2051.0
27.5°	2039.9	2030.2	2017.8	1999.8	1977.6
30°	1987.3	1977.6	1965.2	1918.1	1901.5
32.5°	1931.9	1920.8	1895.9	1840.5	1822.5
35°	1858.5	1855.8	1825.3	1763.0	1754.7
37.5°	1803.1	1772.7	1747.7	1684.0	1660.5
40°	1736.7	1720.0	1661.9	1600.9	1570.5
42.5°	1663.3	1643.9	1577.4	1512.3	1479.1
45°	1582.9	1569.1	1494.3	1415.4	1391.8
47.5°	1499.8	1487.4	1398.7	1322.6	1292.1
50°	1419.5	1404.3	1297.6	1224.2	1196.5
52.5°	1332.3	1307.3	1202.1	1130.1	1103.8
55°	1242.2	1204.9	1103.8	1038.7	1002.7
57.5°	1146.7	1112.1	999.9	932.0	902.9
60°	1063.6	1015.1	900.2	830.9	793.5
62.5°	957.0	915.4	806.0	724.3	706.3
65°	868.3	803.2	698.0	623.2	599.7
67.5°	778.3	702.1	595.5	519.3	506.9
70°	680.0	601.0	491.6	416.9	396.1
72.5°	580.3	502.7	396.1	317.1	304.7
75°	483.3	394.7	293.6	232.7	206.3
77.5°	378.1	297.8	206.3	142.6	126.0
80°	281.1	200.8	119.1	84.5	83.1
82.5°	184.2	116.3	63.7	65.1	62.3
85°	94.2	49.9	42.9	41.5	40.2
87.5°	18.0	19.4	20.8	20.8	20.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)