

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: P1050834

Luminaire Tested: 24PTR-60-PLG-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050834
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-PLG-L935-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

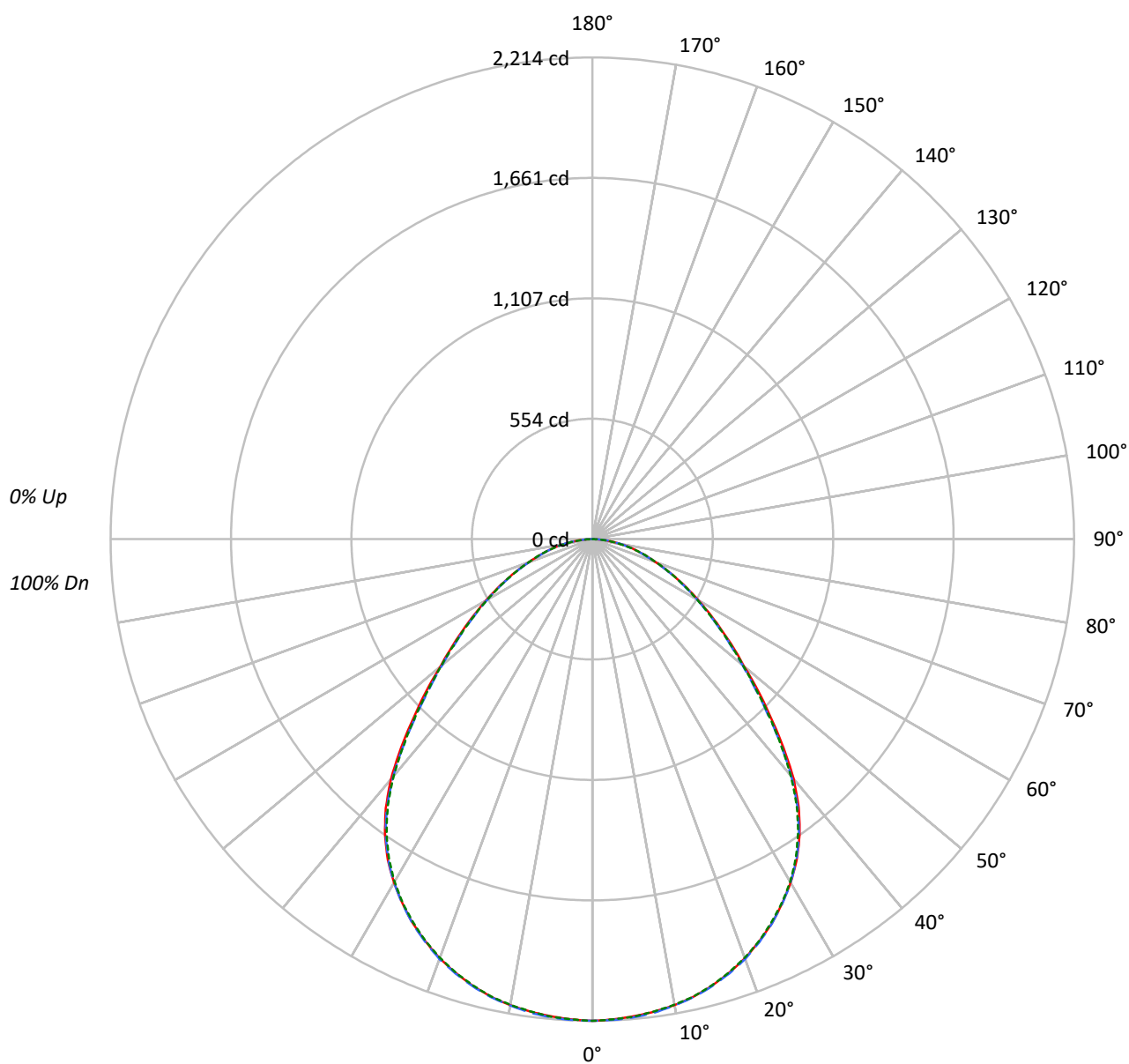
Lumens per Lamp: N/A
Luminaire Lumens: 4989.1 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1050834

CATALOG NUMBER: 24PTR-60-PLG-L935-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050834

CATALOG NUMBER: 24PTR-60-PLG-L935-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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2979	2979	2979
5°	2974	2980	2976
10°	2971	2973	2969
15°	2959	2964	2957
20°	2936	2941	2932
25°	2895	2897	2888
30°	2832	2832	2825
35°	2728	2721	2708
40°	2528	2501	2492
45°	2210	2174	2183
50°	1908	1885	1895
55°	1696	1670	1673
60°	1518	1497	1497
65°	1361	1351	1356
70°	1224	1212	1224
75°	1135	1119	1135
80°	1059	1047	1010
85°	897	897	801

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2210 cd/sqm

TEST NUMBER: P1050834

CATALOG NUMBER: 24PTR-60-PLG-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.6	4.2
10°-20°	599.8	12.0
20°-30°	897.5	18.0
30°-40°	1028.3	20.6
40°-50°	889.4	17.8
50°-60°	643.6	12.9
60°-70°	423.9	8.5
70°-80°	230.8	4.6
80°-90°	66.1	1.3
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°	1707.0	34.2
0°-40°	2735.3	54.8
0°-60°	4268.3	85.6
0°-90°	4989.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4989.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2214	2214	2214	2214	2214	
5°	2202	2206	2206	2206	2203	209
15°	2125	2126	2128	2131	2123	599
25°	1950	1950	1952	1953	1945	897
35°	1661	1659	1656	1655	1648	1032
45°	1161	1158	1142	1141	1147	899
55°	723	720	712	707	713	651
65°	427	431	424	421	426	427
75°	218	218	215	215	218	233
85°	58	58	58	60	52	67
90°	0	0	0	0	0	

TEST NUMBER: P1050834

CATALOG NUMBER: 24PTR-60-PLG-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2214.2	2214.2	2214.2	2214.2	2214.2
2.5°	2209.4	2214.2	2212.6	2214.2	2209.4
5°	2201.6	2206.3	2206.3	2206.3	2203.2
7.5°	2190.6	2193.7	2195.3	2196.9	2189.0
10°	2174.9	2178.0	2176.4	2179.6	2173.3
12.5°	2154.4	2154.4	2156.0	2159.2	2152.9
15°	2124.6	2126.2	2127.7	2130.9	2123.0
17.5°	2090.0	2091.6	2093.2	2094.7	2088.4
20°	2050.7	2050.7	2053.9	2055.4	2047.6
22.5°	2002.0	2002.0	2005.2	2009.9	2000.4
25°	1950.2	1950.2	1951.7	1953.3	1945.4
27.5°	1888.9	1888.9	1890.4	1895.2	1885.7
30°	1822.9	1821.3	1822.9	1824.4	1818.2
32.5°	1749.0	1747.4	1745.9	1747.4	1739.6
35°	1661.0	1659.4	1656.3	1654.7	1648.4
37.5°	1558.9	1555.7	1549.4	1549.4	1543.2
40°	1439.4	1431.6	1423.7	1420.6	1419.0
42.5°	1301.2	1294.9	1283.9	1282.3	1282.3
45°	1161.3	1158.2	1142.4	1140.9	1147.2
47.5°	1035.6	1027.7	1013.6	1010.4	1019.9
50°	911.4	913.0	900.4	895.7	905.1
52.5°	814.0	810.9	799.9	796.7	804.6
55°	722.9	719.7	711.9	707.1	713.4
57.5°	639.6	638.0	630.1	628.6	631.7
60°	564.1	562.6	556.3	554.7	556.3
62.5°	493.4	493.4	487.1	484.0	488.7
65°	427.4	430.6	424.3	421.1	425.9
67.5°	367.7	370.9	364.6	361.4	367.7
70°	311.1	314.3	308.0	304.9	311.1
72.5°	262.4	264.0	259.3	257.7	265.6
75°	218.4	218.4	215.3	215.3	218.4
77.5°	177.6	176.0	174.4	174.4	171.3
80°	136.7	135.1	135.1	135.1	130.4
82.5°	97.4	94.3	95.9	97.4	89.6
85°	58.1	58.1	58.1	59.7	51.9
87.5°	23.6	23.6	22.0	23.6	20.4
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)