

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: P1050758

Luminaire Tested: 24PTR-72-PL1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050758
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-72-PL1-L935-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

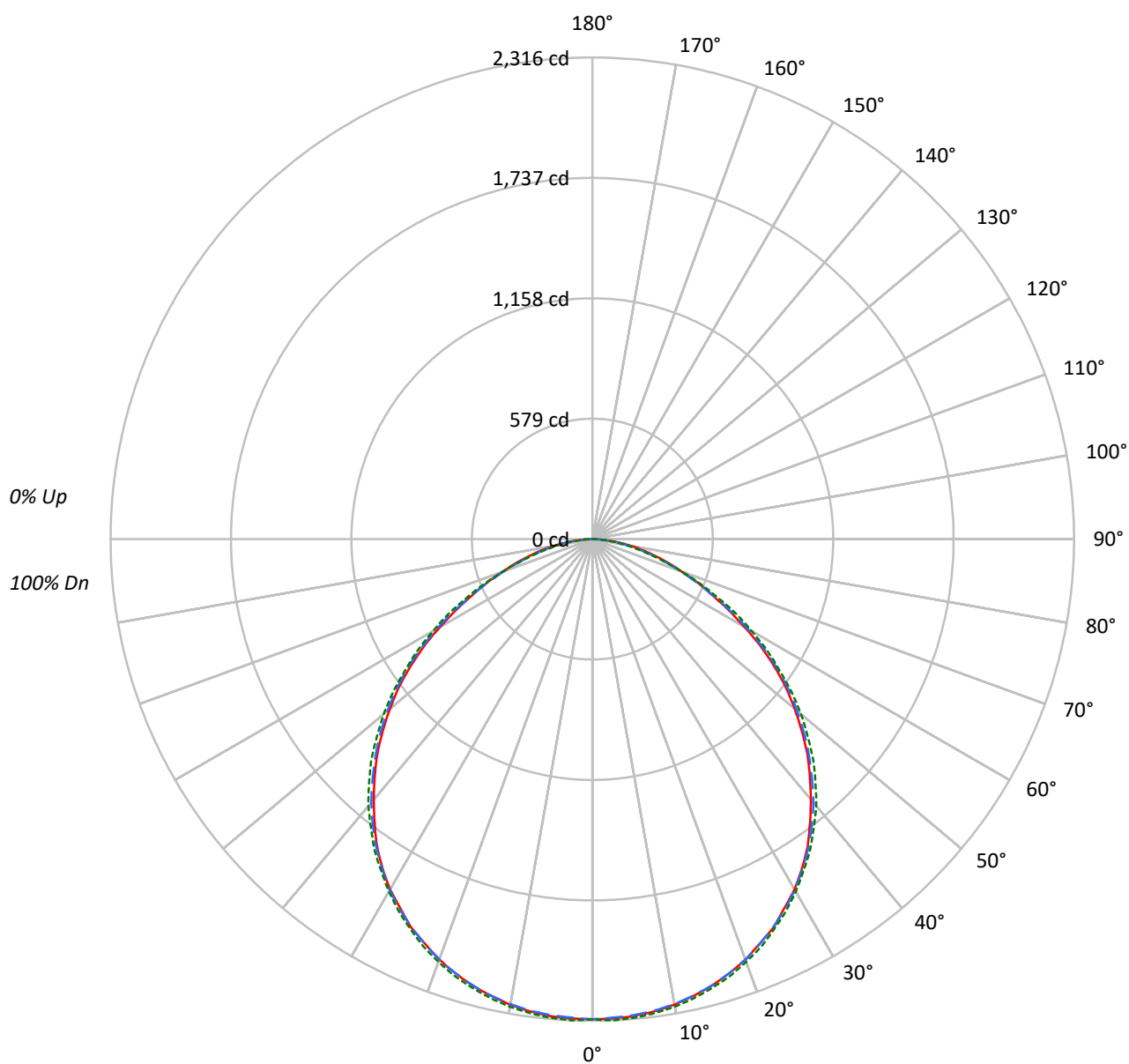
Lumens per Lamp: N/A
Luminaire Lumens: 6085.8 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 60
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°	3106	3106	3106
5°	3109	3103	3120
10°	3105	3102	3119
15°	3096	3094	3110
20°	3080	3080	3097
25°	3059	3055	3072
30°	3021	3025	3039
35°	2963	2974	2998
40°	2871	2904	2941
45°	2782	2805	2858
50°	2659	2688	2741
55°	2505	2545	2575
60°	2272	2320	2378
65°	2018	2039	2122
70°	1804	1767	1811
75°	1627	1534	1503
80°	1478	1373	1219
85°	1252	1138	979

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2858 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.0	3.6
10°-20°	628.1	10.3
20°-30°	950.1	15.6
30°-40°	1132.5	18.6
40°-50°	1138.8	18.7
50°-60°	966.5	15.9
60°-70°	643.5	10.6
70°-80°	321.3	5.3
80°-90°	86.0	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°	1797.2	29.5
0°-40°	2929.7	48.1
0°-60°	5035.0	82.7
0°-90°	6085.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6085.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2309	2309	2309	2309	2309	
5°	2302	2302	2298	2308	2310	219
15°	2222	2225	2221	2231	2233	627
25°	2061	2061	2058	2068	2069	947
35°	1804	1806	1811	1824	1825	1125
45°	1462	1464	1474	1494	1502	1125
55°	1068	1075	1085	1095	1098	951
65°	634	639	641	650	666	635
75°	313	309	295	288	289	336
85°	81	80	74	69	63	94
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2308.8	2308.8	2308.8	2308.8	2308.8
2.5°	2306.9	2308.8	2302.5	2313.7	2316.5
5°	2301.9	2302.5	2297.6	2307.8	2310.3
7.5°	2290.7	2291.7	2286.4	2297.6	2299.1
10°	2272.7	2274.6	2270.2	2280.5	2283.0
12.5°	2249.7	2252.2	2247.8	2259.0	2260.9
15°	2222.3	2224.8	2221.4	2230.7	2232.6
17.5°	2188.8	2190.6	2188.8	2197.5	2202.5
20°	2151.2	2151.2	2151.2	2158.9	2163.3
22.5°	2104.2	2108.6	2106.7	2117.0	2121.3
25°	2060.7	2060.7	2057.9	2067.6	2069.1
27.5°	1999.8	2006.6	2006.0	2014.4	2016.3
30°	1944.2	1946.0	1947.0	1952.9	1956.3
32.5°	1876.7	1878.3	1881.1	1889.5	1890.4
35°	1804.0	1805.9	1810.8	1823.6	1825.4
37.5°	1719.4	1728.8	1733.1	1746.8	1748.4
40°	1634.6	1640.5	1653.6	1667.9	1674.7
42.5°	1548.2	1555.0	1562.8	1582.4	1588.6
45°	1461.8	1464.3	1473.9	1493.5	1502.2
47.5°	1366.0	1373.8	1382.2	1399.3	1404.6
50°	1270.3	1278.7	1284.0	1299.2	1309.5
52.5°	1173.6	1181.4	1187.3	1196.6	1206.9
55°	1067.7	1075.1	1084.8	1095.0	1097.5
57.5°	959.8	968.2	974.4	985.3	996.5
60°	844.2	853.8	862.2	872.5	883.7
62.5°	736.6	740.7	749.4	766.5	782.6
65°	633.8	639.0	640.6	650.2	666.4
67.5°	548.3	548.3	540.5	543.9	562.0
70°	458.5	455.0	449.1	445.7	460.3
72.5°	385.7	381.4	368.6	362.7	370.5
75°	313.0	308.6	295.0	288.1	289.1
77.5°	251.5	244.6	233.4	221.6	219.1
80°	190.8	188.0	177.2	166.0	157.3
82.5°	135.2	129.3	123.1	116.2	109.4
85°	81.1	79.6	73.7	69.3	63.4
87.5°	33.3	33.3	31.7	29.8	28.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)