

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: P1050527

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050527
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-72-L935-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

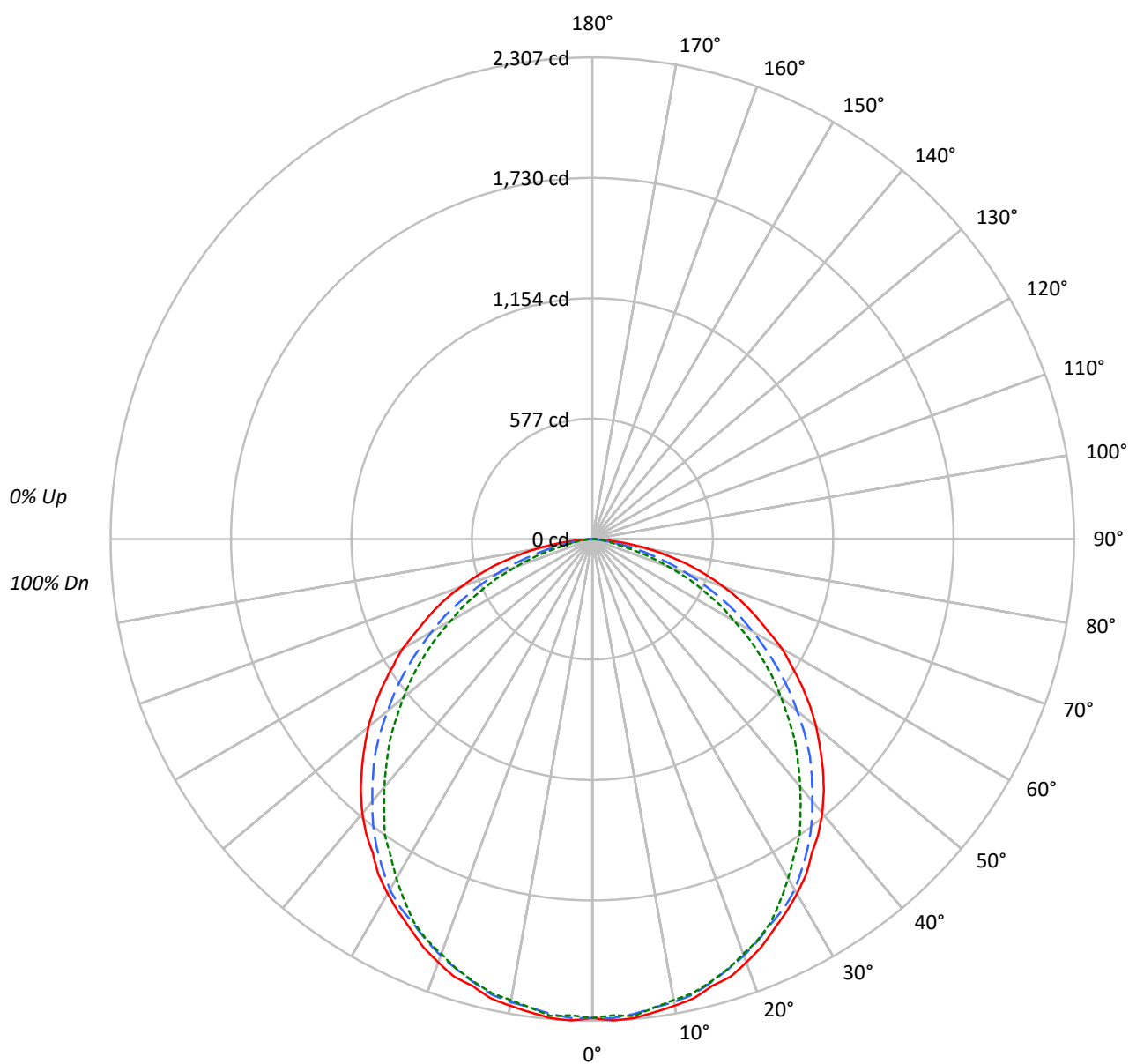
Lumens per Lamp: N/A
Luminaire Lumens: 6109.6 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3086	3086	3086
5°	3109	3083	3096
10°	3100	3076	3063
15°	3087	3062	3056
20°	3088	3040	3028
25°	3058	3014	3004
30°	3046	3012	2914
35°	3011	2957	2843
40°	3009	2879	2721
45°	2971	2805	2612
50°	2931	2679	2471
55°	2875	2554	2320
60°	2823	2390	2106
65°	2727	2192	1883
70°	2638	1908	1537
75°	2479	1506	1058
80°	2149	910	635
85°	1434	653	611

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2971 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.4	3.6
10°-20°	622.1	10.2
20°-30°	939.8	15.4
30°-40°	1117.4	18.3
40°-50°	1133.2	18.5
50°-60°	984.0	16.1
60°-70°	698.6	11.4
70°-80°	333.8	5.5
80°-90°	63.3	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°	1779.3	29.1
0°-40°	2896.7	47.4
0°-60°	5013.9	82.1
0°-90°	6109.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6109.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2294	2294	2294	2294	2294	
5°	2302	2294	2283	2288	2292	218
15°	2216	2221	2198	2195	2194	628
25°	2060	2057	2030	2038	2023	951
35°	1833	1831	1800	1739	1731	1152
45°	1561	1548	1474	1396	1373	1204
55°	1225	1188	1089	1025	989	1095
65°	856	792	688	615	592	848
75°	477	389	290	230	204	500
85°	93	49	42	41	40	117
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2293.7	2293.7	2293.7	2293.7	2293.7
2.5°	2307.3	2299.1	2296.4	2306.0	2282.7
5°	2301.9	2293.7	2282.7	2288.2	2292.3
7.5°	2285.5	2278.6	2263.6	2275.9	2263.6
10°	2269.1	2262.2	2251.3	2255.4	2241.7
12.5°	2252.7	2236.3	2233.5	2236.3	2226.7
15°	2215.8	2221.3	2198.0	2195.3	2193.9
17.5°	2198.0	2184.4	2159.8	2161.1	2158.4
20°	2157.0	2140.7	2122.9	2120.2	2114.7
22.5°	2114.7	2095.6	2079.2	2087.4	2075.1
25°	2060.1	2057.3	2030.0	2038.2	2023.2
27.5°	2012.2	2002.7	1990.4	1972.6	1950.8
30°	1960.3	1950.8	1938.5	1892.0	1875.6
32.5°	1905.7	1894.8	1870.2	1815.5	1797.8
35°	1833.3	1830.6	1800.5	1739.0	1730.8
37.5°	1778.6	1748.6	1724.0	1661.2	1637.9
40°	1713.1	1696.7	1639.3	1579.2	1549.1
42.5°	1640.7	1621.5	1556.0	1491.8	1459.0
45°	1561.4	1547.8	1474.0	1396.1	1372.9
47.5°	1479.5	1467.2	1379.7	1304.6	1274.6
50°	1400.2	1385.2	1280.0	1207.6	1180.3
52.5°	1314.2	1289.6	1185.8	1114.7	1088.8
55°	1225.4	1188.5	1088.8	1024.6	989.0
57.5°	1131.1	1097.0	986.3	919.4	890.7
60°	1049.2	1001.3	888.0	819.7	782.8
62.5°	944.0	903.0	795.1	714.5	696.7
65°	856.5	792.3	688.5	614.7	591.5
67.5°	767.7	692.6	587.4	512.3	500.0
70°	670.7	592.9	485.0	411.2	390.7
72.5°	572.4	495.9	390.7	312.8	300.5
75°	476.8	389.3	289.6	229.5	203.5
77.5°	372.9	293.7	203.5	140.7	124.3
80°	277.3	198.1	117.5	83.3	82.0
82.5°	181.7	114.8	62.8	64.2	61.5
85°	92.9	49.2	42.3	41.0	39.6
87.5°	17.8	19.1	20.5	20.5	20.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)