

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: P1050924

Luminaire Tested: 24PTR-80-PP3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050924
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-80-PP3-L940-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

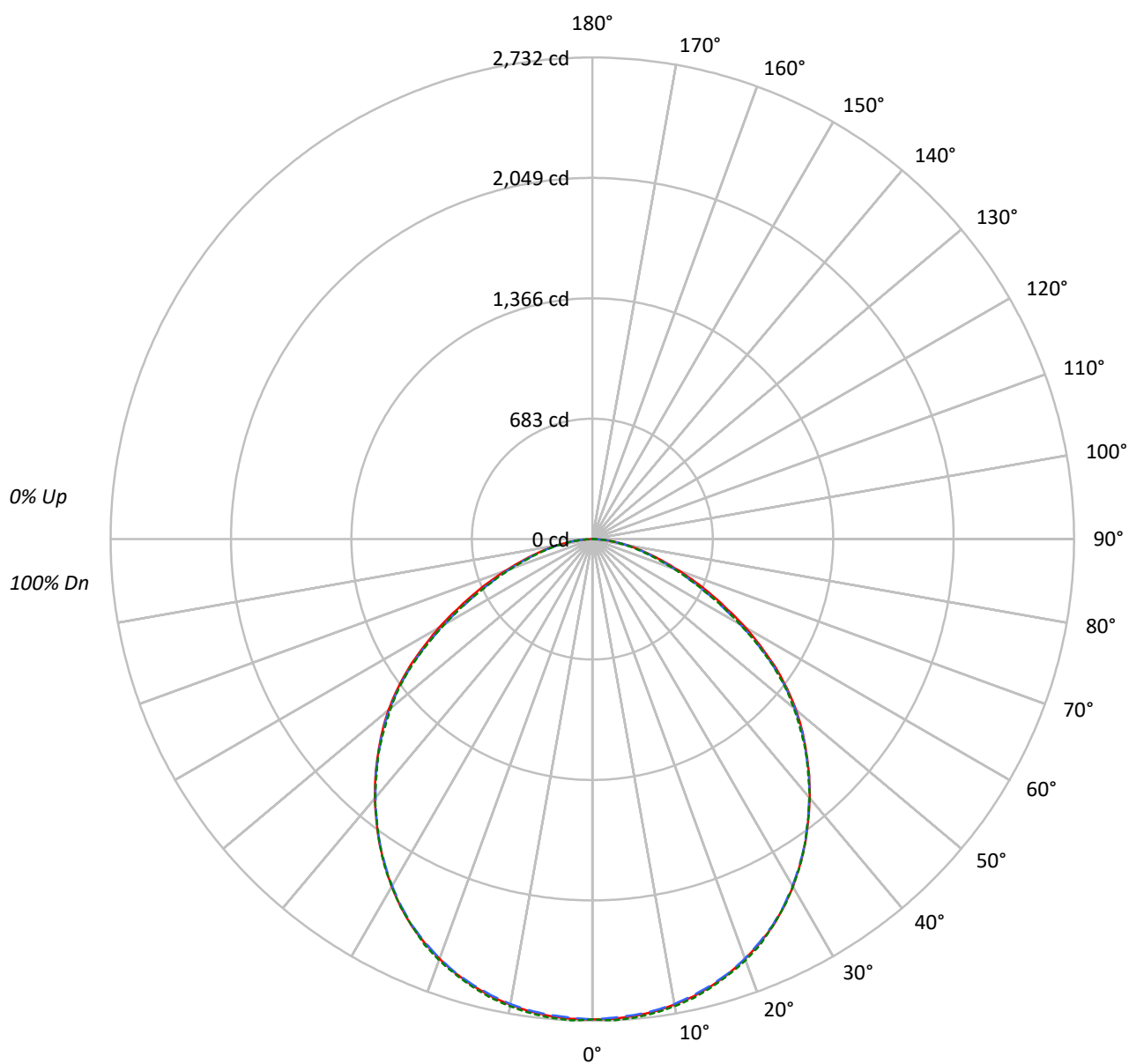
Lumens per Lamp: N/A
Luminaire Lumens: 7038.3 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 68
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: P1050924

CATALOG NUMBER: 24PTR-80-PP3-L940-UNV-STD-W

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	99	96	93	95	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	74	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	63	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	55	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	48	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	42	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	38	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	34	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	31	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3665	3665	3665
5°	3669	3660	3680
10°	3663	3658	3676
15°	3651	3644	3661
20°	3627	3624	3640
25°	3595	3589	3593
30°	3535	3527	3535
35°	3458	3453	3456
40°	3369	3358	3367
45°	3268	3258	3262
50°	3159	3144	3121
55°	2973	2939	2930
60°	2699	2608	2612
65°	2370	2251	2248
70°	2050	1956	1934
75°	1773	1707	1670
80°	1570	1548	1478
85°	1298	1342	1264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3279 cd/sqm

TEST NUMBER: P1050924

CATALOG NUMBER: 24PTR-80-PP3-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.3	3.7
10°-20°	740.1	10.5
20°-30°	1114.2	15.8
30°-40°	1315.1	18.7
40°-50°	1322.6	18.8
50°-60°	1116.6	15.9
60°-70°	717.1	10.2
70°-80°	356.7	5.1
80°-90°	97.7	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°	2112.6	30.0
0°-40°	3427.7	48.7
0°-60°	5866.9	83.4
0°-90°	7038.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7038.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2724	2724	2724	2724	2724	
5°	2716	2717	2710	2723	2725	258
15°	2621	2622	2616	2628	2628	740
25°	2422	2422	2418	2422	2420	1114
35°	2105	2106	2102	2104	2104	1316
45°	1717	1724	1712	1714	1714	1325
55°	1268	1266	1253	1248	1249	1128
65°	744	734	707	700	706	742
75°	341	339	328	325	321	369
85°	84	87	87	82	82	99
90°	0	0	0	0	0	

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CATALOG NUMBER: 24PTR-80-PP3-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2724.1	2724.1	2724.1	2724.1	2724.1
2.5°	2723.0	2724.1	2716.9	2729.8	2732.0
5°	2716.2	2716.9	2710.1	2723.0	2724.8
7.5°	2702.2	2703.2	2697.1	2709.0	2711.1
10°	2681.3	2684.5	2677.4	2688.5	2690.3
12.5°	2655.8	2656.9	2649.7	2662.6	2664.8
15°	2621.3	2622.0	2616.3	2628.1	2628.1
17.5°	2581.4	2582.5	2578.6	2588.6	2587.5
20°	2533.3	2536.2	2531.1	2538.0	2541.9
22.5°	2480.8	2481.9	2475.8	2484.8	2488.7
25°	2421.6	2422.3	2417.6	2422.3	2420.5
27.5°	2352.2	2354.0	2347.2	2352.2	2353.3
30°	2275.0	2280.0	2270.3	2274.2	2275.0
32.5°	2192.0	2194.8	2188.0	2189.1	2194.1
35°	2105.0	2106.1	2102.2	2103.9	2103.9
37.5°	2011.3	2015.2	2009.1	2012.0	2008.0
40°	1918.2	1914.2	1912.1	1914.2	1917.1
42.5°	1820.1	1821.2	1818.3	1816.2	1811.5
45°	1717.4	1723.5	1712.3	1714.5	1714.5
47.5°	1616.8	1617.5	1611.7	1605.6	1601.7
50°	1509.0	1509.0	1501.8	1497.1	1491.0
52.5°	1391.1	1389.3	1381.4	1376.4	1379.3
55°	1267.5	1266.5	1252.8	1247.8	1248.9
57.5°	1132.1	1134.2	1113.4	1108.4	1108.4
60°	1002.8	992.7	969.0	962.2	970.8
62.5°	866.9	855.1	829.6	829.6	836.4
65°	744.4	733.7	707.1	699.9	706.0
67.5°	629.8	619.8	595.3	591.4	593.2
70°	521.0	512.3	497.2	488.3	491.5
72.5°	427.2	419.3	409.2	402.4	398.4
75°	341.0	339.2	328.4	325.1	321.2
77.5°	269.8	269.1	260.1	256.2	252.2
80°	202.6	201.6	199.8	193.7	190.8
82.5°	144.4	144.4	143.4	138.3	135.4
85°	84.1	86.9	86.9	81.9	81.9
87.5°	33.8	35.6	33.8	33.8	32.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)