

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: P1050847

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050847
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-80-PLG-L940-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

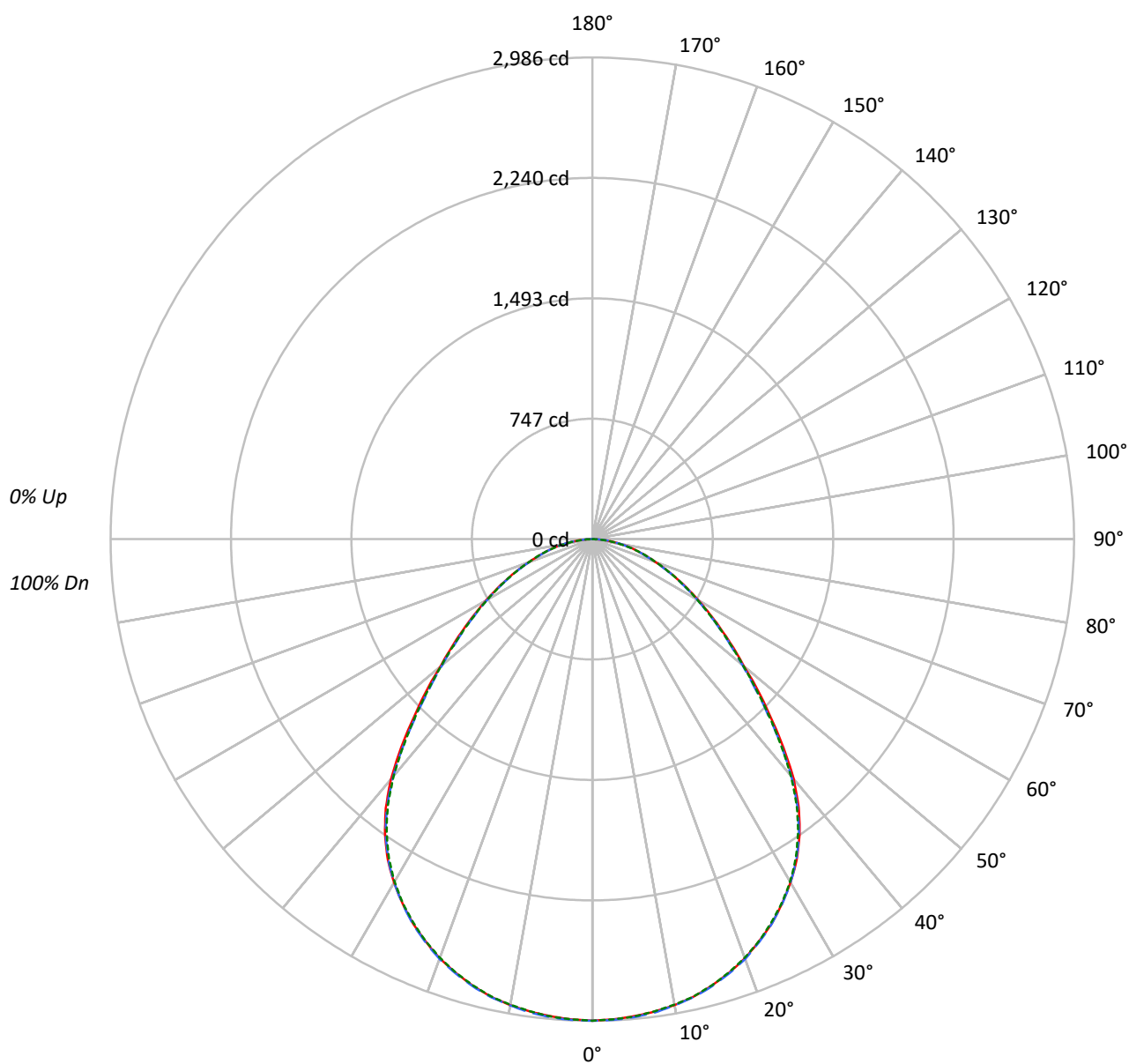
Lumens per Lamp: N/A
Luminaire Lumens: 6728.0 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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	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°	4017	4017	4017
5°	4010	4019	4013
10°	4007	4010	4004
15°	3991	3997	3988
20°	3960	3966	3954
25°	3904	3907	3895
30°	3819	3819	3809
35°	3679	3669	3651
40°	3409	3372	3361
45°	2980	2931	2944
50°	2573	2542	2555
55°	2287	2252	2257
60°	2047	2019	2019
65°	1835	1822	1828
70°	1651	1634	1651
75°	1531	1509	1531
80°	1429	1412	1363
85°	1210	1210	1079

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2980 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.7	4.2
10°-20°	808.9	12.0
20°-30°	1210.3	18.0
30°-40°	1386.7	20.6
40°-50°	1199.3	17.8
50°-60°	868.0	12.9
60°-70°	571.7	8.5
70°-80°	311.2	4.6
80°-90°	89.2	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°	2301.9	34.2
0°-40°	3688.6	54.8
0°-60°	5755.9	85.6
0°-90°	6728.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6728.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2986	2986	2986	2986	2986	
5°	2969	2975	2975	2975	2971	282
15°	2865	2867	2869	2874	2863	808
25°	2630	2630	2632	2634	2624	1210
35°	2240	2238	2234	2231	2223	1391
45°	1566	1562	1541	1538	1547	1213
55°	975	971	960	954	962	877
65°	576	581	572	568	574	576
75°	295	295	290	290	295	314
85°	78	78	78	80	70	91
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2985.9	2985.9	2985.9	2985.9	2985.9
2.5°	2979.5	2985.9	2983.7	2985.9	2979.5
5°	2968.9	2975.3	2975.3	2975.3	2971.0
7.5°	2954.1	2958.3	2960.4	2962.6	2952.0
10°	2932.9	2937.1	2935.0	2939.2	2930.8
12.5°	2905.3	2905.3	2907.5	2911.7	2903.2
15°	2865.1	2867.2	2869.3	2873.5	2863.0
17.5°	2818.4	2820.6	2822.7	2824.8	2816.3
20°	2765.5	2765.5	2769.7	2771.8	2761.2
22.5°	2699.8	2699.8	2704.0	2710.4	2697.7
25°	2629.8	2629.8	2632.0	2634.1	2623.5
27.5°	2547.2	2547.2	2549.3	2555.7	2543.0
30°	2458.2	2456.1	2458.2	2460.3	2451.8
32.5°	2358.6	2356.5	2354.4	2356.5	2345.9
35°	2239.9	2237.8	2233.6	2231.4	2223.0
37.5°	2102.2	2097.9	2089.5	2089.5	2081.0
40°	1941.1	1930.5	1919.9	1915.7	1913.6
42.5°	1754.6	1746.2	1731.3	1729.2	1729.2
45°	1566.0	1561.8	1540.6	1538.5	1547.0
47.5°	1396.5	1385.9	1366.8	1362.6	1375.3
50°	1229.1	1231.2	1214.3	1207.9	1220.6
52.5°	1097.7	1093.5	1078.6	1074.4	1085.0
55°	974.8	970.6	960.0	953.6	962.1
57.5°	862.5	860.4	849.8	847.7	851.9
60°	760.8	758.7	750.2	748.1	750.2
62.5°	665.4	665.4	656.9	652.7	659.1
65°	576.4	580.6	572.2	567.9	574.3
67.5°	495.9	500.1	491.6	487.4	495.9
70°	419.6	423.8	415.4	411.1	419.6
72.5°	353.9	356.0	349.7	347.5	358.1
75°	294.6	294.6	290.3	290.3	294.6
77.5°	239.5	237.3	235.2	235.2	231.0
80°	184.4	182.2	182.2	182.2	175.9
82.5°	131.4	127.1	129.3	131.4	120.8
85°	78.4	78.4	78.4	80.5	69.9
87.5°	31.8	31.8	29.7	31.8	27.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)