

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: P1050825

Luminaire Tested: 24PTR-80-PLG-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050825
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-L930-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

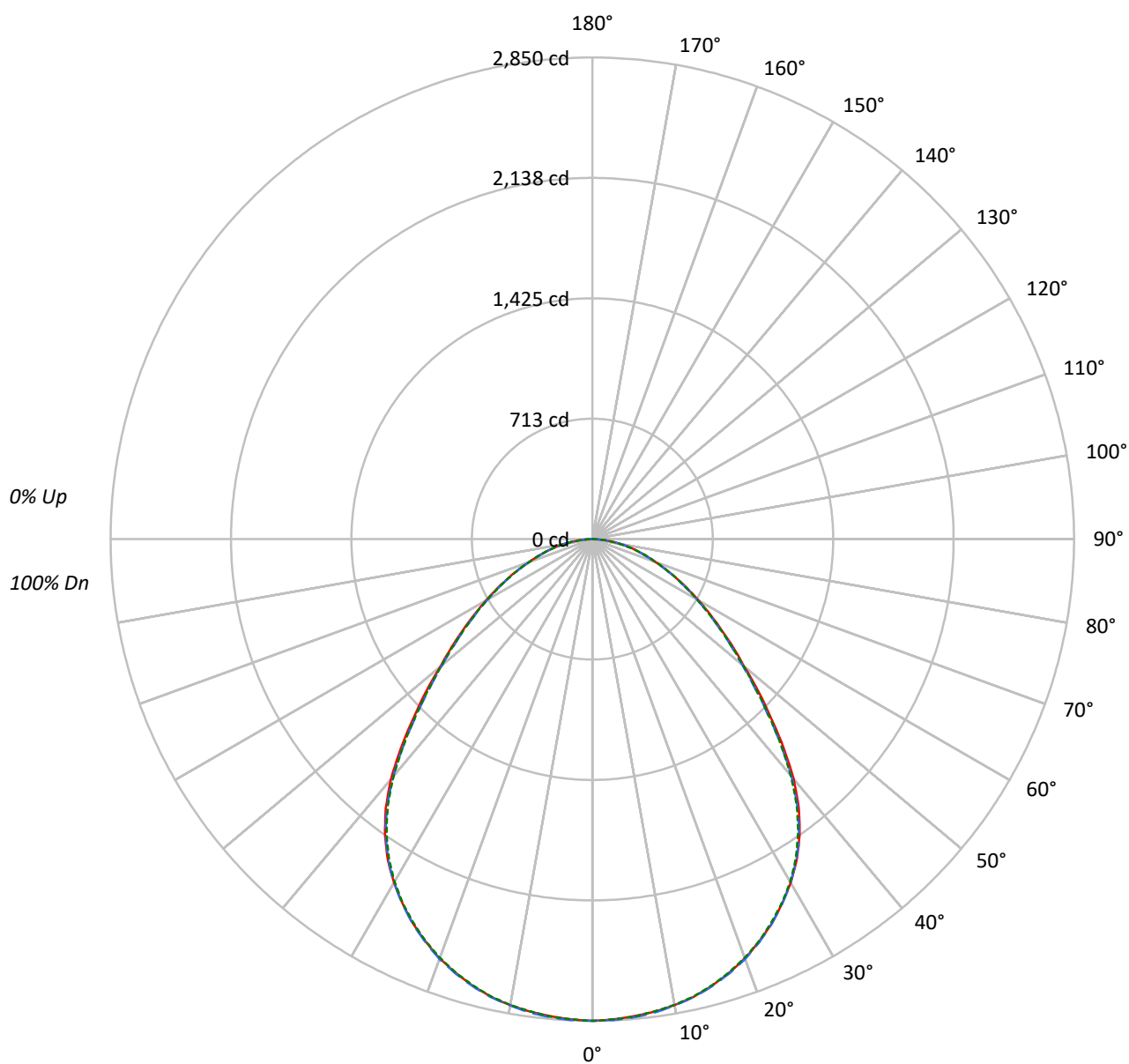
Lumens per Lamp: N/A
Luminaire Lumens: 6422.5 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86	84	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74	72	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64	62	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56	54	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49	47	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43	41	43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39	37	39
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35	33	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32	30	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29	27	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3835	3835	3835
5°	3828	3836	3831
10°	3825	3828	3822
15°	3810	3815	3807
20°	3780	3786	3774
25°	3727	3730	3718
30°	3646	3646	3636
35°	3512	3502	3485
40°	3255	3219	3208
45°	2845	2798	2810
50°	2456	2426	2439
55°	2183	2150	2154
60°	1954	1927	1927
65°	1752	1739	1745
70°	1576	1560	1576
75°	1462	1441	1462
80°	1364	1348	1301
85°	1155	1155	1031

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2845 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.9	4.2
10°-20°	772.2	12.0
20°-30°	1155.4	18.0
30°-40°	1323.7	20.6
40°-50°	1144.9	17.8
50°-60°	828.6	12.9
60°-70°	545.8	8.5
70°-80°	297.1	4.6
80°-90°	85.1	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°	2197.4	34.2
0°-40°	3521.1	54.8
0°-60°	5494.6	85.6
0°-90°	6422.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6422.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2850	2850	2850	2850	2850	
5°	2834	2840	2840	2840	2836	269
15°	2735	2737	2739	2743	2733	771
25°	2510	2510	2512	2514	2504	1155
35°	2138	2136	2132	2130	2122	1328
45°	1495	1491	1471	1469	1477	1158
55°	930	926	916	910	918	838
65°	550	554	546	542	548	549
75°	281	281	277	277	281	300
85°	75	75	75	77	67	87
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2850.3	2850.3	2850.3	2850.3	2850.3
2.5°	2844.2	2850.3	2848.3	2850.3	2844.2
5°	2834.1	2840.2	2840.2	2840.2	2836.1
7.5°	2819.9	2824.0	2826.0	2828.0	2817.9
10°	2799.7	2803.8	2801.7	2805.8	2797.7
12.5°	2773.4	2773.4	2775.4	2779.5	2771.4
15°	2735.0	2737.0	2739.0	2743.1	2733.0
17.5°	2690.5	2692.5	2694.5	2696.5	2688.5
20°	2639.9	2639.9	2644.0	2646.0	2635.9
22.5°	2577.2	2577.2	2581.2	2587.3	2575.2
25°	2510.4	2510.4	2512.5	2514.5	2504.4
27.5°	2431.5	2431.5	2433.6	2439.6	2427.5
30°	2346.6	2344.6	2346.6	2348.6	2340.5
32.5°	2251.5	2249.5	2247.5	2249.5	2239.4
35°	2138.2	2136.2	2132.2	2130.1	2122.0
37.5°	2006.7	2002.7	1994.6	1994.6	1986.5
40°	1853.0	1842.9	1832.8	1828.7	1826.7
42.5°	1675.0	1666.9	1652.7	1650.7	1650.7
45°	1494.9	1490.9	1470.7	1468.6	1476.7
47.5°	1333.1	1323.0	1304.8	1300.7	1312.9
50°	1173.3	1175.3	1159.1	1153.1	1165.2
52.5°	1047.9	1043.8	1029.7	1025.6	1035.7
55°	930.5	926.5	916.4	910.3	918.4
57.5°	823.3	821.3	811.2	809.2	813.2
60°	726.2	724.2	716.1	714.1	716.1
62.5°	635.2	635.2	627.1	623.1	629.1
65°	550.2	554.3	546.2	542.1	548.2
67.5°	473.4	477.4	469.3	465.3	473.4
70°	400.5	404.6	396.5	392.4	400.5
72.5°	337.8	339.9	333.8	331.8	341.9
75°	281.2	281.2	277.1	277.1	281.2
77.5°	228.6	226.6	224.5	224.5	220.5
80°	176.0	174.0	174.0	174.0	167.9
82.5°	125.4	121.4	123.4	125.4	115.3
85°	74.8	74.8	74.8	76.9	66.8
87.5°	30.3	30.3	28.3	30.3	26.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)