

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: P1050594

Luminaire Tested: 24PTR-80-PB1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050594
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-80-PB1-L930-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

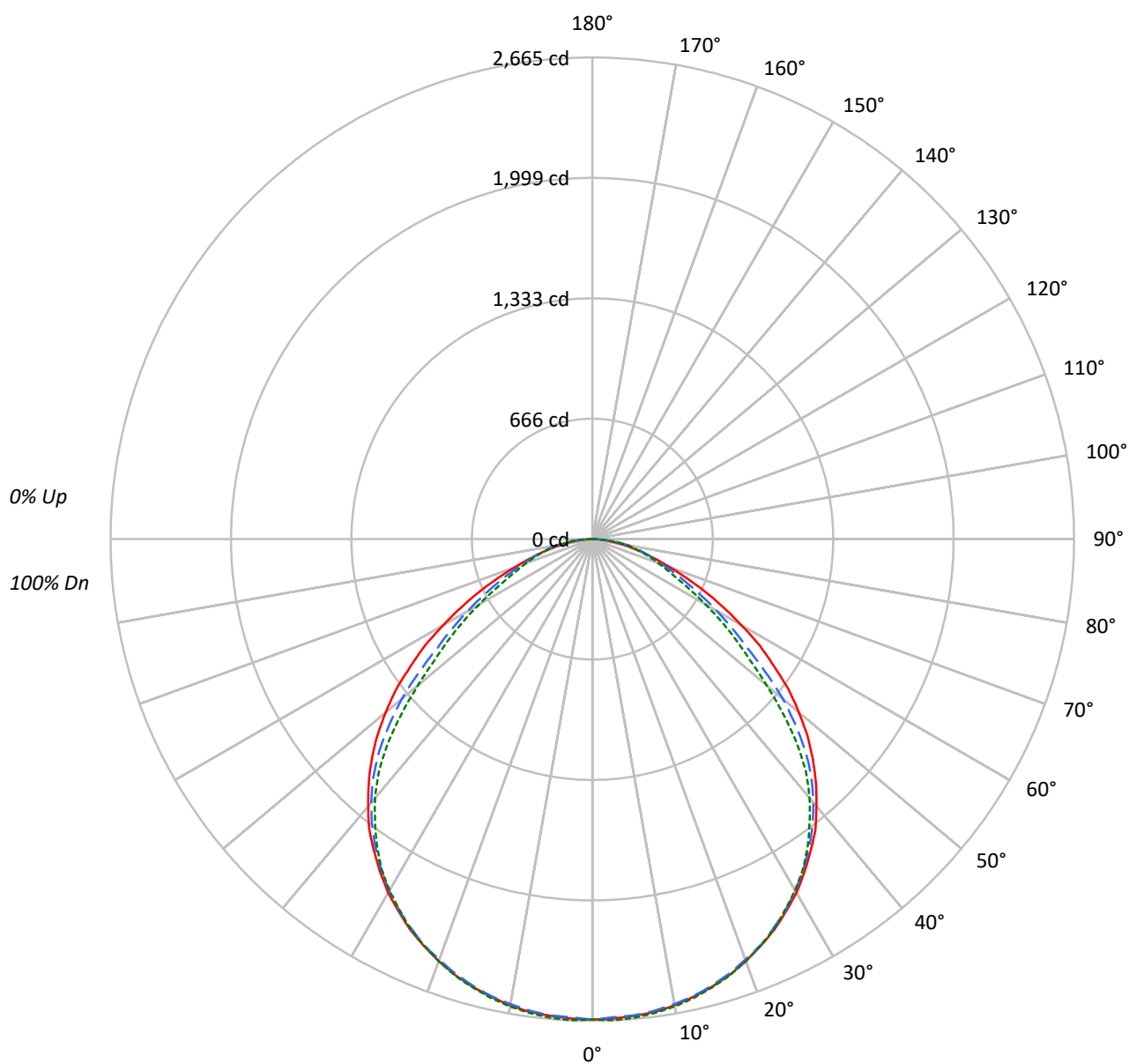
Lumens per Lamp: N/A
Luminaire Lumens: 6628.0 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3576	3576	3576
5°	3577	3572	3590
10°	3578	3569	3587
15°	3571	3562	3575
20°	3558	3544	3558
25°	3539	3524	3533
30°	3510	3490	3484
35°	3458	3432	3410
40°	3388	3342	3284
45°	3285	3179	3048
50°	3121	2881	2635
55°	2876	2447	2270
60°	2560	2138	1944
65°	2196	1853	1656
70°	1814	1634	1518
75°	1529	1563	1479
80°	1292	1595	1521
85°	1013	1616	1414

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3285 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.0	3.8
10°-20°	723.2	10.9
20°-30°	1095.5	16.5
30°-40°	1305.3	19.7
40°-50°	1276.5	19.3
50°-60°	965.5	14.6
60°-70°	593.2	8.9
70°-80°	316.0	4.8
80°-90°	100.8	1.5
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°	2070.7	31.2
0°-40°	3376.0	50.9
0°-60°	5618.0	84.8
0°-90°	6628.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6628.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2658	2658	2658	2658	2658	
5°	2648	2652	2645	2655	2658	252
15°	2563	2566	2557	2566	2566	723
25°	2384	2380	2374	2377	2380	1098
35°	2105	2102	2089	2079	2076	1317
45°	1726	1717	1671	1615	1602	1328
55°	1226	1164	1043	984	968	1098
65°	690	634	582	536	520	687
75°	294	298	301	291	284	315
85°	66	85	105	98	92	79
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2658.1	2658.1	2658.1	2658.1	2658.1
2.5°	2655.0	2658.1	2648.1	2661.5	2664.6
5°	2648.1	2651.5	2645.0	2655.0	2658.1
7.5°	2638.5	2638.5	2632.0	2641.6	2645.0
10°	2618.9	2618.9	2612.4	2622.0	2625.5
12.5°	2592.8	2592.8	2589.4	2595.9	2599.4
15°	2563.3	2566.4	2556.8	2566.4	2566.4
17.5°	2527.3	2524.2	2520.8	2527.3	2530.7
20°	2484.7	2484.7	2475.1	2481.6	2484.7
22.5°	2435.6	2435.6	2432.6	2435.6	2432.6
25°	2383.5	2380.0	2373.5	2376.9	2380.0
27.5°	2321.3	2321.3	2314.8	2314.8	2311.4
30°	2259.2	2255.8	2246.2	2239.7	2242.7
32.5°	2184.0	2180.6	2171.0	2164.5	2167.6
35°	2105.4	2102.4	2089.3	2079.4	2076.3
37.5°	2027.2	2017.2	2000.8	1987.7	1974.7
40°	1929.0	1919.1	1902.9	1873.4	1870.0
42.5°	1830.9	1821.2	1794.8	1759.1	1749.2
45°	1726.2	1716.6	1670.6	1615.0	1601.9
47.5°	1615.0	1598.8	1526.7	1458.1	1432.0
50°	1491.0	1461.5	1376.4	1288.2	1258.7
52.5°	1369.9	1317.7	1206.5	1127.9	1098.7
55°	1226.1	1163.9	1043.1	984.1	967.6
57.5°	1098.7	1013.6	915.4	856.7	843.7
60°	951.5	872.9	794.6	742.1	722.5
62.5°	817.3	748.6	683.4	637.4	614.7
65°	689.9	634.3	582.1	536.1	520.0
67.5°	565.7	536.1	493.6	457.9	447.9
70°	461.0	444.5	415.3	398.8	385.8
72.5°	366.2	372.8	353.2	346.7	336.7
75°	294.2	297.6	300.7	291.1	284.5
77.5°	222.4	238.6	251.6	245.1	238.6
80°	166.8	182.9	205.9	196.3	196.3
82.5°	114.3	134.2	153.8	147.3	143.8
85°	65.6	85.1	104.7	98.2	91.6
87.5°	26.1	42.6	45.7	45.7	42.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)