

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: P1051023

Luminaire Tested: 24PTR-80-PW1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051023
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-80-PW1-L835-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

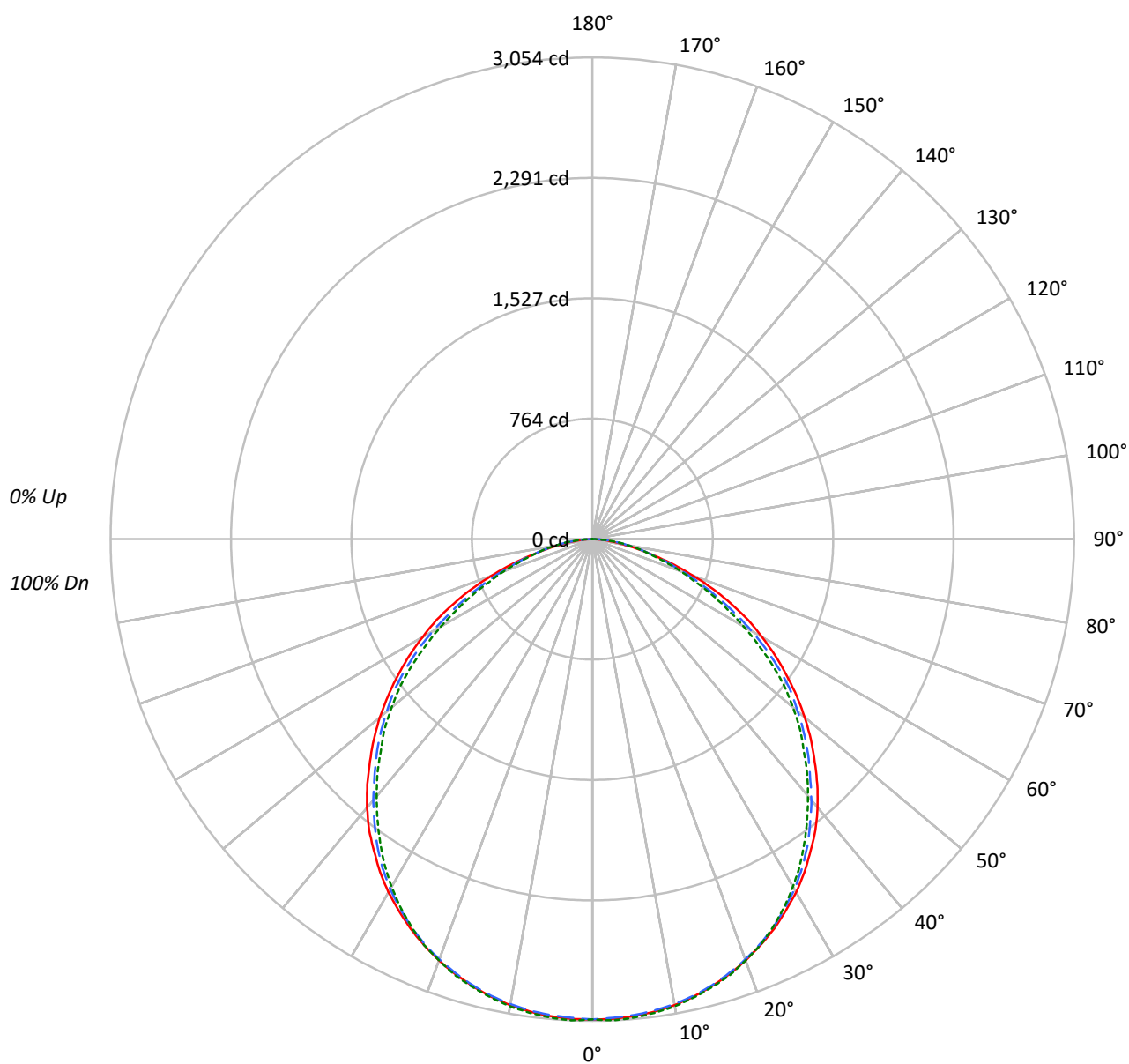
Lumens per Lamp: N/A
Luminaire Lumens: 8081.1 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	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	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4097	4097	4097
5°	4101	4092	4113
10°	4099	4090	4110
15°	4086	4080	4095
20°	4069	4060	4069
25°	4047	4030	4027
30°	4016	3981	3953
35°	3963	3903	3853
40°	3902	3795	3735
45°	3794	3682	3607
50°	3679	3559	3477
55°	3526	3407	3271
60°	3343	3145	2981
65°	3092	2809	2670
70°	2681	2445	2353
75°	2140	2093	2036
80°	1626	1817	1817
85°	1203	1551	1551

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3794 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.8	3.6
10°-20°	828.3	10.2
20°-30°	1251.8	15.5
30°-40°	1486.4	18.4
40°-50°	1497.5	18.5
50°-60°	1294.4	16.0
60°-70°	884.7	10.9
70°-80°	436.3	5.4
80°-90°	112.8	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°	2368.9	29.3
0°-40°	3855.3	47.7
0°-60°	6647.3	82.3
0°-90°	8081.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8081.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3045	3045	3045	3045	3045	
5°	3036	3037	3030	3042	3045	289
15°	2934	2937	2929	2939	2940	828
25°	2726	2724	2715	2717	2713	1256
35°	2412	2404	2376	2355	2346	1510
45°	1994	1972	1935	1912	1895	1539
55°	1503	1499	1452	1409	1394	1344
65°	971	936	882	844	838	959
75°	412	408	403	403	392	449
85°	78	91	100	102	100	95
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3045.1	3045.1	3045.1	3045.1	3045.1
2.5°	3044.3	3045.1	3037.3	3050.8	3054.1
5°	3036.1	3037.3	3029.5	3041.8	3045.1
7.5°	3021.7	3023.8	3014.7	3027.0	3029.5
10°	3000.0	3001.2	2993.4	3005.7	3008.2
12.5°	2970.9	2971.7	2965.1	2976.2	2976.2
15°	2933.6	2936.8	2929.1	2939.3	2940.1
17.5°	2891.7	2893.0	2885.2	2896.3	2898.7
20°	2842.1	2842.1	2835.6	2844.6	2842.1
22.5°	2786.8	2786.8	2779.0	2783.5	2785.6
25°	2726.1	2723.6	2714.6	2717.1	2712.6
27.5°	2656.0	2656.0	2640.0	2640.0	2632.2
30°	2585.1	2579.3	2562.5	2552.3	2544.5
32.5°	2503.5	2495.7	2474.4	2456.3	2450.6
35°	2412.5	2404.3	2376.0	2354.6	2345.6
37.5°	2324.3	2306.3	2268.9	2247.6	2237.4
40°	2221.4	2198.8	2160.7	2131.2	2126.7
42.5°	2111.1	2093.1	2043.4	2021.7	2016.4
45°	1993.8	1972.1	1934.8	1912.2	1895.4
47.5°	1878.6	1862.6	1820.0	1792.9	1787.2
50°	1757.7	1744.1	1700.3	1671.2	1660.9
52.5°	1632.6	1623.6	1586.3	1549.0	1536.7
55°	1503.1	1498.6	1452.2	1409.2	1394.4
57.5°	1375.6	1369.8	1312.0	1262.4	1248.9
60°	1242.3	1225.5	1168.9	1122.6	1107.8
62.5°	1116.0	1079.9	1018.9	982.8	966.0
65°	971.3	936.4	882.3	843.8	838.5
67.5°	829.4	787.6	745.8	722.0	704.0
70°	681.4	653.1	621.6	601.5	598.2
72.5°	543.7	523.6	507.6	495.3	485.0
75°	411.6	408.4	402.6	402.6	391.6
77.5°	302.6	310.4	314.9	313.7	316.1
80°	209.9	225.5	234.5	235.8	234.5
82.5°	133.3	151.3	166.1	168.1	170.6
85°	77.9	91.4	100.5	102.5	100.5
87.5°	34.9	43.9	46.3	48.4	46.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)