

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: P1050561

Luminaire Tested: 24PTR-80-PB1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050561
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-L835-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

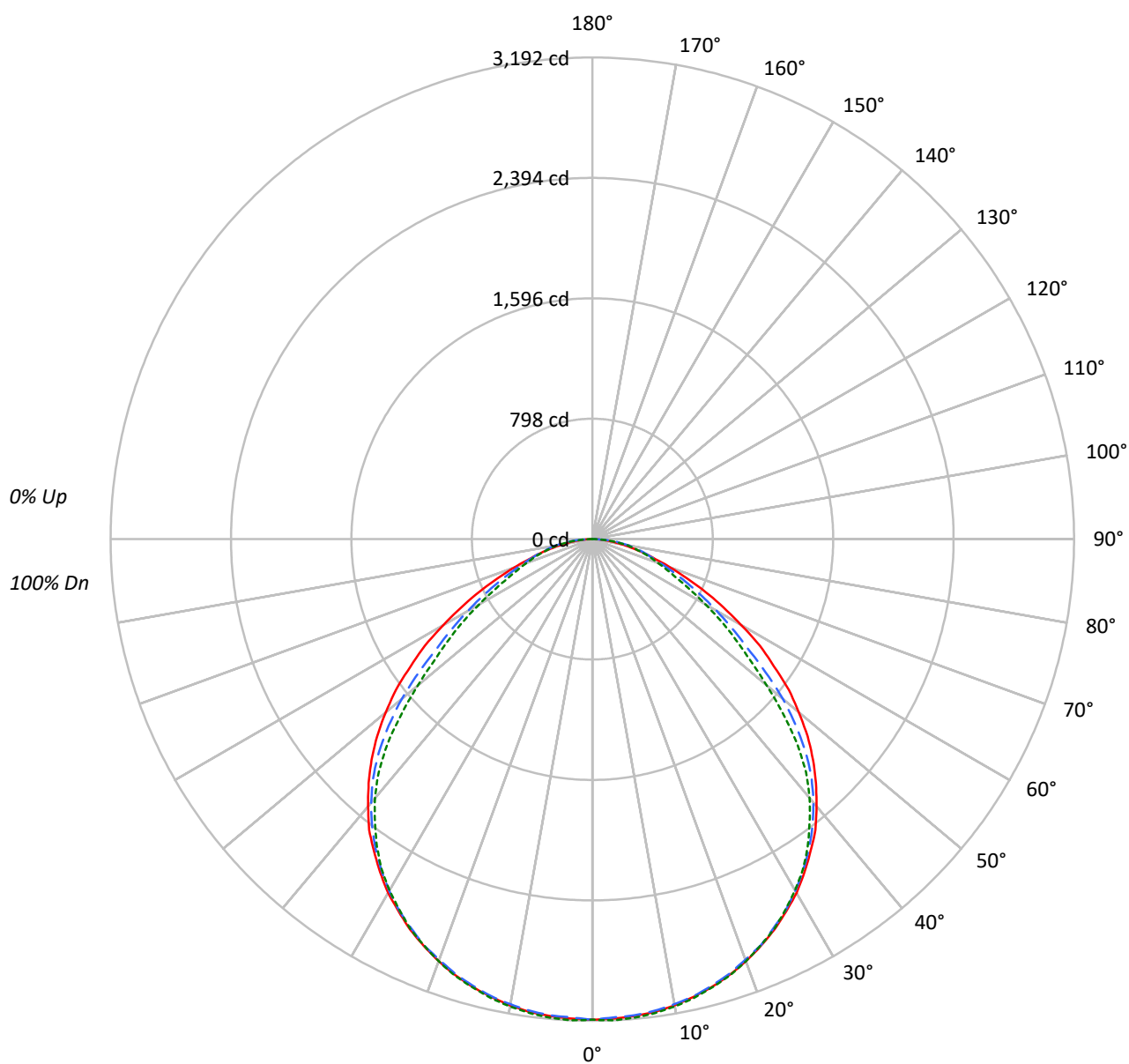
Lumens per Lamp: N/A
Luminaire Lumens: 7940.4 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	88	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	75	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	64	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	56	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	49	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	44	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	39	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	35	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	32	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4285	4285	4285
5°	4285	4280	4301
10°	4287	4276	4297
15°	4278	4267	4283
20°	4262	4246	4262
25°	4239	4221	4233
30°	4205	4181	4174
35°	4143	4111	4086
40°	4059	4004	3935
45°	3935	3808	3652
50°	3739	3451	3156
55°	3445	2932	2719
60°	3067	2562	2329
65°	2631	2220	1983
70°	2173	1958	1818
75°	1832	1873	1772
80°	1548	1912	1822
85°	1212	1936	1695

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3935 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.9	3.8
10°-20°	866.4	10.9
20°-30°	1312.4	16.5
30°-40°	1563.8	19.7
40°-50°	1529.2	19.3
50°-60°	1156.7	14.6
60°-70°	710.6	8.9
70°-80°	378.6	4.8
80°-90°	120.8	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°	2480.7	31.2
0°-40°	4044.5	50.9
0°-60°	6730.4	84.8
0°-90°	7940.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7940.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3184	3184	3184	3184	3184	
5°	3172	3177	3169	3181	3184	302
15°	3071	3075	3063	3075	3075	867
25°	2855	2851	2844	2848	2851	1315
35°	2522	2519	2503	2491	2487	1578
45°	2068	2056	2001	1935	1919	1591
55°	1469	1394	1250	1179	1159	1315
65°	826	760	697	642	623	822
75°	352	356	360	349	341	378
85°	78	102	125	118	110	94
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3184.4	3184.4	3184.4	3184.4	3184.4
2.5°	3180.7	3184.4	3172.5	3188.5	3192.2
5°	3172.5	3176.6	3168.8	3180.7	3184.4
7.5°	3160.9	3160.9	3153.1	3164.6	3168.8
10°	3137.5	3137.5	3129.7	3141.2	3145.3
12.5°	3106.3	3106.3	3102.1	3110.0	3114.1
15°	3070.9	3074.6	3063.1	3074.6	3074.6
17.5°	3027.7	3024.0	3019.9	3027.7	3031.8
20°	2976.7	2976.7	2965.2	2973.0	2976.7
22.5°	2917.9	2917.9	2914.2	2917.9	2914.2
25°	2855.4	2851.3	2843.5	2847.6	2851.3
27.5°	2781.0	2781.0	2773.2	2773.2	2769.1
30°	2706.6	2702.5	2690.9	2683.1	2686.8
32.5°	2616.5	2612.4	2600.9	2593.1	2596.8
35°	2522.3	2518.6	2503.0	2491.1	2487.4
37.5°	2428.6	2416.7	2396.9	2381.3	2365.7
40°	2311.0	2299.1	2279.7	2244.4	2240.3
42.5°	2193.4	2181.9	2150.2	2107.4	2095.5
45°	2068.0	2056.4	2001.3	1934.7	1919.1
47.5°	1934.7	1915.4	1829.0	1746.8	1715.6
50°	1786.3	1750.9	1648.9	1543.3	1507.9
52.5°	1641.1	1578.6	1445.4	1351.2	1316.3
55°	1468.8	1394.4	1249.7	1178.9	1159.2
57.5°	1316.3	1214.3	1096.7	1026.4	1010.7
60°	1139.9	1045.7	951.9	889.0	865.6
62.5°	979.1	896.8	818.7	763.6	736.5
65°	826.5	759.9	697.4	642.3	623.0
67.5°	677.7	642.3	591.3	548.5	536.6
70°	552.3	532.5	497.6	477.8	462.2
72.5°	438.8	446.6	423.1	415.3	403.4
75°	352.4	356.5	360.2	348.7	340.9
77.5°	266.5	285.8	301.4	293.6	285.8
80°	199.8	219.2	246.7	235.2	235.2
82.5°	136.9	160.8	184.2	176.4	172.3
85°	78.5	102.0	125.4	117.6	109.8
87.5°	31.3	51.0	54.7	54.7	51.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)