

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: P1050619

Luminaire Tested: 24PTR-20-PC3-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050619
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-20-PC3-L830-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

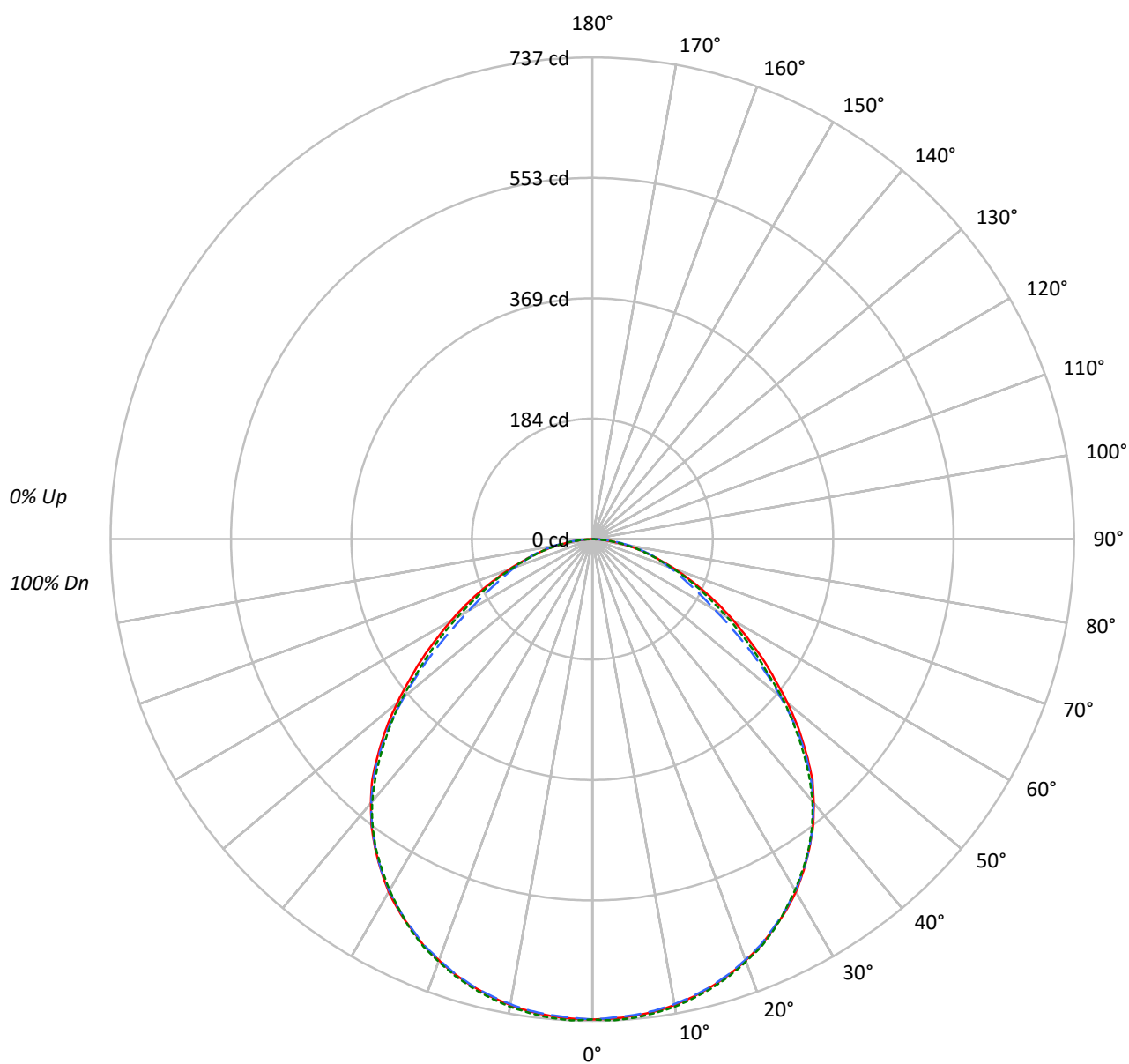
Lumens per Lamp: N/A
Luminaire Lumens: 1852.7 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 15
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	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	989	989	989
5°	989	987	993
10°	989	987	993
15°	987	986	990
20°	982	981	985
25°	976	974	978
30°	968	965	963
35°	951	950	948
40°	926	924	920
45°	880	874	865
50°	815	787	796
55°	744	683	714
60°	671	583	639
65°	599	521	575
70°	531	493	517
75°	470	478	461
80°	405	456	403
85°	304	361	304

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 882 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.7	3.8
10°-20°	200.1	10.8
20°-30°	302.9	16.3
30°-40°	361.1	19.5
40°-50°	352.9	19.0
50°-60°	269.8	14.6
60°-70°	173.2	9.3
70°-80°	96.4	5.2
80°-90°	26.6	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°	572.7	30.9
0°-40°	933.8	50.4
0°-60°	1556.5	84.0
0°-90°	1852.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1852.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	735	735	735	735	735	
5°	732	733	731	734	735	70
15°	708	709	708	710	711	200
25°	657	658	656	658	659	303
35°	579	579	578	578	577	362
45°	463	464	459	458	454	356
55°	317	306	291	295	304	283
65°	188	174	164	169	181	188
75°	90	91	92	91	89	97
85°	20	23	23	23	20	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	734.9	734.9	734.9	734.9	734.9
2.5°	734.4	734.7	732.8	735.9	737.0
5°	732.3	732.8	731.0	734.4	735.2
7.5°	729.1	729.6	727.8	731.2	731.5
10°	723.9	724.2	722.6	726.0	726.5
12.5°	716.8	717.6	715.8	718.9	719.1
15°	708.3	708.9	707.6	709.9	710.7
17.5°	698.4	698.7	697.3	699.9	700.2
20°	686.0	686.0	684.9	687.9	687.9
22.5°	673.4	672.6	672.3	673.4	675.0
25°	657.1	657.9	656.1	658.2	658.7
27.5°	641.4	641.4	639.8	640.8	639.5
30°	623.2	622.2	621.1	621.3	620.1
32.5°	601.4	601.4	600.9	600.9	599.3
35°	578.8	579.3	578.3	578.0	577.2
37.5°	554.6	555.4	553.5	553.0	552.5
40°	527.0	527.0	526.2	525.2	523.8
42.5°	498.3	498.3	495.0	492.3	490.5
45°	462.6	463.7	459.2	458.1	454.5
47.5°	427.1	426.3	420.3	419.5	417.4
50°	389.3	384.8	376.2	378.5	380.4
52.5°	351.4	345.9	333.3	335.9	339.0
55°	317.0	306.0	291.3	294.9	304.4
57.5°	281.0	266.3	251.5	258.4	270.2
60°	249.2	232.6	216.6	223.9	237.6
62.5°	218.7	201.1	188.2	195.3	206.9
65°	188.2	173.7	163.8	169.2	180.6
67.5°	160.3	150.6	143.8	146.4	155.6
70°	135.1	129.0	125.4	126.2	131.4
72.5°	111.2	109.6	108.3	108.3	108.8
75°	90.4	91.2	92.0	90.7	88.6
77.5°	71.2	73.8	75.7	73.1	70.5
80°	52.3	56.5	58.9	56.0	52.0
82.5°	35.7	40.5	41.3	39.4	35.0
85°	19.7	23.1	23.4	22.6	19.7
87.5°	7.4	8.7	9.5	8.7	7.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)