

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: P1050707

Luminaire Tested: 24PTR-20-PL1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050707
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-20-PL1-L835-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

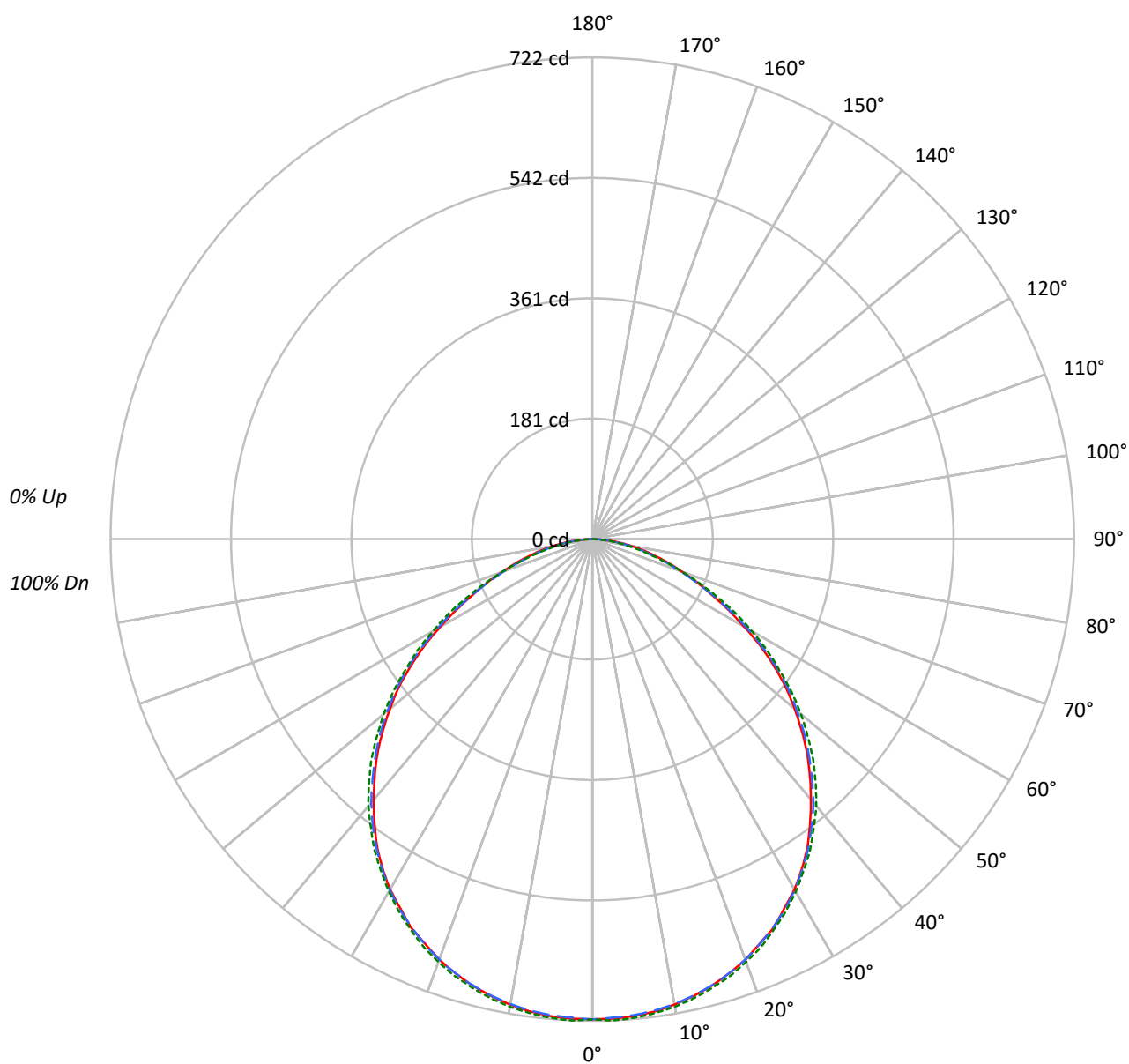
Lumens per Lamp: N/A
Luminaire Lumens: 1897.3 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	968	968	968
5°	969	967	973
10°	968	967	972
15°	965	965	969
20°	960	960	966
25°	954	953	958
30°	942	943	948
35°	924	927	935
40°	895	905	917
45°	867	874	891
50°	829	838	854
55°	781	793	803
60°	708	723	741
65°	629	636	662
70°	562	551	565
75°	507	478	468
80°	461	428	380
85°	391	355	306

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 45°
Luminance: 891 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.3	3.6
10°-20°	195.8	10.3
20°-30°	296.2	15.6
30°-40°	353.1	18.6
40°-50°	355.0	18.7
50°-60°	301.3	15.9
60°-70°	200.6	10.6
70°-80°	100.2	5.3
80°-90°	26.8	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°	560.3	29.5
0°-40°	913.4	48.1
0°-60°	1569.7	82.7
0°-90°	1897.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1897.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	720	720	720	720	720	
5°	718	718	716	720	720	68
15°	693	694	693	696	696	195
25°	642	642	642	645	645	295
35°	562	563	564	568	569	351
45°	456	456	460	466	468	351
55°	333	335	338	341	342	297
65°	198	199	200	203	208	198
75°	98	96	92	90	90	105
85°	25	25	23	22	20	29
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	719.8	719.8	719.8	719.8	719.8
2.5°	719.2	719.8	717.8	721.3	722.2
5°	717.7	717.8	716.3	719.5	720.3
7.5°	714.2	714.5	712.8	716.3	716.8
10°	708.5	709.1	707.8	711.0	711.7
12.5°	701.4	702.1	700.8	704.3	704.9
15°	692.8	693.6	692.6	695.5	696.0
17.5°	682.4	683.0	682.4	685.1	686.6
20°	670.7	670.7	670.7	673.1	674.4
22.5°	656.0	657.4	656.8	660.0	661.4
25°	642.5	642.5	641.6	644.6	645.1
27.5°	623.5	625.6	625.4	628.0	628.6
30°	606.1	606.7	607.0	608.8	609.9
32.5°	585.1	585.6	586.4	589.1	589.4
35°	562.4	563.0	564.5	568.5	569.1
37.5°	536.1	539.0	540.3	544.6	545.1
40°	509.6	511.4	515.5	520.0	522.1
42.5°	482.7	484.8	487.2	493.3	495.3
45°	455.7	456.5	459.5	465.6	468.3
47.5°	425.9	428.3	430.9	436.3	437.9
50°	396.0	398.7	400.3	405.0	408.2
52.5°	365.9	368.3	370.2	373.1	376.3
55°	332.9	335.2	338.2	341.4	342.2
57.5°	299.2	301.8	303.8	307.2	310.7
60°	263.2	266.2	268.8	272.0	275.5
62.5°	229.7	230.9	233.6	239.0	244.0
65°	197.6	199.2	199.7	202.7	207.8
67.5°	170.9	170.9	168.5	169.6	175.2
70°	142.9	141.9	140.0	139.0	143.5
72.5°	120.3	118.9	114.9	113.1	115.5
75°	97.6	96.2	92.0	89.8	90.1
77.5°	78.4	76.3	72.8	69.1	68.3
80°	59.5	58.6	55.2	51.7	49.0
82.5°	42.2	40.3	38.4	36.2	34.1
85°	25.3	24.8	23.0	21.6	19.8
87.5°	10.4	10.4	9.9	9.3	8.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)