

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: P1051015

Luminaire Tested: 24PTR-20-PW1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051015
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-20-PW1-L835-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

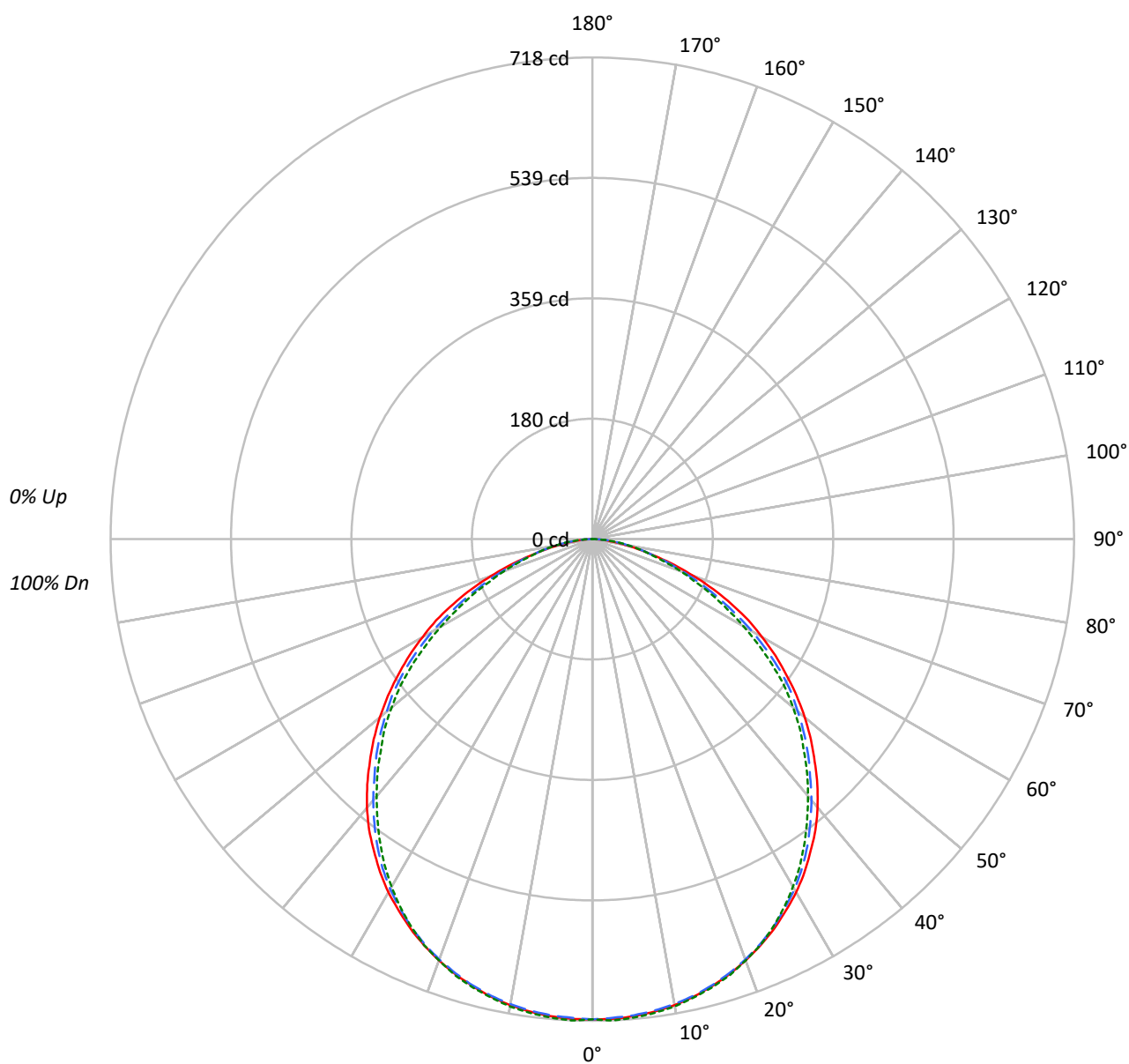
Lumens per Lamp: N/A
Luminaire Lumens: 1900.2 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	963	963	963
5°	964	962	967
10°	964	962	966
15°	961	959	963
20°	957	955	957
25°	952	948	947
30°	944	936	930
35°	932	918	906
40°	918	892	878
45°	892	866	848
50°	865	837	818
55°	829	801	769
60°	786	740	701
65°	727	661	628
70°	630	575	554
75°	503	492	479
80°	383	427	427
85°	283	364	364

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 892 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.9	3.6
10°-20°	194.8	10.2
20°-30°	294.4	15.5
30°-40°	349.5	18.4
40°-50°	352.1	18.5
50°-60°	304.4	16.0
60°-70°	208.0	10.9
70°-80°	102.6	5.4
80°-90°	26.5	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°	557.0	29.3
0°-40°	906.6	47.7
0°-60°	1563.1	82.3
0°-90°	1900.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1900.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	716	716	716	716	716	
5°	714	714	712	715	716	68
15°	690	691	689	691	691	195
25°	641	640	638	639	638	295
35°	567	565	559	554	552	355
45°	469	464	455	450	446	362
55°	353	352	342	331	328	316
65°	228	220	208	198	197	225
75°	97	96	95	95	92	106
85°	18	22	24	24	24	22
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	716.0	716.0	716.0	716.0	716.0
2.5°	715.8	716.0	714.2	717.4	718.2
5°	713.9	714.2	712.4	715.3	716.0
7.5°	710.5	711.0	708.9	711.8	712.4
10°	705.4	705.7	703.9	706.8	707.4
12.5°	698.6	698.8	697.2	699.8	699.8
15°	689.8	690.6	688.8	691.2	691.4
17.5°	680.0	680.3	678.4	681.0	681.6
20°	668.3	668.3	666.8	668.9	668.3
22.5°	655.3	655.3	653.5	654.5	655.0
25°	641.0	640.5	638.3	638.9	637.8
27.5°	624.5	624.5	620.8	620.8	619.0
30°	607.9	606.5	602.6	600.2	598.3
32.5°	588.7	586.8	581.8	577.6	576.2
35°	567.3	565.3	558.7	553.7	551.6
37.5°	546.5	542.3	533.5	528.5	526.1
40°	522.4	517.0	508.1	501.1	500.1
42.5°	496.4	492.2	480.5	475.4	474.1
45°	468.8	463.7	455.0	449.7	445.7
47.5°	441.8	438.0	428.0	421.6	420.3
50°	413.3	410.1	399.8	393.0	390.6
52.5°	383.9	381.8	373.0	364.2	361.3
55°	353.4	352.4	341.5	331.4	327.9
57.5°	323.5	322.1	308.5	296.8	293.7
60°	292.1	288.2	274.9	264.0	260.5
62.5°	262.4	253.9	239.6	231.1	227.1
65°	228.4	220.2	207.5	198.4	197.2
67.5°	195.0	185.2	175.4	169.8	165.5
70°	160.2	153.6	146.2	141.4	140.7
72.5°	127.8	123.1	119.4	116.5	114.1
75°	96.8	96.0	94.7	94.7	92.1
77.5°	71.2	73.0	74.0	73.8	74.3
80°	49.4	53.0	55.1	55.4	55.1
82.5°	31.3	35.6	39.0	39.5	40.1
85°	18.3	21.5	23.6	24.1	23.6
87.5°	8.2	10.3	10.9	11.4	10.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)