

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: P1471689

Luminaire Tested: 22PTR-20S-PP3-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471689
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20S-PP3-L835-UNV-STD-B
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PP3 Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

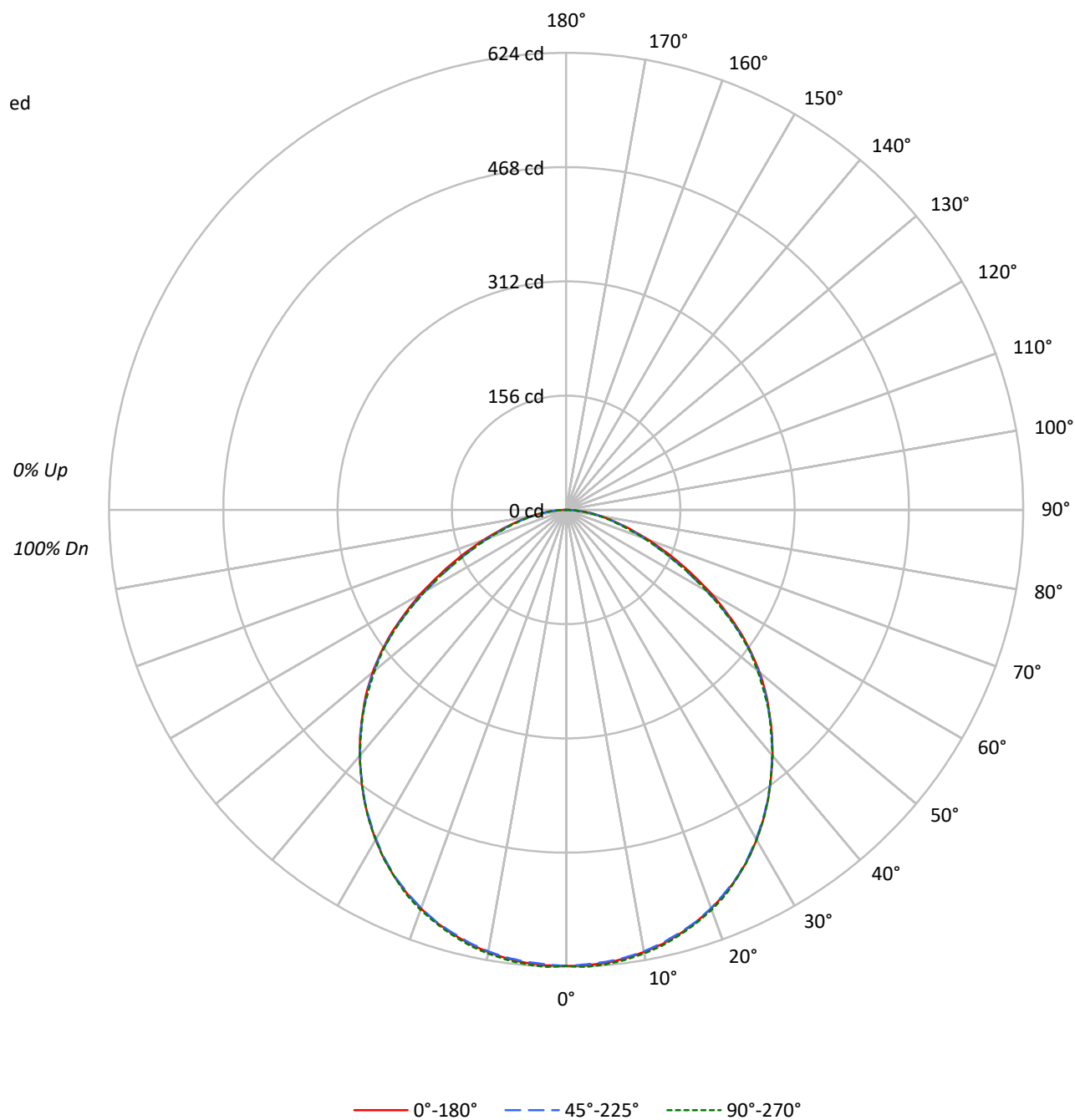
Lumens per Lamp: N/A
Luminaire Lumens: 1608.8 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 15.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1676	1676	1676
5°	1677	1673	1682
10°	1675	1672	1680
15°	1669	1666	1673
20°	1658	1657	1664
25°	1643	1641	1643
30°	1616	1612	1616
35°	1581	1578	1580
40°	1540	1535	1539
45°	1494	1490	1491
50°	1444	1437	1427
55°	1359	1344	1339
60°	1234	1192	1194
65°	1084	1029	1028
70°	937	895	884
75°	810	781	763
80°	717	708	676
85°	593	614	577

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1499 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.0	3.7
10°-20°	169.2	10.5
20°-30°	254.7	15.8
30°-40°	300.6	18.7
40°-50°	302.3	18.8
50°-60°	255.2	15.9
60°-70°	163.9	10.2
70°-80°	81.5	5.1
80°-90°	22.3	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°	482.9	30.0
0°-40°	783.5	48.7
0°-60°	1341.0	83.4
0°-90°	1608.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1608.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	623	623	623	623	623	
5°	621	621	620	622	623	59
15°	599	599	598	601	601	169
25°	554	554	553	554	553	255
35°	481	481	480	481	481	301
45°	393	394	391	392	392	303
55°	290	290	286	285	286	258
65°	170	168	162	160	161	170
75°	78	78	75	74	73	84
85°	19	20	20	19	19	23
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	622.7	622.7	622.7	622.7	622.7
2.5°	622.4	622.7	621.0	624.0	624.5
5°	620.9	621.0	619.5	622.4	622.8
7.5°	617.7	617.9	616.5	619.2	619.7
10°	612.9	613.6	612.0	614.5	614.9
12.5°	607.1	607.3	605.7	608.6	609.1
15°	599.2	599.3	598.0	600.7	600.7
17.5°	590.1	590.3	589.4	591.7	591.5
20°	579.1	579.7	578.6	580.1	581.0
22.5°	567.1	567.3	565.9	568.0	568.9
25°	553.5	553.7	552.6	553.7	553.3
27.5°	537.7	538.1	536.5	537.7	537.9
30°	520.0	521.2	518.9	519.8	520.0
32.5°	501.0	501.7	500.1	500.4	501.5
35°	481.2	481.4	480.5	480.9	480.9
37.5°	459.7	460.6	459.2	459.9	459.0
40°	438.5	437.6	437.1	437.6	438.2
42.5°	416.0	416.3	415.6	415.1	414.1
45°	392.6	393.9	391.4	391.9	391.9
47.5°	369.6	369.7	368.4	367.0	366.1
50°	344.9	344.9	343.3	342.2	340.8
52.5°	318.0	317.6	315.8	314.6	315.3
55°	289.7	289.5	286.4	285.2	285.5
57.5°	258.8	259.3	254.5	253.4	253.4
60°	229.2	226.9	221.5	219.9	221.9
62.5°	198.2	195.5	189.6	189.6	191.2
65°	170.2	167.7	161.6	160.0	161.4
67.5°	144.0	141.7	136.1	135.2	135.6
70°	119.1	117.1	113.7	111.6	112.3
72.5°	97.6	95.8	93.5	92.0	91.1
75°	77.9	77.5	75.1	74.3	73.4
77.5°	61.7	61.5	59.5	58.6	57.7
80°	46.3	46.1	45.7	44.3	43.6
82.5°	33.0	33.0	32.8	31.6	31.0
85°	19.2	19.9	19.9	18.7	18.7
87.5°	7.7	8.1	7.7	7.7	7.5
90°	0.0	0.0	0.0	0.0	0.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.0	14.6	13.4	14.9	15.3	12.9	14.5	13.2	14.8	15.1
	3H	14.3	15.8	14.7	16.1	16.5	14.1	15.5	14.5	15.9	16.2
	4H	14.8	16.1	15.2	16.5	16.9	14.5	15.9	14.9	16.2	16.6
	6H	15.1	16.4	15.5	16.7	17.1	14.9	16.1	15.3	16.5	16.8
	8H	15.2	16.4	15.7	16.8	17.2	15.0	16.1	15.4	16.5	16.9
	12H	15.3	16.4	15.7	16.8	17.2	15.0	16.2	15.5	16.5	17.0
4H	2H	13.5	14.8	13.9	15.1	15.5	13.3	14.7	13.7	15.0	15.4
	3H	15.0	16.1	15.4	16.5	16.9	14.8	15.9	15.2	16.3	16.7
	4H	15.5	16.5	16.0	17.0	17.4	15.3	16.3	15.7	16.7	17.2
	6H	16.0	16.9	16.4	17.3	17.8	15.7	16.6	16.2	17.1	17.5
	8H	16.1	17.0	16.6	17.4	17.9	15.9	16.7	16.4	17.1	17.6
	12H	16.3	17.0	16.7	17.5	17.9	16.0	16.7	16.5	17.2	17.7
8H	4H	15.7	16.6	16.2	17.0	17.5	15.5	16.3	16.0	16.8	17.3
	6H	16.3	17.0	16.8	17.5	17.9	16.1	16.7	16.6	17.2	17.7
	8H	16.5	17.1	17.0	17.6	18.1	16.3	16.9	16.8	17.4	17.9
	12H	16.7	17.2	17.2	17.7	18.3	16.4	17.0	17.0	17.5	18.0
12H	4H	15.7	16.5	16.2	17.0	17.4	15.5	16.3	16.0	16.8	17.2
	6H	16.3	16.9	16.9	17.4	17.9	16.1	16.7	16.6	17.2	17.7
	8H	16.6	17.1	17.1	17.6	18.2	16.4	16.9	16.9	17.4	18.0

(END OF REPORT)