

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: P1471707

Luminaire Tested: 22PTR-25S-PR1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471707
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25S-PR1-L835-UNV-STD-B
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PR1 Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

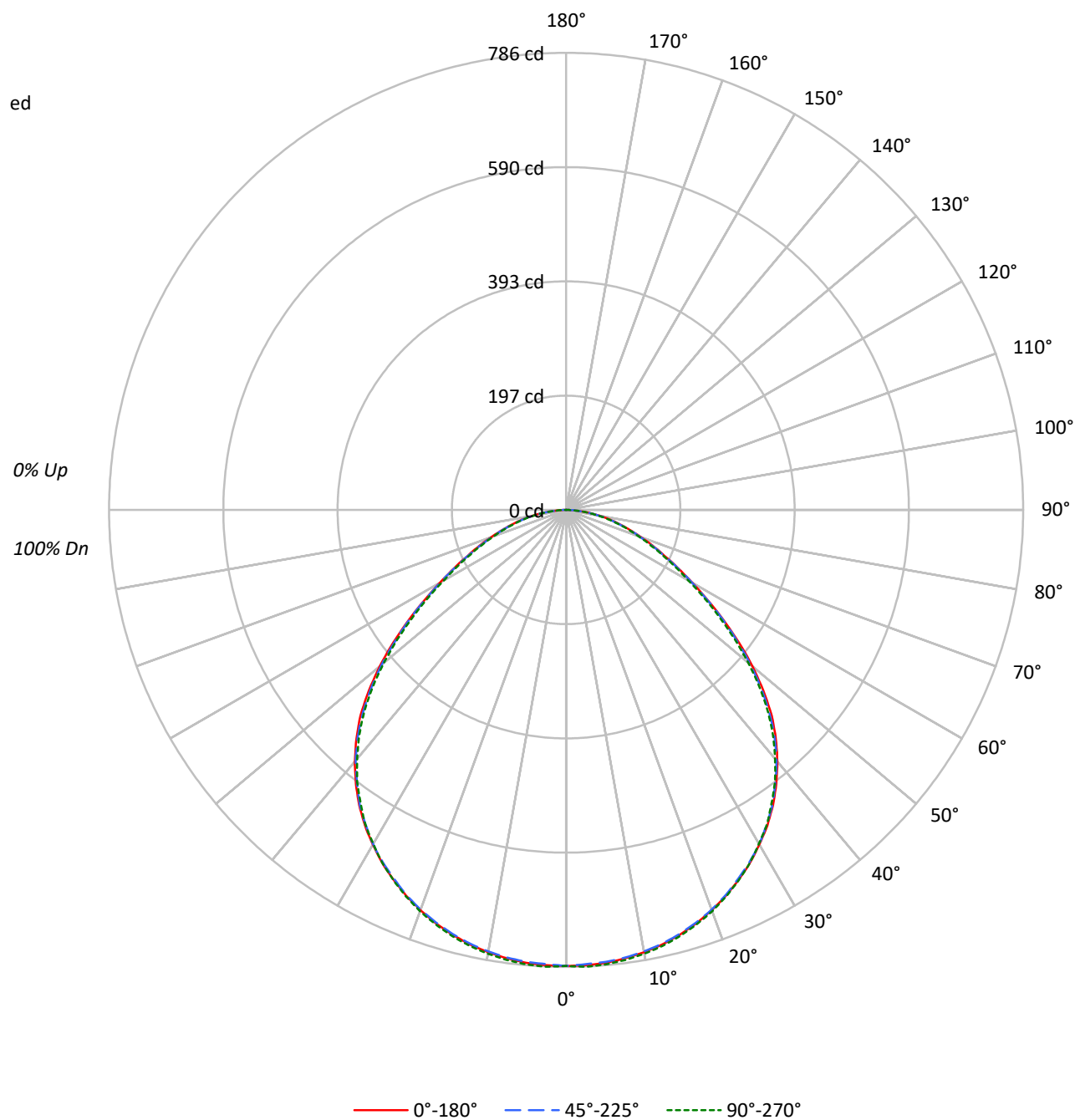
Lumens per Lamp: N/A
Luminaire Lumens: 1983.2 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 18.9
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

TEST NUMBER: P1471707

CATALOG NUMBER: 22PTR-25S-PR1-L835-UNV-STD-B

Luminous Intensity Polar Plot



TEST NUMBER: P1471707

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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	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	88	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2110	2110	2110
5°	2112	2108	2119
10°	2110	2107	2118
15°	2106	2103	2113
20°	2098	2095	2103
25°	2084	2079	2086
30°	2065	2063	2060
35°	2037	2032	2024
40°	1985	1978	1964
45°	1903	1881	1868
50°	1751	1731	1710
55°	1550	1543	1513
60°	1347	1342	1305
65°	1187	1179	1156
70°	1076	1061	1039
75°	997	973	955
80°	910	897	868
85°	719	713	685

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1903 cd/sqm

TEST NUMBER: P1471707

CATALOG NUMBER: 22PTR-25S-PR1-L835-UNV-STD-B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	3.8
10°-20°	213.5	10.8
20°-30°	323.4	16.3
30°-40°	386.1	19.5
40°-50°	379.7	19.1
50°-60°	293.5	14.8
60°-70°	185.1	9.3
70°-80°	100.1	5.0
80°-90°	27.3	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°	611.3	30.8
0°-40°	997.5	50.3
0°-60°	1670.7	84.2
0°-90°	1983.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1983.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	784	784	784	784	784	
5°	782	782	780	784	784	74
15°	756	756	755	757	759	213
25°	702	702	700	702	703	323
35°	620	620	619	618	616	387
45°	500	498	494	490	491	383
55°	330	333	329	324	322	296
65°	186	187	185	182	182	188
75°	96	95	94	94	92	102
85°	23	24	23	23	22	28
90°	0	0	0	0	0	

TEST NUMBER: P1471707

CATALOG NUMBER: 22PTR-25S-PR1-L835-UNV-STD-B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	784.2	784.2	784.2	784.2	784.2
2.5°	783.9	784.2	781.9	785.6	786.4
5°	781.9	782.3	780.2	783.6	784.5
7.5°	778.0	778.6	776.6	780.0	780.8
10°	772.3	773.0	771.0	774.4	775.2
12.5°	765.4	765.6	764.0	767.0	767.9
15°	756.1	756.3	755.0	757.4	758.6
17.5°	745.4	745.7	743.8	746.8	747.3
20°	732.5	732.7	731.6	734.2	734.5
22.5°	718.1	718.7	717.0	719.2	719.5
25°	701.9	702.4	700.1	702.4	702.7
27.5°	684.7	684.9	683.0	684.7	684.4
30°	664.7	666.4	663.9	663.3	663.1
32.5°	644.0	644.2	641.7	641.1	642.2
35°	620.1	620.3	618.7	617.8	616.1
37.5°	593.9	593.9	590.8	590.3	590.0
40°	565.2	564.9	563.0	561.1	559.0
42.5°	534.0	534.6	530.6	527.3	526.7
45°	500.0	498.0	494.4	490.5	490.8
47.5°	459.9	460.4	455.4	452.2	451.4
50°	418.2	418.2	413.5	410.1	408.4
52.5°	374.7	375.0	370.5	366.0	365.1
55°	330.3	333.0	328.8	323.5	322.4
57.5°	288.7	290.9	287.0	281.3	281.0
60°	250.2	250.4	249.3	244.0	242.5
62.5°	217.3	215.9	215.3	212.5	210.8
65°	186.4	186.7	185.2	182.1	181.6
67.5°	161.4	161.0	158.5	156.6	155.4
70°	136.8	136.0	134.9	133.3	132.1
72.5°	115.0	115.0	114.1	113.6	111.6
75°	95.9	94.8	93.6	94.2	91.9
77.5°	77.6	76.5	75.6	74.4	73.9
80°	58.7	57.6	57.9	56.2	56.0
82.5°	40.7	40.7	40.2	38.8	39.1
85°	23.3	23.6	23.1	23.3	22.2
87.5°	8.5	8.7	9.3	8.7	8.7
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1471707

CATALOG NUMBER: 22PTR-25S-PR1-L835-UNV-STD-B

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	13.1	14.7	13.5	15.0	15.3	12.9	14.5	13.3	14.8	15.1
	3H	14.5	15.9	14.8	16.2	16.6	14.2	15.6	14.6	16.0	16.3
	4H	15.0	16.3	15.4	16.7	17.0	14.8	16.1	15.2	16.4	16.8
	6H	15.4	16.6	15.8	17.0	17.4	15.2	16.4	15.6	16.8	17.1
	8H	15.5	16.7	16.0	17.1	17.5	15.3	16.5	15.7	16.9	17.3
	12H	15.6	16.7	16.0	17.1	17.5	15.4	16.5	15.8	16.9	17.3
4H	2H	13.6	14.9	14.0	15.2	15.6	13.4	14.7	13.8	15.0	15.4
	3H	15.1	16.2	15.6	16.6	17.0	15.0	16.1	15.4	16.5	16.9
	4H	15.8	16.8	16.2	17.2	17.6	15.6	16.6	16.1	17.0	17.5
	6H	16.3	17.2	16.8	17.6	18.1	16.2	17.0	16.6	17.5	17.9
	8H	16.5	17.3	17.0	17.8	18.2	16.3	17.1	16.8	17.6	18.0
	12H	16.6	17.4	17.1	17.8	18.3	16.4	17.2	16.9	17.6	18.1
8H	4H	16.0	16.8	16.5	17.3	17.7	15.9	16.7	16.3	17.1	17.6
	6H	16.7	17.4	17.2	17.8	18.3	16.5	17.2	17.0	17.7	18.2
	8H	16.9	17.5	17.4	18.0	18.5	16.8	17.4	17.3	17.9	18.4
	12H	17.1	17.6	17.6	18.1	18.7	16.9	17.5	17.4	18.0	18.5
12H	4H	16.1	16.8	16.5	17.3	17.7	15.9	16.6	16.4	17.1	17.6
	6H	16.7	17.3	17.3	17.8	18.3	16.6	17.2	17.1	17.6	18.2
	8H	17.0	17.6	17.5	18.1	18.6	16.9	17.4	17.4	17.9	18.4

(END OF REPORT)