

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: P1471703

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471703
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25S-PLG-L835-UNV-STD-B
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PLG Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

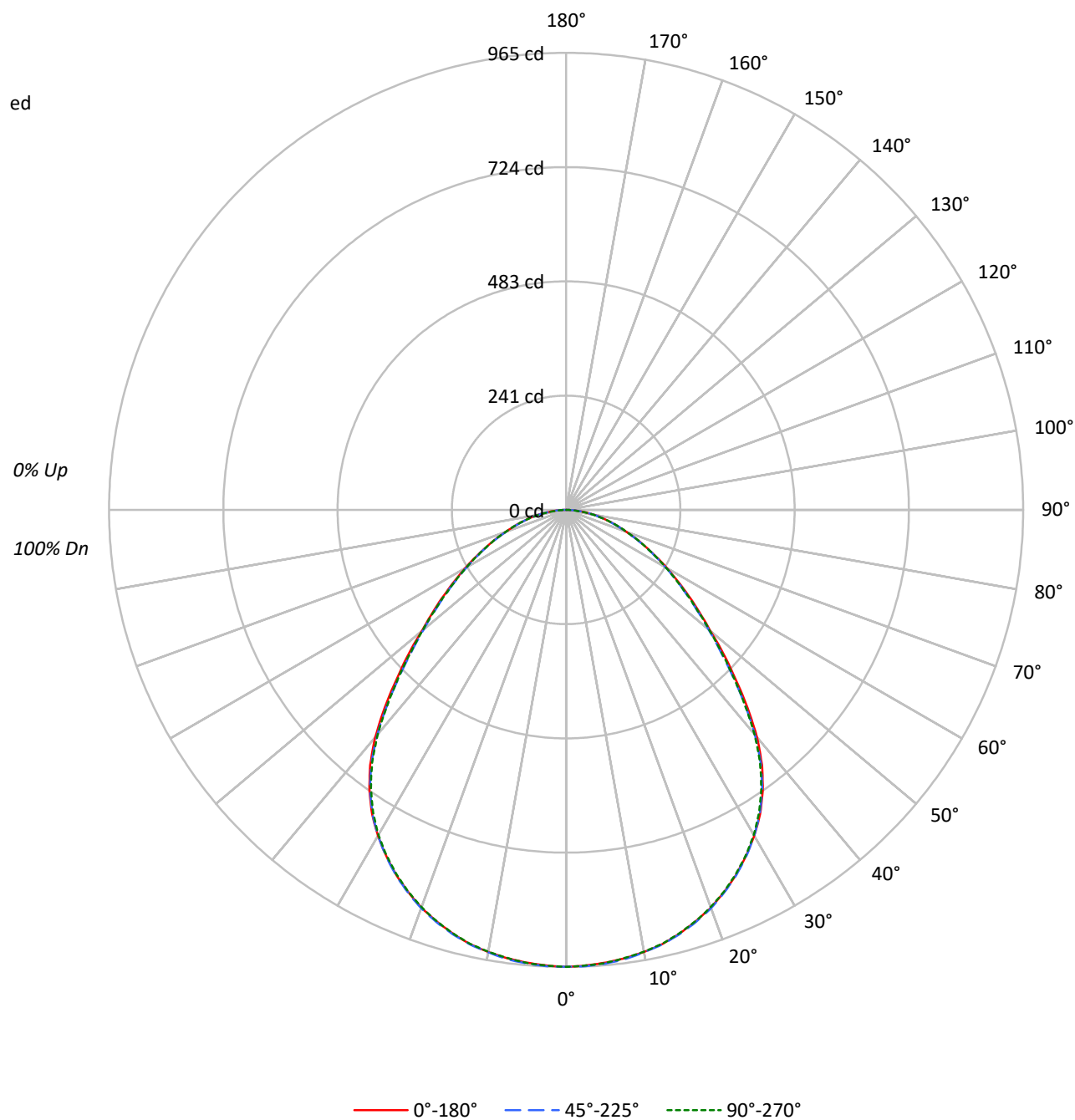
Lumens per Lamp: N/A
Luminaire Lumens: 2174.3 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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: P1471703

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

Luminous Intensity Polar Plot



TEST NUMBER: P1471703

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

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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	110	106	102	98	107	103	100	97		99	96	94		95	93	91		92	90	88
2	101	94	87	82	99	92	86	81		88	84	79		85	81	78		82	79	76
3	93	83	76	70	91	82	75	69		79	73	68		76	71	67		74	69	66
4	86	75	67	60	84	73	66	60		71	64	59		69	63	58		67	62	58
5	79	67	59	53	77	66	58	53		64	57	52		62	56	51		61	55	51
6	74	61	53	47	72	60	52	47		58	51	46		57	51	46		55	50	45
7	69	56	48	42	67	55	47	42		54	46	41		52	46	41		51	45	41
8	64	51	43	38	62	51	43	38		49	42	37		48	42	37		47	41	37
9	60	47	39	34	59	47	39	34		46	39	34		44	38	34		43	38	34
10	56	44	36	31	55	43	36	31		42	36	31		41	35	31		40	35	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2597	2597	2597
5°	2592	2597	2594
10°	2590	2592	2588
15°	2579	2583	2578
20°	2559	2563	2556
25°	2523	2526	2517
30°	2468	2468	2462
35°	2378	2371	2360
40°	2204	2180	2172
45°	1926	1895	1902
50°	1663	1643	1652
55°	1478	1455	1459
60°	1323	1305	1305
65°	1186	1177	1182
70°	1067	1056	1067
75°	990	975	990
80°	924	913	880
85°	781	781	698

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1926 cd/sqm

TEST NUMBER: P1471703

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.4	4.2
10°-20°	261.4	12.0
20°-30°	391.1	18.0
30°-40°	448.1	20.6
40°-50°	387.6	17.8
50°-60°	280.5	12.9
60°-70°	184.8	8.5
70°-80°	100.6	4.6
80°-90°	28.8	1.3
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°	743.9	34.2
0°-40°	1192.1	54.8
0°-60°	1860.1	85.6
0°-90°	2174.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2174.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	965	965	965	965	965	
5°	960	962	962	962	960	91
15°	926	927	927	929	925	261
25°	850	850	851	851	848	391
35°	724	723	722	721	718	450
45°	506	505	498	497	500	392
55°	315	314	310	308	311	284
65°	186	188	185	184	186	186
75°	95	95	94	94	95	101
85°	25	25	25	26	23	29
90°	0	0	0	0	0	

TEST NUMBER: P1471703

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	964.9	964.9	964.9	964.9	964.9
2.5°	962.9	964.9	964.3	964.9	962.9
5°	959.5	961.5	961.5	961.5	960.2
7.5°	954.7	956.0	956.7	957.4	954.0
10°	947.8	949.2	948.5	949.9	947.1
12.5°	938.9	938.9	939.6	941.0	938.2
15°	925.9	926.6	927.3	928.6	925.2
17.5°	910.8	911.5	912.2	912.9	910.2
20°	893.7	893.7	895.1	895.8	892.4
22.5°	872.5	872.5	873.9	875.9	871.8
25°	849.9	849.9	850.6	851.3	847.8
27.5°	823.2	823.2	823.9	825.9	821.8
30°	794.4	793.7	794.4	795.1	792.4
32.5°	762.2	761.5	760.9	761.5	758.1
35°	723.9	723.2	721.8	721.1	718.4
37.5°	679.4	678.0	675.3	675.3	672.5
40°	627.3	623.9	620.5	619.1	618.4
42.5°	567.1	564.3	559.5	558.8	558.8
45°	506.1	504.7	497.9	497.2	499.9
47.5°	451.3	447.9	441.7	440.4	444.5
50°	397.2	397.9	392.4	390.4	394.5
52.5°	354.7	353.4	348.6	347.2	350.6
55°	315.0	313.7	310.2	308.2	310.9
57.5°	278.7	278.0	274.6	273.9	275.3
60°	245.9	245.2	242.4	241.7	242.4
62.5°	215.0	215.0	212.3	210.9	213.0
65°	186.3	187.6	184.9	183.5	185.6
67.5°	160.3	161.6	158.9	157.5	160.3
70°	135.6	137.0	134.2	132.9	135.6
72.5°	114.4	115.1	113.0	112.3	115.7
75°	95.2	95.2	93.8	93.8	95.2
77.5°	77.4	76.7	76.0	76.0	74.6
80°	59.6	58.9	58.9	58.9	56.8
82.5°	42.5	41.1	41.8	42.5	39.0
85°	25.3	25.3	25.3	26.0	22.6
87.5°	10.3	10.3	9.6	10.3	8.9
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1471703

CATALOG NUMBER: 22PTR-25S-PLG-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	12.6	14.1	12.9	14.4	14.7	12.5	14.0	12.8	14.3	14.6
	3H	14.0	15.4	14.4	15.7	16.1	13.9	15.3	14.3	15.6	16.0
	4H	14.6	15.8	15.0	16.2	16.6	14.5	15.7	14.9	16.1	16.5
	6H	15.0	16.2	15.4	16.5	16.9	14.9	16.1	15.3	16.4	16.8
	8H	15.1	16.3	15.6	16.6	17.0	15.0	16.1	15.4	16.5	16.9
	12H	15.2	16.3	15.7	16.7	17.1	15.1	16.2	15.5	16.5	17.0
4H	2H	13.1	14.3	13.5	14.7	15.1	13.0	14.2	13.4	14.6	15.0
	3H	14.7	15.8	15.1	16.2	16.6	14.6	15.7	15.0	16.1	16.5
	4H	15.4	16.3	15.8	16.8	17.2	15.3	16.3	15.7	16.7	17.1
	6H	16.0	16.8	16.4	17.2	17.7	15.9	16.7	16.3	17.1	17.6
	8H	16.2	16.9	16.6	17.4	17.8	16.0	16.8	16.5	17.3	17.7
	12H	16.3	17.0	16.8	17.5	17.9	16.2	16.9	16.6	17.3	17.8
8H	4H	15.6	16.4	16.1	16.9	17.3	15.6	16.3	16.0	16.8	17.3
	6H	16.3	17.0	16.8	17.5	17.9	16.2	16.9	16.7	17.4	17.9
	8H	16.6	17.2	17.1	17.7	18.2	16.5	17.1	17.0	17.6	18.1
	12H	16.8	17.3	17.3	17.8	18.4	16.7	17.2	17.2	17.7	18.3
12H	4H	15.7	16.4	16.1	16.8	17.3	15.6	16.3	16.1	16.8	17.2
	6H	16.4	17.0	16.9	17.4	18.0	16.3	16.9	16.8	17.3	17.9
	8H	16.7	17.2	17.2	17.7	18.3	16.6	17.1	17.1	17.6	18.2

(END OF REPORT)