

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: P1471697

Luminaire Tested: 22PTR-25S-PB1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471697
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25S-PB1-L835-UNV-STD-B
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PB1 Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

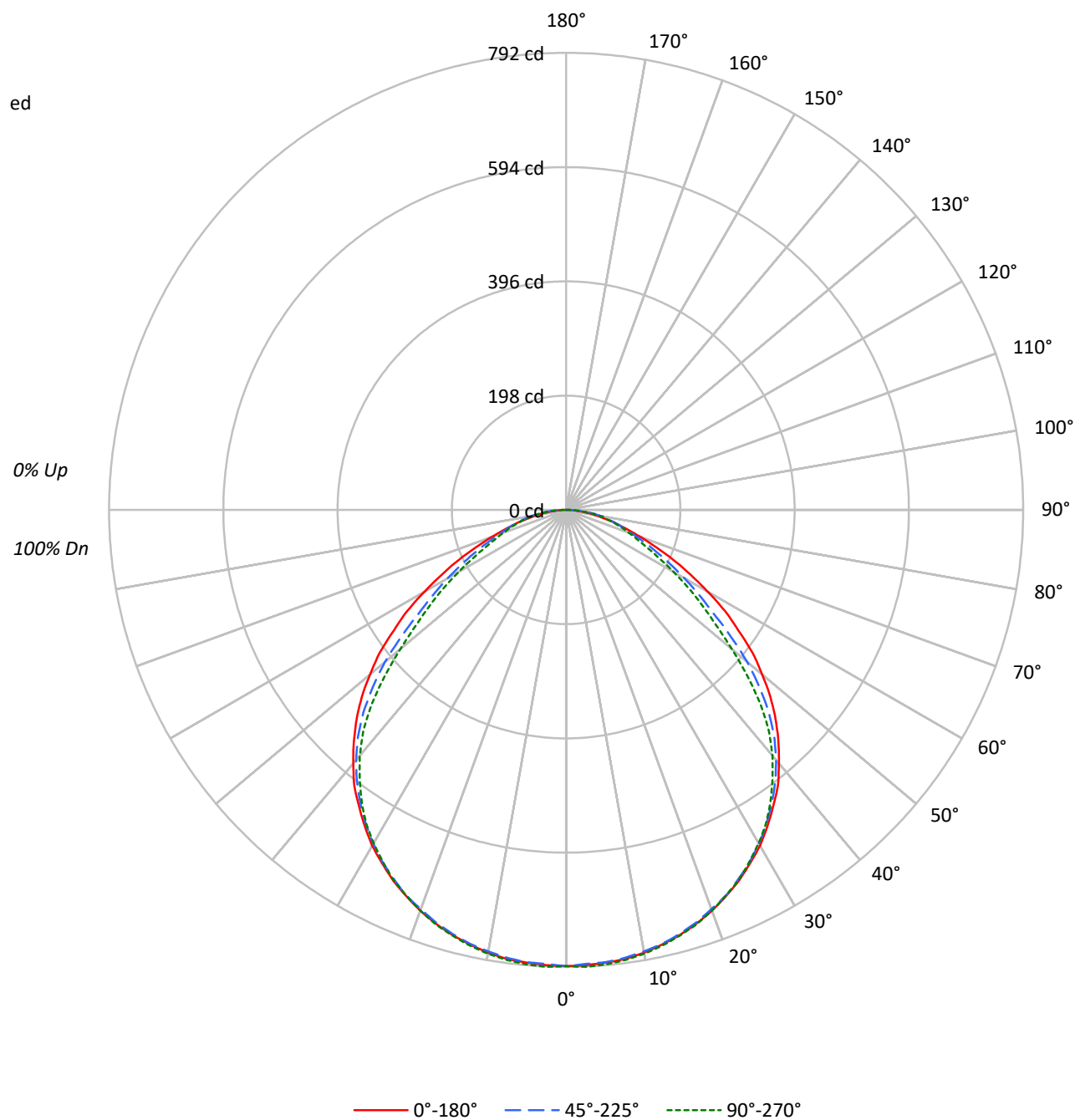
Lumens per Lamp: N/A
Luminaire Lumens: 1971.4 lumens
Efficiency: N/A
Efficacy: 104.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	110	105	101	98	107	103	99	96		99	96	93		95	93	90		91	89	88
2	100	93	86	81	98	91	85	80		87	83	78		84	80	77		81	78	75
3	92	82	75	69	90	81	74	68		78	72	67		75	70	66		73	68	64
4	85	73	65	59	83	72	64	58		70	63	58		67	62	57		65	60	56
5	78	66	57	51	76	65	57	51		63	56	50		61	55	50		59	54	49
6	72	60	51	45	71	59	51	45		57	50	44		55	49	44		54	48	44
7	67	54	46	40	66	53	45	40		52	45	39		51	44	39		49	43	39
8	63	50	41	36	61	49	41	36		48	41	35		46	40	35		45	39	35
9	59	46	38	32	57	45	37	32		44	37	32		43	36	32		42	36	32
10	55	42	34	29	54	42	34	29		41	34	29		40	33	29		39	33	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2127	2127	2127
5°	2128	2125	2136
10°	2129	2123	2134
15°	2124	2119	2126
20°	2116	2108	2116
25°	2105	2096	2102
30°	2088	2076	2073
35°	2057	2041	2029
40°	2016	1988	1954
45°	1954	1891	1813
50°	1857	1714	1567
55°	1711	1456	1350
60°	1523	1272	1157
65°	1307	1102	985
70°	1079	972	903
75°	910	930	880
80°	769	950	905
85°	602	960	843

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1954 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	3.8
10°-20°	215.1	10.9
20°-30°	325.8	16.5
30°-40°	388.2	19.7
40°-50°	379.7	19.3
50°-60°	287.2	14.6
60°-70°	176.4	8.9
70°-80°	94.0	4.8
80°-90°	30.0	1.5
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°	615.9	31.2
0°-40°	1004.1	50.9
0°-60°	1671.0	84.8
0°-90°	1971.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1971.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	791	791	791	791	791	
5°	788	789	787	790	791	75
15°	762	763	760	763	763	215
25°	709	708	706	707	708	326
35°	626	625	621	618	618	392
45°	513	511	497	480	476	395
55°	365	346	310	293	288	327
65°	205	189	173	160	155	204
75°	88	88	89	87	85	94
85°	20	25	31	29	27	23
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	790.6	790.6	790.6	790.6	790.6
2.5°	789.7	790.6	787.6	791.6	792.5
5°	787.6	788.7	786.7	789.7	790.6
7.5°	784.8	784.8	782.8	785.7	786.7
10°	779.0	779.0	777.0	779.9	780.9
12.5°	771.2	771.2	770.2	772.1	773.1
15°	762.4	763.3	760.5	763.3	763.3
17.5°	751.7	750.8	749.8	751.7	752.7
20°	739.0	739.0	736.2	738.1	739.0
22.5°	724.4	724.4	723.5	724.4	723.5
25°	708.9	707.9	706.0	707.0	707.9
27.5°	690.4	690.4	688.5	688.5	687.5
30°	672.0	670.9	668.1	666.1	667.1
32.5°	649.6	648.6	645.7	643.8	644.7
35°	626.2	625.3	621.4	618.5	617.5
37.5°	603.0	600.0	595.1	591.2	587.3
40°	573.8	570.8	566.0	557.2	556.2
42.5°	544.6	541.7	533.8	523.2	520.3
45°	513.4	510.6	496.9	480.3	476.5
47.5°	480.3	475.5	454.1	433.7	425.9
50°	443.5	434.7	409.4	383.1	374.4
52.5°	407.4	391.9	358.9	335.5	326.8
55°	364.7	346.2	310.3	292.7	287.8
57.5°	326.8	301.5	272.3	254.8	250.9
60°	283.0	259.6	236.3	220.7	214.9
62.5°	243.1	222.7	203.3	189.6	182.8
65°	205.2	188.7	173.1	159.5	154.7
67.5°	168.2	159.5	146.8	136.2	133.2
70°	137.1	132.2	123.5	118.6	114.8
72.5°	108.9	110.9	105.1	103.1	100.2
75°	87.5	88.5	89.4	86.6	84.6
77.5°	66.2	71.0	74.8	72.9	71.0
80°	49.6	54.4	61.3	58.4	58.4
82.5°	34.0	39.9	45.7	43.8	42.8
85°	19.5	25.3	31.1	29.2	27.3
87.5°	7.8	12.7	13.6	13.6	12.7
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	13.5	15.1	13.9	15.4	15.7	12.2	13.8	12.6	14.1	14.4
	3H	14.7	16.1	15.1	16.5	16.8	13.5	14.9	13.9	15.2	15.6
	4H	15.2	16.5	15.6	16.8	17.2	14.0	15.3	14.4	15.7	16.1
	6H	15.5	16.7	15.9	17.0	17.4	14.5	15.7	14.9	16.1	16.5
	8H	15.5	16.7	16.0	17.1	17.5	14.7	15.9	15.1	16.3	16.7
	12H	15.6	16.7	16.0	17.1	17.5	14.9	16.0	15.3	16.3	16.8
4H	2H	13.8	15.1	14.2	15.5	15.9	12.8	14.1	13.2	14.4	14.8
	3H	15.3	16.4	15.7	16.8	17.2	14.2	15.3	14.7	15.7	16.1
	4H	15.8	16.8	16.3	17.2	17.7	14.9	15.9	15.4	16.3	16.8
	6H	16.3	17.1	16.7	17.6	18.0	15.6	16.4	16.0	16.9	17.3
	8H	16.4	17.2	16.9	17.6	18.1	15.8	16.6	16.3	17.1	17.5
	12H	16.5	17.2	17.0	17.7	18.1	16.0	16.7	16.5	17.2	17.7
8H	4H	16.0	16.8	16.5	17.3	17.8	15.2	16.0	15.7	16.5	16.9
	6H	16.6	17.3	17.1	17.7	18.2	16.0	16.7	16.5	17.2	17.7
	8H	16.8	17.4	17.3	17.9	18.4	16.4	17.0	16.9	17.5	18.0
	12H	17.0	17.5	17.5	18.0	18.5	16.7	17.2	17.2	17.7	18.3
12H	4H	16.1	16.8	16.5	17.3	17.7	15.3	16.0	15.8	16.5	16.9
	6H	16.7	17.3	17.2	17.7	18.3	16.1	16.7	16.6	17.2	17.7
	8H	16.9	17.4	17.4	17.9	18.5	16.5	17.0	17.0	17.5	18.1

(END OF REPORT)