

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: P1471705

Luminaire Tested: 22PTR-25S-PP3-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471705
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-25S-PP3-L835-UNV-STD-B
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PP3 Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

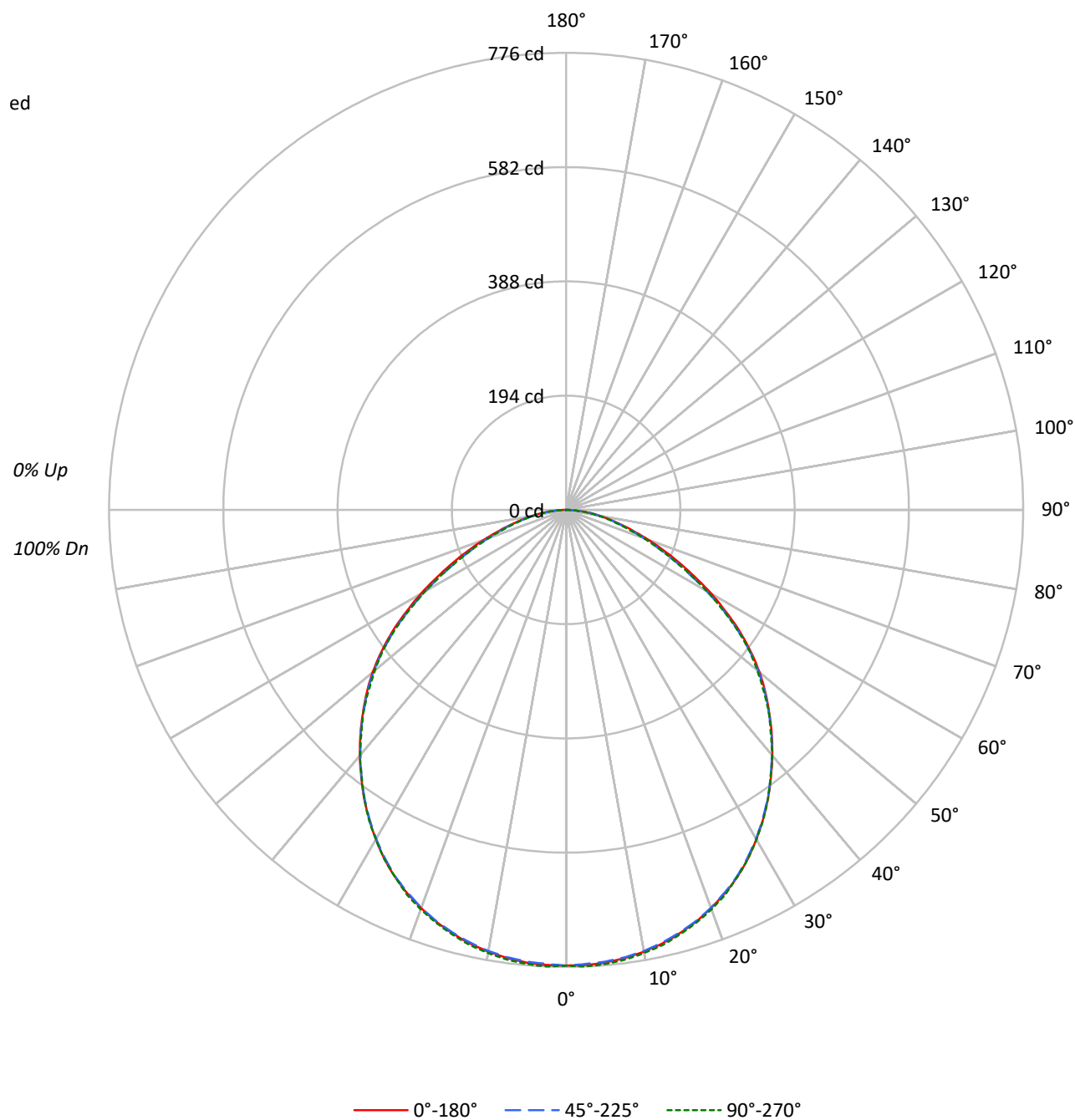
Lumens per Lamp: N/A
Luminaire Lumens: 1999.0 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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					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	102	102	100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	74	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	63	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	55	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	48	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	42	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	38	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	34	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	31	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2082	2082	2082
5°	2084	2079	2091
10°	2081	2078	2088
15°	2074	2070	2079
20°	2060	2059	2067
25°	2042	2039	2041
30°	2008	2004	2008
35°	1964	1961	1963
40°	1914	1908	1913
45°	1856	1851	1853
50°	1794	1786	1773
55°	1689	1669	1664
60°	1533	1481	1484
65°	1346	1279	1277
70°	1164	1111	1098
75°	1006	970	948
80°	893	879	840
85°	738	763	719

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1863 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.4	3.7
10°-20°	210.2	10.5
20°-30°	316.5	15.8
30°-40°	373.5	18.7
40°-50°	375.6	18.8
50°-60°	317.1	15.9
60°-70°	203.7	10.2
70°-80°	101.3	5.1
80°-90°	27.8	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°	600.0	30.0
0°-40°	973.5	48.7
0°-60°	1666.3	83.4
0°-90°	1999.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1999.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	774	774	774	774	774	
5°	771	772	770	773	774	73
15°	744	745	743	746	746	210
25°	688	688	687	688	687	316
35°	598	598	597	598	598	374
45°	488	490	486	487	487	376
55°	360	360	356	354	355	320
65°	211	208	201	199	200	211
75°	97	96	93	92	91	105
85°	24	25	25	23	23	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	773.7	773.7	773.7	773.7	773.7
2.5°	773.4	773.7	771.6	775.3	775.9
5°	771.4	771.6	769.7	773.4	773.9
7.5°	767.4	767.8	766.0	769.4	770.0
10°	761.5	762.4	760.4	763.6	764.1
12.5°	754.3	754.6	752.6	756.2	756.8
15°	744.5	744.7	743.1	746.4	746.4
17.5°	733.2	733.5	732.3	735.2	734.9
20°	719.5	720.3	718.9	720.8	721.9
22.5°	704.6	704.9	703.2	705.7	706.8
25°	687.8	688.0	686.6	688.0	687.4
27.5°	668.1	668.6	666.6	668.1	668.4
30°	646.1	647.6	644.8	645.9	646.1
32.5°	622.6	623.4	621.4	621.7	623.2
35°	597.9	598.2	597.0	597.6	597.6
37.5°	571.2	572.3	570.6	571.4	570.3
40°	544.8	543.7	543.1	543.7	544.5
42.5°	516.9	517.2	516.4	515.8	514.5
45°	487.8	489.5	486.3	486.9	486.9
47.5°	459.2	459.4	457.8	456.0	454.9
50°	428.6	428.6	426.5	425.2	423.5
52.5°	395.1	394.6	392.3	390.9	391.7
55°	360.0	359.7	355.8	354.4	354.7
57.5°	321.5	322.1	316.2	314.8	314.8
60°	284.8	281.9	275.2	273.3	275.7
62.5°	246.2	242.9	235.6	235.6	237.6
65°	211.4	208.4	200.8	198.8	200.5
67.5°	178.9	176.0	169.1	168.0	168.5
70°	148.0	145.5	141.2	138.7	139.6
72.5°	121.3	119.1	116.2	114.3	113.2
75°	96.8	96.3	93.3	92.3	91.2
77.5°	76.6	76.4	73.9	72.8	71.6
80°	57.6	57.2	56.7	55.0	54.2
82.5°	41.0	41.0	40.7	39.3	38.5
85°	23.9	24.7	24.7	23.3	23.3
87.5°	9.6	10.1	9.6	9.6	9.3
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	13.8	15.4	14.2	15.7	16.0	13.6	15.2	14.0	15.5	15.8
	3H	15.1	16.5	15.5	16.8	17.2	14.9	16.3	15.2	16.6	17.0
	4H	15.5	16.9	15.9	17.2	17.6	15.3	16.6	15.7	17.0	17.4
	6H	15.9	17.1	16.3	17.5	17.9	15.6	16.8	16.0	17.2	17.6
	8H	16.0	17.2	16.4	17.6	18.0	15.7	16.9	16.1	17.3	17.7
	12H	16.0	17.2	16.5	17.6	18.0	15.8	16.9	16.2	17.3	17.7
4H	2H	14.2	15.6	14.6	15.9	16.3	14.1	15.4	14.5	15.8	16.1
	3H	15.7	16.8	16.1	17.2	17.6	15.5	16.6	15.9	17.0	17.4
	4H	16.3	17.3	16.7	17.7	18.1	16.1	17.1	16.5	17.5	17.9
	6H	16.7	17.6	17.2	18.1	18.5	16.5	17.4	17.0	17.8	18.3
	8H	16.9	17.7	17.4	18.2	18.6	16.6	17.5	17.1	17.9	18.4
	12H	17.0	17.7	17.5	18.2	18.7	16.7	17.5	17.2	18.0	18.4
8H	4H	16.5	17.3	16.9	17.7	18.2	16.3	17.1	16.7	17.5	18.0
	6H	17.0	17.7	17.5	18.2	18.7	16.8	17.5	17.3	18.0	18.5
	8H	17.3	17.9	17.8	18.4	18.9	17.0	17.6	17.5	18.1	18.6
	12H	17.4	18.0	17.9	18.5	19.0	17.2	17.7	17.7	18.2	18.8
12H	4H	16.5	17.2	17.0	17.7	18.2	16.3	17.0	16.8	17.5	18.0
	6H	17.1	17.7	17.6	18.2	18.7	16.9	17.5	17.4	17.9	18.5
	8H	17.3	17.9	17.9	18.4	18.9	17.1	17.7	17.6	18.1	18.7

(END OF REPORT)