

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: P1471708

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471708
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-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PR1 Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

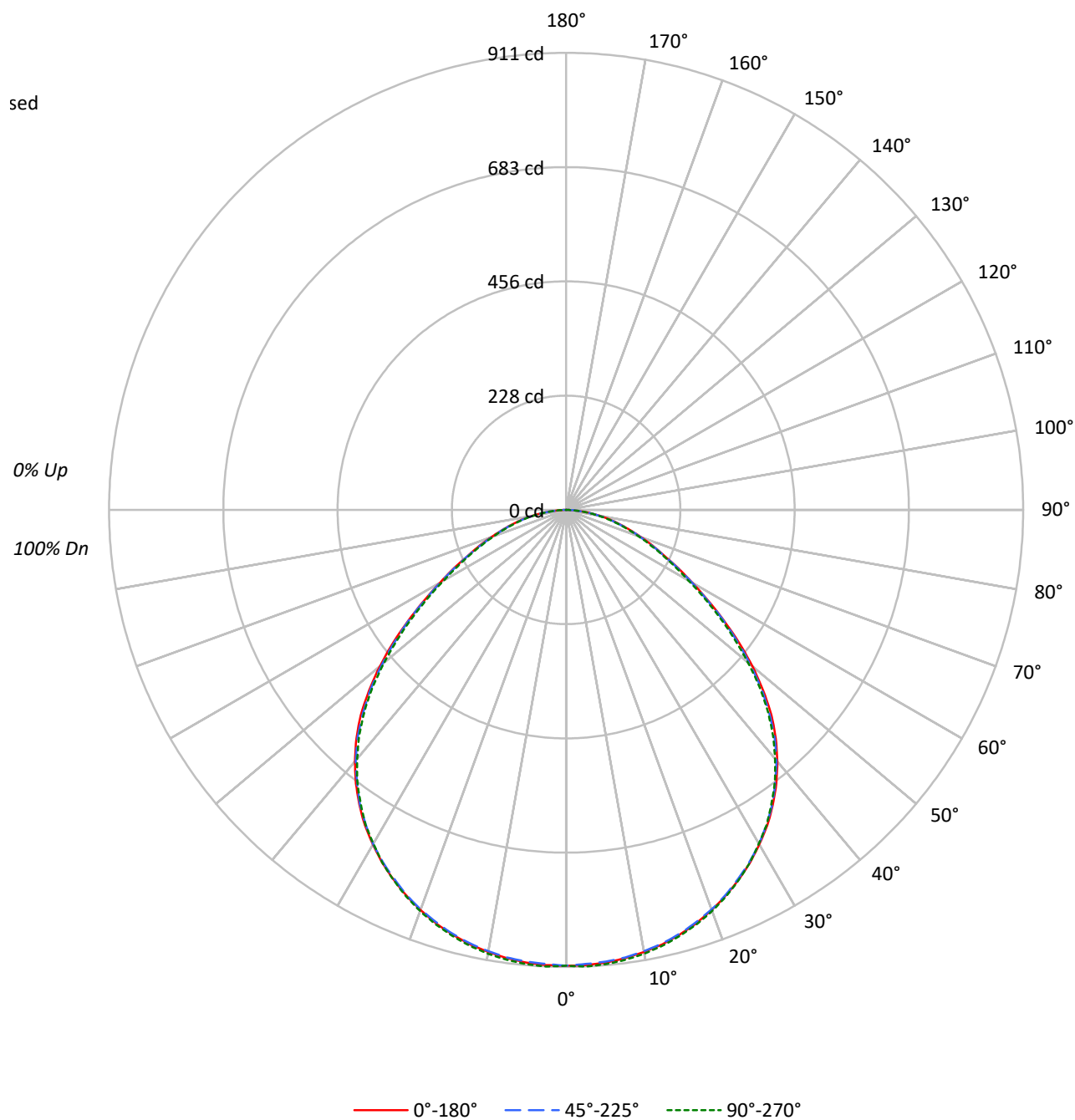
Lumens per Lamp: N/A
Luminaire Lumens: 2297.6 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

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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	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°	2445	2445	2445
5°	2447	2442	2455
10°	2445	2441	2454
15°	2440	2437	2448
20°	2430	2427	2437
25°	2415	2408	2417
30°	2393	2390	2387
35°	2360	2354	2345
40°	2301	2291	2275
45°	2205	2179	2164
50°	2028	2005	1981
55°	1795	1787	1752
60°	1560	1554	1512
65°	1375	1366	1340
70°	1247	1230	1205
75°	1155	1128	1107
80°	1054	1040	1004
85°	834	824	794

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2205 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	3.8
10°-20°	247.4	10.8
20°-30°	374.7	16.3
30°-40°	447.3	19.5
40°-50°	439.9	19.1
50°-60°	340.0	14.8
60°-70°	214.4	9.3
70°-80°	116.0	5.0
80°-90°	31.7	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°	708.3	30.8
0°-40°	1155.6	50.3
0°-60°	1935.6	84.2
0°-90°	2297.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2297.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	908	908	908	908	908	
5°	906	906	904	908	909	86
15°	876	876	875	878	879	247
25°	813	814	811	814	814	375
35°	718	719	717	716	714	449
45°	579	577	573	568	569	444
55°	383	386	381	375	374	343
65°	216	216	215	211	210	217
75°	111	110	108	109	106	118
85°	27	27	27	27	26	32
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	908.5	908.5	908.5	908.5	908.5
2.5°	908.2	908.5	905.9	910.2	911.1
5°	905.9	906.3	903.9	907.8	908.9
7.5°	901.3	902.0	899.8	903.7	904.6
10°	894.8	895.5	893.3	897.2	898.1
12.5°	886.7	887.0	885.1	888.6	889.6
15°	876.0	876.2	874.7	877.5	878.8
17.5°	863.6	863.9	861.7	865.2	865.8
20°	848.6	848.9	847.6	850.5	850.9
22.5°	832.0	832.7	830.7	833.3	833.6
25°	813.2	813.7	811.1	813.7	814.1
27.5°	793.3	793.5	791.3	793.3	792.9
30°	770.1	772.1	769.1	768.4	768.2
32.5°	746.1	746.3	743.5	742.8	744.1
35°	718.4	718.6	716.7	715.8	713.8
37.5°	688.1	688.1	684.4	683.8	683.5
40°	654.9	654.5	652.3	650.0	647.6
42.5°	618.7	619.4	614.7	610.8	610.3
45°	579.3	577.0	572.7	568.3	568.6
47.5°	532.8	533.3	527.6	523.9	522.9
50°	484.5	484.5	479.0	475.1	473.1
52.5°	434.1	434.4	429.2	424.0	423.0
55°	382.6	385.8	381.0	374.8	373.5
57.5°	334.5	337.1	332.5	325.9	325.6
60°	289.9	290.1	288.8	282.6	281.0
62.5°	251.8	250.1	249.4	246.2	244.2
65°	215.9	216.3	214.6	210.9	210.4
67.5°	186.9	186.6	183.6	181.4	180.1
70°	158.5	157.6	156.3	154.4	153.1
72.5°	133.2	133.2	132.2	131.6	129.3
75°	111.1	109.8	108.5	109.1	106.5
77.5°	89.9	88.6	87.6	86.2	85.7
80°	68.0	66.7	67.1	65.1	64.8
82.5°	47.2	47.2	46.6	45.0	45.3
85°	27.0	27.3	26.7	27.0	25.7
87.5°	9.8	10.1	10.8	10.1	10.1
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	13.6	15.2	14.0	15.5	15.8	13.4	15.0	13.8	15.3	15.6
	3H	15.0	16.4	15.4	16.7	17.1	14.8	16.2	15.1	16.5	16.8
	4H	15.5	16.8	15.9	17.2	17.5	15.3	16.6	15.7	17.0	17.3
	6H	15.9	17.1	16.3	17.5	17.9	15.7	16.9	16.1	17.3	17.7
	8H	16.0	17.2	16.5	17.6	18.0	15.8	17.0	16.2	17.4	17.8
	12H	16.1	17.2	16.5	17.6	18.0	15.9	17.0	16.3	17.4	17.8
4H	2H	14.1	15.4	14.5	15.7	16.1	13.9	15.2	14.3	15.6	15.9
	3H	15.7	16.7	16.1	17.1	17.5	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	16.6	17.5	18.0
	6H	16.8	17.7	17.3	18.1	18.6	16.7	17.5	17.1	18.0	18.4
	8H	17.0	17.8	17.5	18.3	18.7	16.8	17.6	17.3	18.1	18.5
	12H	17.1	17.9	17.6	18.3	18.8	16.9	17.7	17.4	18.1	18.6
8H	4H	16.5	17.3	17.0	17.8	18.3	16.4	17.2	16.9	17.6	18.1
	6H	17.2	17.9	17.7	18.4	18.8	17.0	17.7	17.5	18.2	18.7
	8H	17.4	18.0	18.0	18.6	19.0	17.3	17.9	17.8	18.4	18.9
	12H	17.6	18.2	18.1	18.7	19.2	17.4	18.0	18.0	18.5	19.0
12H	4H	16.6	17.3	17.0	17.8	18.2	16.4	17.1	16.9	17.6	18.1
	6H	17.3	17.9	17.8	18.3	18.9	17.1	17.7	17.6	18.2	18.7
	8H	17.5	18.1	18.0	18.6	19.1	17.4	17.9	17.9	18.4	19.0

(END OF REPORT)