

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: P1471710

Luminaire Tested: 22PTR-25S-PW1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471710
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25S-PW1-L835-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PW1 Lens White Rece:
Frame
Light Source: -
Ballast/Driver: -

Summary

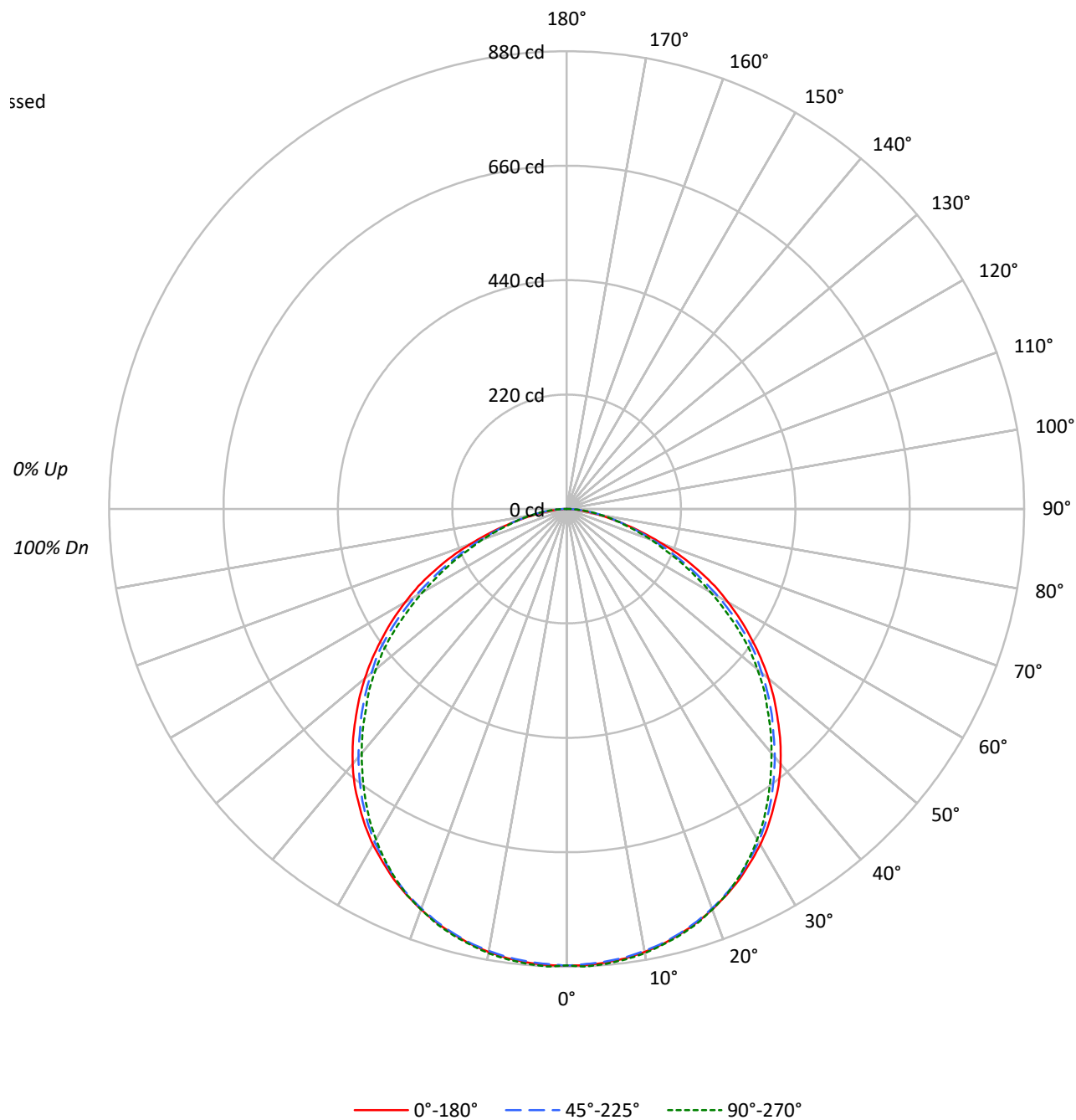
Lumens per Lamp: N/A
Luminaire Lumens: 2329.6 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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					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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2362	2362	2362
5°	2364	2359	2371
10°	2363	2358	2370
15°	2356	2352	2361
20°	2346	2341	2346
25°	2333	2324	2322
30°	2316	2295	2279
35°	2285	2250	2221
40°	2250	2188	2154
45°	2187	2123	2079
50°	2121	2052	2004
55°	2033	1964	1886
60°	1927	1814	1719
65°	1783	1620	1539
70°	1545	1410	1356
75°	1234	1207	1174
80°	938	1048	1048
85°	695	895	895

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2187 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.2	3.6
10°-20°	238.8	10.2
20°-30°	360.9	15.5
30°-40°	428.5	18.4
40°-50°	431.7	18.5
50°-60°	373.2	16.0
60°-70°	255.0	10.9
70°-80°	125.8	5.4
80°-90°	32.5	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°	682.9	29.3
0°-40°	1111.4	47.7
0°-60°	1916.3	82.3
0°-90°	2329.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2329.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	878	878	878	878	878	
5°	875	876	873	877	878	83
15°	846	847	844	847	848	239
25°	786	785	783	783	782	362
35°	696	693	685	679	676	435
45°	575	568	558	551	546	444
55°	433	432	419	406	402	387
65°	280	270	254	243	242	276
75°	119	118	116	116	113	129
85°	22	26	29	30	29	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	877.8	877.8	877.8	877.8	877.8
2.5°	877.6	877.8	875.6	879.5	880.4
5°	875.2	875.6	873.3	876.9	877.8
7.5°	871.1	871.7	869.1	872.6	873.3
10°	864.8	865.2	862.9	866.5	867.2
12.5°	856.4	856.7	854.8	858.0	858.0
15°	845.7	846.6	844.4	847.3	847.6
17.5°	833.6	834.0	831.7	834.9	835.6
20°	819.3	819.3	817.4	820.0	819.3
22.5°	803.4	803.4	801.1	802.4	803.0
25°	785.9	785.2	782.6	783.3	782.0
27.5°	765.7	765.7	761.1	761.1	758.8
30°	745.2	743.6	738.7	735.8	733.5
32.5°	721.7	719.5	713.3	708.1	706.5
35°	695.5	693.1	684.9	678.8	676.2
37.5°	670.0	664.8	654.1	647.9	645.0
40°	640.4	633.9	622.9	614.4	613.1
42.5°	608.6	603.4	589.1	582.8	581.3
45°	574.8	568.5	557.8	551.3	546.4
47.5°	541.6	537.0	524.7	516.9	515.2
50°	506.7	502.8	490.2	481.8	478.8
52.5°	470.7	468.1	457.3	446.5	443.0
55°	433.3	432.0	418.6	406.2	402.0
57.5°	396.5	394.9	378.2	363.9	360.0
60°	358.1	353.3	337.0	323.6	319.4
62.5°	321.7	311.3	293.7	283.3	278.5
65°	280.0	270.0	254.4	243.2	241.7
67.5°	239.1	227.1	215.0	208.1	202.9
70°	196.4	188.3	179.2	173.4	172.4
72.5°	156.7	150.9	146.3	142.8	139.8
75°	118.7	117.7	116.1	116.1	112.9
77.5°	87.2	89.5	90.8	90.4	91.1
80°	60.5	65.0	67.6	68.0	67.6
82.5°	38.4	43.6	47.9	48.5	49.2
85°	22.5	26.4	29.0	29.5	29.0
87.5°	10.0	12.6	13.4	13.9	13.4
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	14.7	16.3	15.0	16.6	16.9	14.1	15.7	14.4	16.0	16.3
	3H	16.1	17.6	16.5	17.9	18.3	15.5	16.9	15.8	17.2	17.6
	4H	16.6	17.9	17.0	18.3	18.7	15.9	17.3	16.3	17.6	18.0
	6H	16.8	18.1	17.2	18.5	18.8	16.3	17.6	16.7	17.9	18.3
	8H	16.9	18.1	17.3	18.5	18.9	16.4	17.6	16.8	18.0	18.4
	12H	16.9	18.1	17.4	18.4	18.9	16.5	17.6	16.9	18.0	18.4
4H	2H	15.1	16.5	15.5	16.8	17.2	14.6	16.0	15.0	16.3	16.7
	3H	16.8	17.9	17.2	18.3	18.7	16.2	17.4	16.6	17.8	18.2
	4H	17.3	18.3	17.8	18.8	19.2	16.8	17.8	17.3	18.2	18.7
	6H	17.7	18.6	18.1	19.0	19.5	17.3	18.2	17.7	18.6	19.1
	8H	17.8	18.6	18.2	19.1	19.5	17.4	18.3	17.9	18.7	19.2
	12H	17.8	18.6	18.3	19.1	19.5	17.6	18.3	18.0	18.8	19.3
8H	4H	17.5	18.3	18.0	18.8	19.3	17.1	17.9	17.5	18.3	18.8
	6H	18.0	18.7	18.5	19.1	19.6	17.6	18.3	18.1	18.8	19.3
	8H	18.1	18.7	18.6	19.2	19.7	17.9	18.5	18.4	19.0	19.5
	12H	18.2	18.8	18.7	19.3	19.8	18.0	18.6	18.5	19.1	19.6
12H	4H	17.5	18.3	18.0	18.8	19.2	17.1	17.8	17.6	18.3	18.8
	6H	18.0	18.6	18.5	19.1	19.6	17.7	18.3	18.2	18.8	19.3
	8H	18.2	18.7	18.7	19.2	19.8	17.9	18.5	18.4	19.0	19.5

(END OF REPORT)