

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: P1471725

Luminaire Tested: 22PTR-35S-PW1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471725
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-35S-PW1-L835-UNV-STD-B
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PW1 Lens Black Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

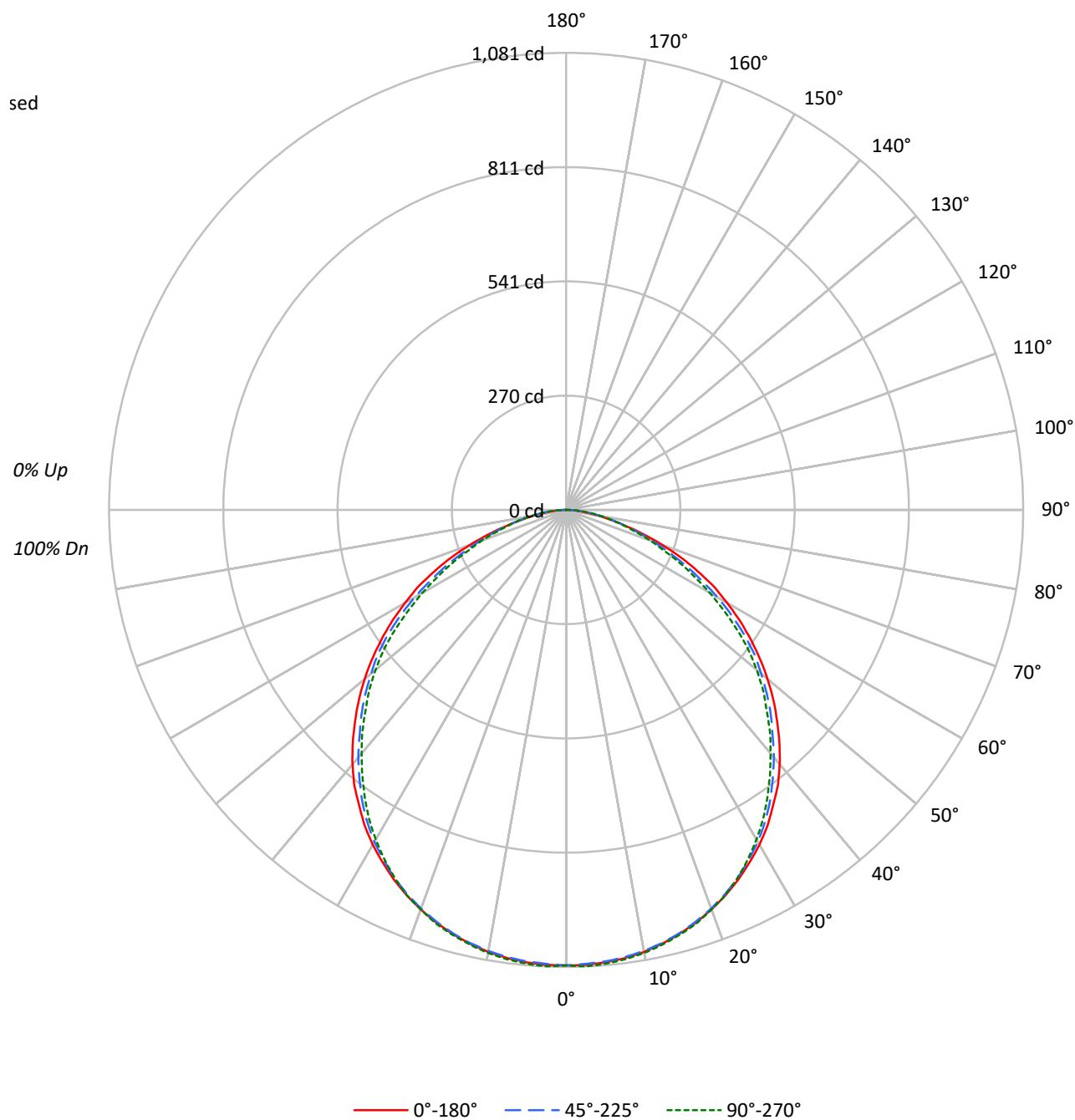
Lumens per Lamp: N/A
Luminaire Lumens: 2859.3 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.9
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°	2899	2899	2899
5°	2902	2895	2910
10°	2900	2894	2908
15°	2891	2887	2898
20°	2880	2873	2880
25°	2864	2852	2850
30°	2842	2817	2797
35°	2804	2762	2726
40°	2761	2686	2643
45°	2685	2605	2552
50°	2604	2519	2460
55°	2495	2411	2315
60°	2365	2226	2110
65°	2188	1988	1889
70°	1897	1730	1666
75°	1514	1482	1440
80°	1151	1286	1286
85°	852	1096	1096

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2685 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.2	3.6
10°-20°	293.1	10.2
20°-30°	442.9	15.5
30°-40°	525.9	18.4
40°-50°	529.9	18.5
50°-60°	458.0	16.0
60°-70°	313.0	10.9
70°-80°	154.4	5.4
80°-90°	39.9	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°	838.2	29.3
0°-40°	1364.1	47.7
0°-60°	2352.0	82.3
0°-90°	2859.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2859.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1077	1077	1077	1077	1077	
5°	1074	1075	1072	1076	1077	102
15°	1038	1039	1036	1040	1040	293
25°	964	964	960	961	960	444
35°	854	851	841	833	830	534
45°	706	698	685	677	671	544
55°	532	530	514	499	493	475
65°	344	331	312	298	297	339
75°	146	144	142	142	138	159
85°	28	32	36	36	36	34
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1077.4	1077.4	1077.4	1077.4	1077.4
2.5°	1077.1	1077.4	1074.6	1079.4	1080.6
5°	1074.2	1074.6	1071.9	1076.2	1077.4
7.5°	1069.1	1069.9	1066.7	1071.0	1071.9
10°	1061.4	1061.9	1059.1	1063.5	1064.3
12.5°	1051.1	1051.4	1049.1	1053.0	1053.0
15°	1037.9	1039.1	1036.3	1040.0	1040.3
17.5°	1023.1	1023.6	1020.8	1024.7	1025.6
20°	1005.6	1005.6	1003.3	1006.5	1005.6
22.5°	986.0	986.0	983.3	984.9	985.6
25°	964.5	963.7	960.5	961.4	959.8
27.5°	939.7	939.7	934.1	934.1	931.3
30°	914.6	912.6	906.7	903.0	900.3
32.5°	885.8	883.0	875.5	869.1	867.1
35°	853.6	850.7	840.7	833.1	829.9
37.5°	822.4	816.0	802.8	795.3	791.6
40°	786.0	778.0	764.5	754.1	752.5
42.5°	746.9	740.6	723.0	715.3	713.4
45°	705.5	697.8	684.6	676.6	670.6
47.5°	664.7	659.0	643.9	634.4	632.3
50°	621.9	617.1	601.6	591.3	587.7
52.5°	577.7	574.5	561.3	548.1	543.7
55°	531.8	530.2	513.8	498.6	493.4
57.5°	486.7	484.7	464.2	446.7	441.9
60°	439.5	433.6	413.6	397.2	392.0
62.5°	394.9	382.1	360.5	347.7	341.8
65°	343.7	331.3	312.2	298.5	296.7
67.5°	293.5	278.7	263.9	255.5	249.1
70°	241.1	231.1	219.9	212.8	211.7
72.5°	192.4	185.2	179.6	175.2	171.6
75°	145.6	144.5	142.5	142.5	138.5
77.5°	107.1	109.8	111.4	111.0	111.8
80°	74.3	79.8	83.0	83.4	83.0
82.5°	47.1	53.5	58.8	59.5	60.3
85°	27.6	32.3	35.5	36.3	35.5
87.5°	12.3	15.5	16.4	17.1	16.4
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	15.4	17.0	15.8	17.3	17.6	14.8	16.4	15.2	16.7	17.0
	3H	16.9	18.3	17.2	18.6	19.0	16.2	17.6	16.6	17.9	18.3
	4H	17.3	18.6	17.7	19.0	19.4	16.7	18.0	17.1	18.4	18.7
	6H	17.5	18.8	18.0	19.2	19.6	17.0	18.3	17.4	18.6	19.0
	8H	17.6	18.8	18.0	19.2	19.6	17.1	18.3	17.6	18.7	19.1
	12H	17.6	18.8	18.1	19.2	19.6	17.2	18.3	17.6	18.7	19.2
4H	2H	15.8	17.2	16.2	17.5	17.9	15.4	16.7	15.8	17.1	17.4
	3H	17.5	18.6	17.9	19.0	19.4	16.9	18.1	17.3	18.5	18.9
	4H	18.0	19.1	18.5	19.5	19.9	17.5	18.5	18.0	19.0	19.4
	6H	18.4	19.3	18.9	19.7	20.2	18.0	18.9	18.5	19.3	19.8
	8H	18.5	19.3	19.0	19.8	20.2	18.2	19.0	18.6	19.4	19.9
	12H	18.6	19.3	19.0	19.8	20.2	18.3	19.0	18.8	19.5	20.0
8H	4H	18.2	19.1	18.7	19.5	20.0	17.8	18.6	18.2	19.0	19.5
	6H	18.7	19.4	19.2	19.9	20.3	18.3	19.0	18.8	19.5	20.0
	8H	18.8	19.4	19.3	20.0	20.4	18.6	19.2	19.1	19.7	20.2
	12H	18.9	19.5	19.4	20.0	20.5	18.7	19.3	19.3	19.8	20.3
12H	4H	18.2	19.0	18.7	19.5	19.9	17.8	18.5	18.3	19.0	19.5
	6H	18.7	19.3	19.2	19.8	20.3	18.4	19.0	18.9	19.5	20.0
	8H	18.9	19.4	19.4	19.9	20.5	18.7	19.2	19.2	19.7	20.2

(END OF REPORT)