

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: P1471663

Luminaire Tested: 14PTR-42S-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471663
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 14PTR-42S-L835-UNV-STD-B
Description: 4200 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND Frosted Lens Black Recessed Frame
Light Source: -
Ballast/Driver: -

Summary

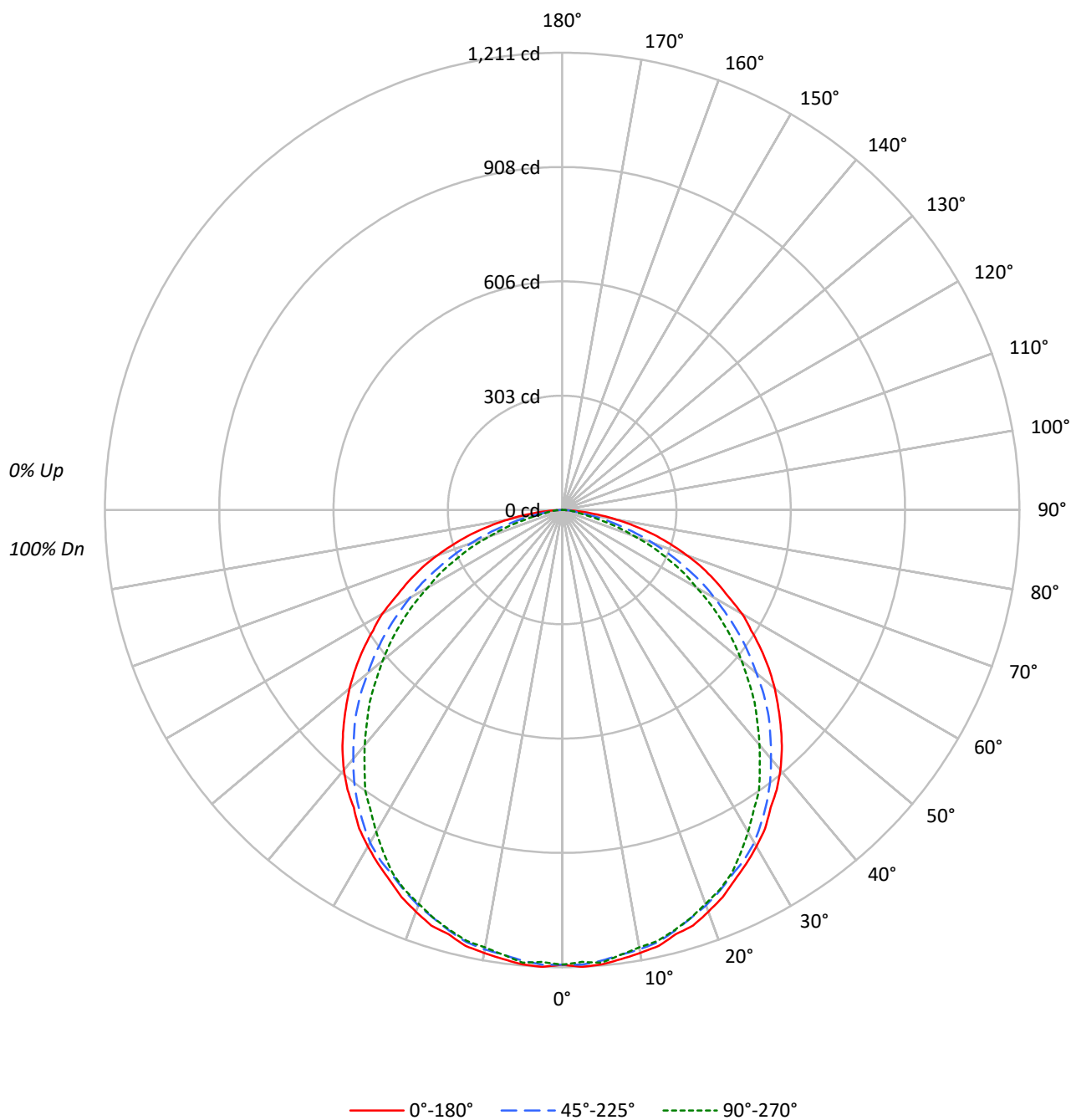
Lumens per Lamp: N/A
Luminaire Lumens: 3207.0 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.7
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	100		
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31		
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3240	3240	3240
5°	3264	3237	3250
10°	3255	3229	3215
15°	3240	3214	3208
20°	3243	3191	3179
25°	3211	3164	3153
30°	3197	3162	3059
35°	3161	3105	2984
40°	3159	3023	2857
45°	3119	2944	2743
50°	3077	2813	2594
55°	3018	2681	2436
60°	2964	2509	2211
65°	2863	2301	1977
70°	2770	2003	1614
75°	2602	1580	1110
80°	2256	956	666
85°	1507	685	642

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3119 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.1	3.6
10°-20°	326.6	10.2
20°-30°	493.3	15.4
30°-40°	586.5	18.3
40°-50°	594.8	18.5
50°-60°	516.5	16.1
60°-70°	366.7	11.4
70°-80°	175.2	5.5
80°-90°	33.2	1.0
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°	934.0	29.1
0°-40°	1520.5	47.4
0°-60°	2631.9	82.1
0°-90°	3207.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3207.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1204	1204	1204	1204	1204	
5°	1208	1204	1198	1201	1203	115
15°	1163	1166	1154	1152	1152	329
25°	1081	1080	1066	1070	1062	499
35°	962	961	945	913	908	605
45°	820	812	774	733	721	632
55°	643	624	572	538	519	575
65°	450	416	361	323	310	445
75°	250	204	152	120	107	262
85°	49	26	22	22	21	62
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1204.0	1204.0	1204.0	1204.0	1204.0
2.5°	1211.2	1206.9	1205.4	1210.4	1198.2
5°	1208.3	1204.0	1198.2	1201.1	1203.3
7.5°	1199.7	1196.1	1188.2	1194.7	1188.2
10°	1191.1	1187.5	1181.8	1183.9	1176.7
12.5°	1182.5	1173.9	1172.4	1173.9	1168.8
15°	1163.1	1166.0	1153.8	1152.4	1151.6
17.5°	1153.8	1146.6	1133.7	1134.4	1133.0
20°	1132.3	1123.7	1114.4	1112.9	1110.0
22.5°	1110.0	1100.0	1091.4	1095.7	1089.3
25°	1081.4	1079.9	1065.6	1069.9	1062.0
27.5°	1056.3	1051.2	1044.8	1035.5	1024.0
30°	1029.0	1024.0	1017.5	993.2	984.6
32.5°	1000.3	994.6	981.7	953.0	943.7
35°	962.3	960.9	945.1	912.8	908.5
37.5°	933.6	917.9	905.0	872.0	859.8
40°	899.2	890.6	860.5	829.0	813.2
42.5°	861.2	851.2	816.8	783.1	765.8
45°	819.6	812.5	773.7	732.9	720.7
47.5°	776.6	770.1	724.3	684.8	669.0
50°	735.0	727.1	671.9	633.9	619.6
52.5°	689.8	676.9	622.4	585.1	571.5
55°	643.2	623.9	571.5	537.8	519.2
57.5°	593.7	575.8	517.7	482.6	467.5
60°	550.7	525.6	466.1	430.3	410.9
62.5°	495.5	474.0	417.3	375.0	365.7
65°	449.6	415.9	361.4	322.7	310.5
67.5°	403.0	363.6	308.3	268.9	262.5
70°	352.1	311.2	254.6	215.8	205.1
72.5°	300.5	260.3	205.1	164.2	157.8
75°	250.3	204.4	152.0	120.5	106.8
77.5°	195.8	154.2	106.8	73.9	65.3
80°	145.6	104.0	61.7	43.7	43.0
82.5°	95.4	60.2	33.0	33.7	32.3
85°	48.8	25.8	22.2	21.5	20.8
87.5°	9.3	10.0	10.8	10.8	10.8
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	16.2	17.8	16.6	18.1	18.5	14.9	16.5	15.3	16.8	17.1
	3H	18.1	19.5	18.4	19.8	20.2	16.2	17.6	16.6	17.9	18.3
	4H	18.7	20.1	19.1	20.4	20.8	16.5	17.8	16.9	18.2	18.5
	6H	19.2	20.5	19.6	20.8	21.2	16.5	17.8	17.0	18.2	18.6
	8H	19.4	20.6	19.8	20.9	21.3	16.6	17.8	17.0	18.1	18.5
	12H	19.4	20.6	19.9	21.0	21.4	16.6	17.7	17.0	18.1	18.5
4H	2H	16.6	18.0	17.0	18.3	18.7	15.6	16.9	16.0	17.3	17.7
	3H	18.7	19.8	19.1	20.2	20.6	17.0	18.1	17.4	18.5	18.9
	4H	19.5	20.5	19.9	20.9	21.3	17.4	18.4	17.8	18.8	19.2
	6H	20.0	20.9	20.5	21.4	21.8	17.5	18.4	17.9	18.8	19.3
	8H	20.2	21.0	20.7	21.5	21.9	17.5	18.3	18.0	18.8	19.2
	12H	20.3	21.0	20.8	21.5	22.0	17.5	18.3	18.0	18.8	19.2
8H	4H	19.6	20.4	20.0	20.8	21.3	17.6	18.5	18.1	18.9	19.4
	6H	20.2	20.9	20.7	21.4	21.8	17.8	18.5	18.3	19.0	19.4
	8H	20.4	21.0	20.9	21.5	22.0	17.8	18.4	18.3	19.0	19.4
	12H	20.5	21.1	21.0	21.6	22.1	17.9	18.4	18.4	18.9	19.5
12H	4H	19.5	20.3	20.0	20.8	21.2	17.7	18.4	18.1	18.9	19.3
	6H	20.2	20.8	20.7	21.3	21.8	17.8	18.4	18.3	18.9	19.4
	8H	20.4	20.9	20.9	21.4	22.0	17.9	18.4	18.4	18.9	19.5

(END OF REPORT)