

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: P1471631

Luminaire Tested: 14PTR-20S-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471631
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-20S-L835-UNV-STD-B
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND Frosted Lens Black Recessed Frame
Light Source: -
Ballast/Driver: -

Summary

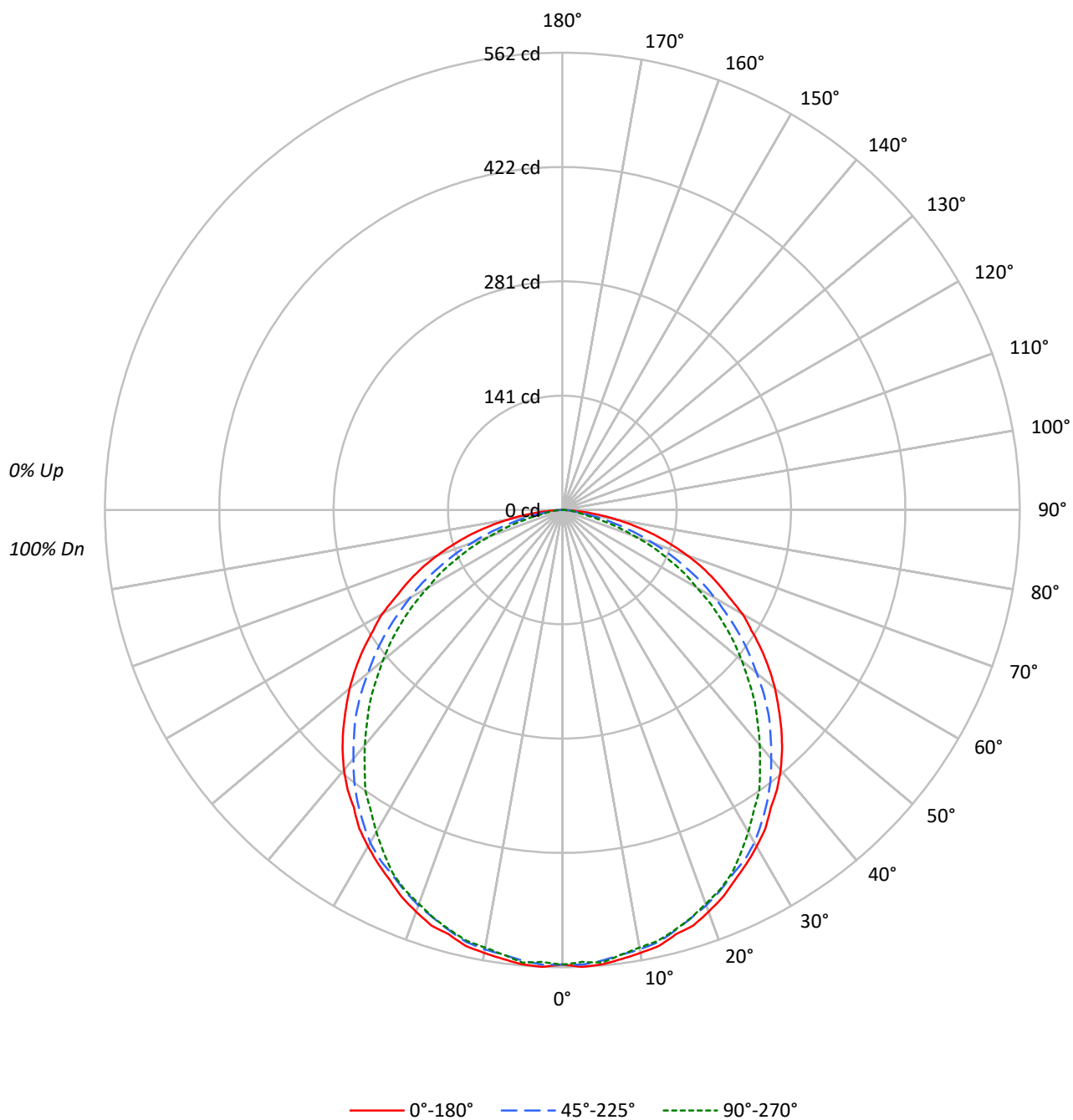
Lumens per Lamp: N/A
Luminaire Lumens: 1488.3 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16.4
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	100		100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72		72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31		31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28		28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1503	1503	1503
5°	1515	1502	1508
10°	1511	1498	1492
15°	1504	1492	1489
20°	1505	1481	1475
25°	1490	1468	1463
30°	1484	1467	1420
35°	1467	1441	1385
40°	1466	1403	1326
45°	1448	1367	1273
50°	1428	1305	1204
55°	1400	1244	1130
60°	1376	1164	1026
65°	1329	1068	918
70°	1286	929	749
75°	1207	733	516
80°	1048	443	310
85°	698	318	299

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1448 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.0	3.6
10°-20°	151.6	10.2
20°-30°	228.9	15.4
30°-40°	272.2	18.3
40°-50°	276.0	18.5
50°-60°	239.7	16.1
60°-70°	170.2	11.4
70°-80°	81.3	5.5
80°-90°	15.4	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°	433.4	29.1
0°-40°	705.6	47.4
0°-60°	1221.4	82.1
0°-90°	1488.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1488.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	559	559	559	559	559	
5°	561	559	556	557	558	53
15°	540	541	535	535	534	153
25°	502	501	494	496	493	232
35°	447	446	439	424	422	281
45°	380	377	359	340	334	293
55°	298	290	265	250	241	267
65°	209	193	168	150	144	207
75°	116	95	70	56	50	122
85°	23	12	10	10	10	29
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	558.7	558.7	558.7	558.7	558.7
2.5°	562.1	560.1	559.4	561.7	556.1
5°	560.7	558.7	556.1	557.4	558.4
7.5°	556.7	555.1	551.4	554.4	551.4
10°	552.8	551.1	548.4	549.4	546.1
12.5°	548.8	544.8	544.1	544.8	542.4
15°	539.8	541.1	535.4	534.8	534.4
17.5°	535.4	532.1	526.1	526.5	525.8
20°	525.5	521.5	517.1	516.5	515.1
22.5°	515.1	510.5	506.5	508.5	505.5
25°	501.8	501.2	494.5	496.5	492.8
27.5°	490.2	487.9	484.9	480.5	475.2
30°	477.5	475.2	472.2	460.9	456.9
32.5°	464.2	461.6	455.6	442.3	437.9
35°	446.6	445.9	438.6	423.6	421.6
37.5°	433.3	426.0	420.0	404.7	399.0
40°	417.3	413.3	399.3	384.7	377.4
42.5°	399.7	395.0	379.0	363.4	355.4
45°	380.4	377.0	359.1	340.1	334.4
47.5°	360.4	357.4	336.1	317.8	310.5
50°	341.1	337.4	311.8	294.2	287.5
52.5°	320.1	314.1	288.9	271.5	265.2
55°	298.5	289.5	265.2	249.6	240.9
57.5°	275.5	267.2	240.3	224.0	217.0
60°	255.6	243.9	216.3	199.7	190.7
62.5°	230.0	220.0	193.7	174.0	169.7
65°	208.7	193.0	167.7	149.8	144.1
67.5°	187.0	168.7	143.1	124.8	121.8
70°	163.4	144.4	118.1	100.2	95.2
72.5°	139.4	120.8	95.2	76.2	73.2
75°	116.1	94.8	70.5	55.9	49.6
77.5°	90.8	71.5	49.6	34.3	30.3
80°	67.6	48.3	28.6	20.3	20.0
82.5°	44.3	28.0	15.3	15.6	15.0
85°	22.6	12.0	10.3	10.0	9.7
87.5°	4.3	4.7	5.0	5.0	5.0
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	13.9	15.5	15.8	12.2	13.8	12.6	14.2	14.5
	3H	15.4	16.8	15.8	17.2	17.5	13.5	15.0	13.9	15.3	15.6
	4H	16.1	17.4	16.5	17.8	18.2	13.8	15.2	14.2	15.5	15.9
	6H	16.6	17.8	17.0	18.2	18.6	13.9	15.1	14.3	15.5	15.9
	8H	16.7	17.9	17.1	18.3	18.7	13.9	15.1	14.3	15.5	15.9
	12H	16.8	17.9	17.2	18.3	18.7	13.9	15.0	14.3	15.4	15.9
4H	2H	14.0	15.3	14.4	15.7	16.1	12.9	14.3	13.3	14.6	15.0
	3H	16.0	17.1	16.4	17.5	17.9	14.3	15.5	14.8	15.9	16.3
	4H	16.8	17.8	17.2	18.2	18.7	14.7	15.7	15.1	16.1	16.6
	6H	17.4	18.3	17.8	18.7	19.2	14.8	15.7	15.3	16.1	16.6
	8H	17.5	18.4	18.0	18.8	19.3	14.8	15.7	15.3	16.1	16.6
	12H	17.6	18.4	18.1	18.9	19.3	14.9	15.6	15.3	16.1	16.6
8H	4H	16.9	17.7	17.3	18.2	18.6	15.0	15.8	15.4	16.2	16.7
	6H	17.5	18.2	18.0	18.7	19.2	15.1	15.8	15.6	16.3	16.8
	8H	17.7	18.3	18.2	18.8	19.3	15.2	15.8	15.7	16.3	16.8
	12H	17.9	18.4	18.4	18.9	19.5	15.2	15.8	15.7	16.2	16.8
12H	4H	16.9	17.6	17.4	18.1	18.6	15.0	15.7	15.5	16.2	16.7
	6H	17.5	18.1	18.0	18.6	19.1	15.2	15.8	15.7	16.2	16.8
	8H	17.7	18.3	18.2	18.8	19.3	15.2	15.8	15.7	16.2	16.8

(END OF REPORT)