

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: P1471747

Luminaire Tested: 24PTR-20S-PC3-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471747
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-20S-PC3-L835-UNV-STD-B
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PC3 Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

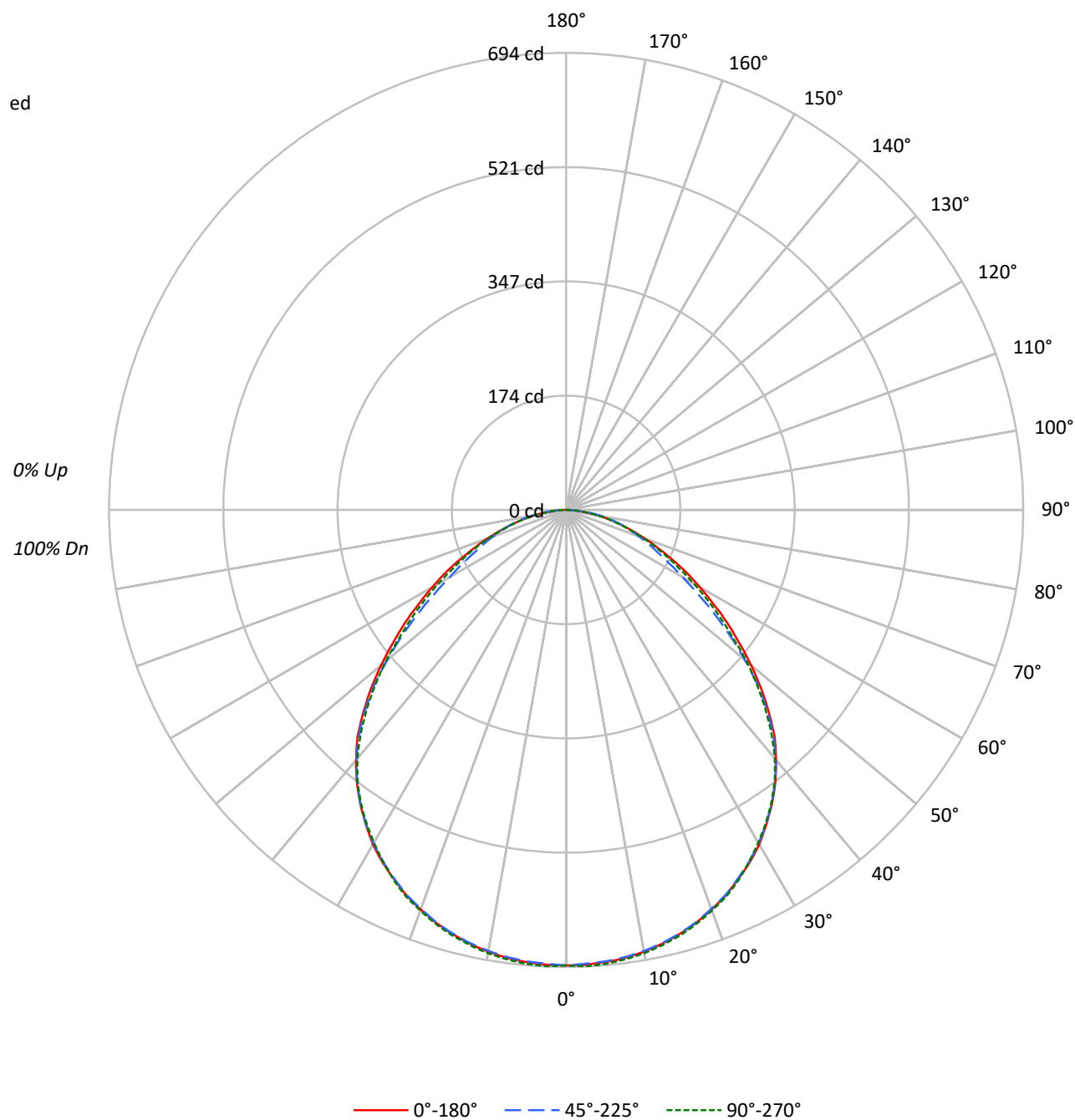
Lumens per Lamp: N/A
Luminaire Lumens: 1743.8 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16.7
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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	931	931	931
5°	931	929	935
10°	931	929	934
15°	929	928	932
20°	924	923	927
25°	918	917	920
30°	911	908	907
35°	895	894	892
40°	871	870	866
45°	828	822	814
50°	767	741	749
55°	700	643	672
60°	631	549	602
65°	564	491	541
70°	500	464	487
75°	442	450	434
80°	382	430	380
85°	286	340	286

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 830 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.6	3.8
10°-20°	188.3	10.8
20°-30°	285.1	16.3
30°-40°	339.9	19.5
40°-50°	332.1	19.0
50°-60°	254.0	14.6
60°-70°	163.0	9.4
70°-80°	90.7	5.2
80°-90°	25.1	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°	539.0	30.9
0°-40°	878.9	50.4
0°-60°	1465.0	84.0
0°-90°	1743.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1743.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	692	692	692	692	692	
5°	689	690	688	691	692	66
15°	667	667	666	668	669	188
25°	618	619	618	620	620	285
35°	545	545	544	544	543	340
45°	435	436	432	431	428	335
55°	298	288	274	278	286	267
65°	177	164	154	159	170	177
75°	85	86	87	85	83	91
85°	18	22	22	21	18	23
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	691.7	691.7	691.7	691.7	691.7
2.5°	691.2	691.5	689.7	692.6	693.6
5°	689.2	689.7	688.0	691.2	691.9
7.5°	686.3	686.7	685.0	688.2	688.5
10°	681.3	681.6	680.1	683.3	683.7
12.5°	674.7	675.4	673.7	676.6	676.8
15°	666.7	667.2	665.9	668.2	668.9
17.5°	657.3	657.6	656.3	658.8	659.0
20°	645.6	645.6	644.6	647.4	647.4
22.5°	633.8	633.0	632.8	633.8	635.3
25°	618.5	619.2	617.5	619.5	619.9
27.5°	603.7	603.7	602.1	603.1	601.9
30°	586.6	585.6	584.6	584.8	583.6
32.5°	566.0	566.0	565.5	565.5	564.0
35°	544.8	545.2	544.2	544.0	543.3
37.5°	522.0	522.8	521.0	520.5	520.0
40°	496.0	496.0	495.3	494.3	493.0
42.5°	469.0	469.0	465.9	463.3	461.6
45°	435.4	436.4	432.2	431.2	427.8
47.5°	402.0	401.2	395.6	394.9	392.9
50°	366.4	362.1	354.1	356.2	358.0
52.5°	330.8	325.6	313.7	316.1	319.1
55°	298.3	288.0	274.1	277.6	286.5
57.5°	264.4	250.6	236.8	243.2	254.3
60°	234.5	219.0	203.9	210.8	223.6
62.5°	205.8	189.3	177.2	183.8	194.7
65°	177.2	163.5	154.1	159.3	170.0
67.5°	150.9	141.7	135.4	137.8	146.4
70°	127.2	121.4	118.0	118.7	123.7
72.5°	104.6	103.2	101.9	101.9	102.4
75°	85.1	85.8	86.6	85.4	83.4
77.5°	67.1	69.5	71.3	68.8	66.3
80°	49.3	53.2	55.5	52.7	49.0
82.5°	33.6	38.1	38.8	37.1	32.9
85°	18.5	21.8	22.0	21.3	18.5
87.5°	6.9	8.2	8.9	8.2	7.2
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	10.2	11.8	10.6	12.1	12.4	10.0	11.6	10.4	11.9	12.2
	3H	11.7	13.1	12.0	13.4	13.7	11.4	12.8	11.8	13.2	13.5
	4H	12.2	13.5	12.6	13.9	14.2	12.0	13.3	12.4	13.7	14.0
	6H	12.6	13.8	13.0	14.2	14.6	12.4	13.6	12.8	14.0	14.4
	8H	12.7	13.9	13.1	14.3	14.7	12.5	13.7	13.0	14.1	14.5
	12H	12.8	13.9	13.2	14.3	14.7	12.6	13.7	13.0	14.1	14.5
4H	2H	10.6	11.9	11.0	12.3	12.6	10.4	11.7	10.8	12.1	12.5
	3H	12.3	13.4	12.7	13.8	14.2	12.1	13.2	12.5	13.6	14.0
	4H	13.0	14.0	13.4	14.4	14.8	12.8	13.8	13.3	14.2	14.7
	6H	13.5	14.4	14.0	14.8	15.3	13.4	14.2	13.8	14.7	15.1
	8H	13.7	14.5	14.1	14.9	15.4	13.5	14.3	14.0	14.8	15.3
	12H	13.8	14.5	14.3	15.0	15.5	13.6	14.4	14.1	14.8	15.3
8H	4H	13.2	14.0	13.7	14.5	15.0	13.1	13.9	13.6	14.3	14.8
	6H	13.9	14.6	14.4	15.1	15.5	13.8	14.5	14.3	14.9	15.4
	8H	14.2	14.8	14.7	15.3	15.8	14.0	14.6	14.5	15.1	15.6
	12H	14.3	14.9	14.8	15.4	15.9	14.2	14.7	14.7	15.2	15.8
12H	4H	13.3	14.0	13.7	14.5	14.9	13.1	13.9	13.6	14.3	14.8
	6H	14.0	14.6	14.5	15.0	15.6	13.9	14.5	14.4	14.9	15.5
	8H	14.3	14.8	14.8	15.3	15.9	14.1	14.7	14.7	15.2	15.7

(END OF REPORT)