

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: P1471771

Luminaire Tested: 24PTR-30S-PR1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30S-PR1-L835-UNV-STD-B
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PR1 Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

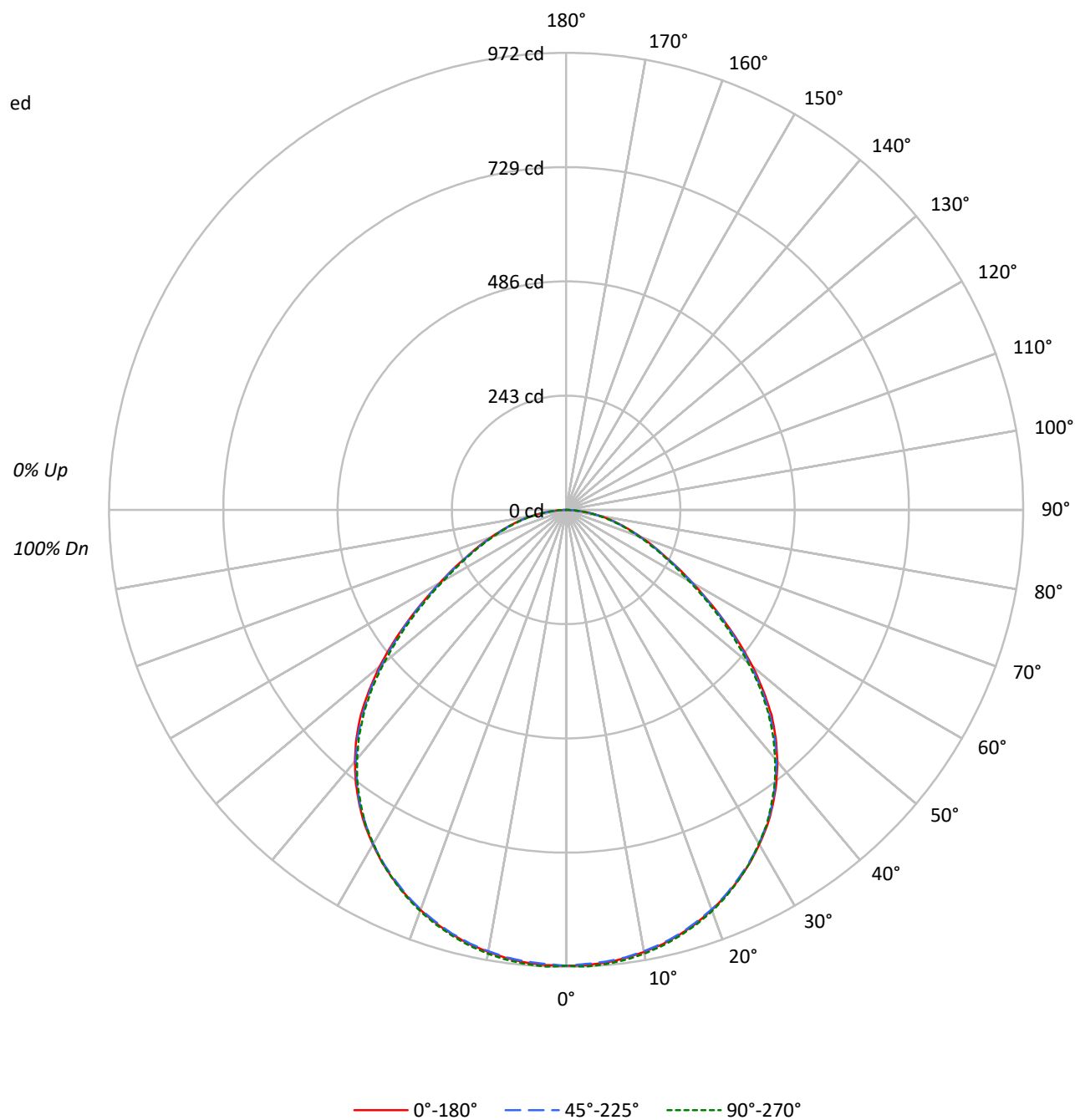
Lumens per Lamp: N/A
Luminaire Lumens: 2451.7 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23.7
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					0
RW	70	50	30	10	70	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
1	110	105	101	98	107	103	99	96		99	96	93		95	92	90		91	89	88
2	100	93	86	81	98	91	85	80		87	82	78		84	80	76		81	78	75
3	92	82	74	68	90	80	73	68		78	71	66		75	70	65		72	68	64
4	85	73	65	58	82	72	64	58		69	63	57		67	61	56		65	60	56
5	78	66	57	51	76	65	56	50		62	55	50		61	54	49		59	53	49
6	72	59	51	45	70	58	50	44		57	49	44		55	49	44		53	48	43
7	67	54	45	40	65	53	45	39		52	44	39		50	44	39		49	43	39
8	62	49	41	35	61	49	41	35		47	40	35		46	40	35		45	39	35
9	58	45	37	32	57	45	37	32		44	37	32		43	36	32		42	36	31
10	55	42	34	29	54	41	34	29		40	34	29		39	33	29		39	33	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1304	1304	1304
5°	1306	1303	1310
10°	1304	1302	1309
15°	1302	1300	1306
20°	1297	1295	1300
25°	1288	1285	1290
30°	1277	1275	1274
35°	1259	1256	1251
40°	1227	1222	1214
45°	1176	1163	1154
50°	1082	1070	1057
55°	958	954	935
60°	832	829	807
65°	734	729	715
70°	666	656	643
75°	616	602	591
80°	563	555	536
85°	445	440	423

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1176 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.9	3.8
10°-20°	263.9	10.8
20°-30°	399.9	16.3
30°-40°	477.3	19.5
40°-50°	469.4	19.1
50°-60°	362.8	14.8
60°-70°	228.8	9.3
70°-80°	123.7	5.0
80°-90°	33.8	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°	755.7	30.8
0°-40°	1233.1	50.3
0°-60°	2065.3	84.2
0°-90°	2451.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2451.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	969	969	969	969	969	
5°	967	967	964	969	970	92
15°	935	935	933	936	938	264
25°	868	868	866	868	869	400
35°	766	767	765	764	762	479
45°	618	616	611	606	607	473
55°	408	412	406	400	398	366
65°	230	231	229	225	224	232
75°	118	117	116	116	114	126
85°	29	29	28	29	27	34
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	969.4	969.4	969.4	969.4	969.4
2.5°	969.0	969.4	966.6	971.2	972.2
5°	966.6	967.0	964.5	968.7	969.8
7.5°	961.7	962.5	960.1	964.2	965.3
10°	954.8	955.5	953.1	957.3	958.3
12.5°	946.2	946.4	944.4	948.2	949.2
15°	934.7	935.0	933.3	936.3	937.7
17.5°	921.4	921.8	919.4	923.2	923.8
20°	905.5	905.8	904.4	907.6	907.9
22.5°	887.7	888.5	886.3	889.1	889.5
25°	867.7	868.3	865.5	868.3	868.7
27.5°	846.5	846.7	844.3	846.5	846.1
30°	821.7	823.9	820.7	819.9	819.7
32.5°	796.1	796.3	793.3	792.6	793.9
35°	766.5	766.8	764.8	763.8	761.6
37.5°	734.2	734.2	730.3	729.7	729.3
40°	698.8	698.4	696.0	693.6	691.1
42.5°	660.1	660.9	656.0	651.8	651.2
45°	618.1	615.7	611.1	606.3	606.7
47.5°	568.5	569.1	562.9	559.0	558.0
50°	517.0	517.0	511.2	507.0	504.8
52.5°	463.2	463.6	458.0	452.5	451.3
55°	408.3	411.7	406.5	399.9	398.5
57.5°	356.9	359.7	354.7	347.8	347.4
60°	309.3	309.5	308.2	301.6	299.8
62.5°	268.6	266.9	266.1	262.7	260.6
65°	230.4	230.8	229.0	225.1	224.5
67.5°	199.5	199.1	195.9	193.5	192.1
70°	169.2	168.2	166.8	164.7	163.4
72.5°	142.1	142.1	141.0	140.4	138.0
75°	118.5	117.2	115.8	116.4	113.6
77.5°	95.9	94.6	93.4	92.0	91.4
80°	72.6	71.2	71.6	69.4	69.2
82.5°	50.4	50.4	49.7	48.0	48.4
85°	28.8	29.2	28.5	28.8	27.4
87.5°	10.5	10.7	11.5	10.7	10.7
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	11.5	13.0	11.8	13.3	13.6	11.2	12.8	11.6	13.1	13.4
	3H	12.8	14.2	13.2	14.5	14.9	12.6	14.0	13.0	14.3	14.7
	4H	13.3	14.6	13.7	15.0	15.4	13.1	14.4	13.5	14.8	15.1
	6H	13.7	14.9	14.1	15.3	15.7	13.5	14.7	13.9	15.1	15.5
	8H	13.9	15.0	14.3	15.4	15.8	13.6	14.8	14.1	15.2	15.6
	12H	13.9	15.0	14.4	15.4	15.9	13.7	14.8	14.1	15.2	15.6
4H	2H	11.9	13.2	12.3	13.6	13.9	11.7	13.0	12.1	13.4	13.8
	3H	13.5	14.6	13.9	15.0	15.4	13.3	14.4	13.7	14.8	15.2
	4H	14.1	15.1	14.6	15.5	16.0	14.0	14.9	14.4	15.4	15.8
	6H	14.7	15.5	15.1	16.0	16.4	14.5	15.3	14.9	15.8	16.2
	8H	14.8	15.6	15.3	16.1	16.6	14.6	15.5	15.1	15.9	16.4
	12H	15.0	15.7	15.4	16.2	16.6	14.8	15.5	15.2	16.0	16.4
8H	4H	14.4	15.2	14.8	15.6	16.1	14.2	15.0	14.7	15.5	15.9
	6H	15.0	15.7	15.5	16.2	16.7	14.8	15.5	15.3	16.0	16.5
	8H	15.3	15.9	15.8	16.4	16.9	15.1	15.7	15.6	16.2	16.7
	12H	15.4	16.0	16.0	16.5	17.0	15.3	15.8	15.8	16.3	16.9
12H	4H	14.4	15.1	14.9	15.6	16.1	14.2	15.0	14.7	15.4	15.9
	6H	15.1	15.7	15.6	16.1	16.7	14.9	15.5	15.4	16.0	16.5
	8H	15.4	15.9	15.9	16.4	16.9	15.2	15.7	15.7	16.2	16.8

(END OF REPORT)