

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: P1471772

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471772
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-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PR1 Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

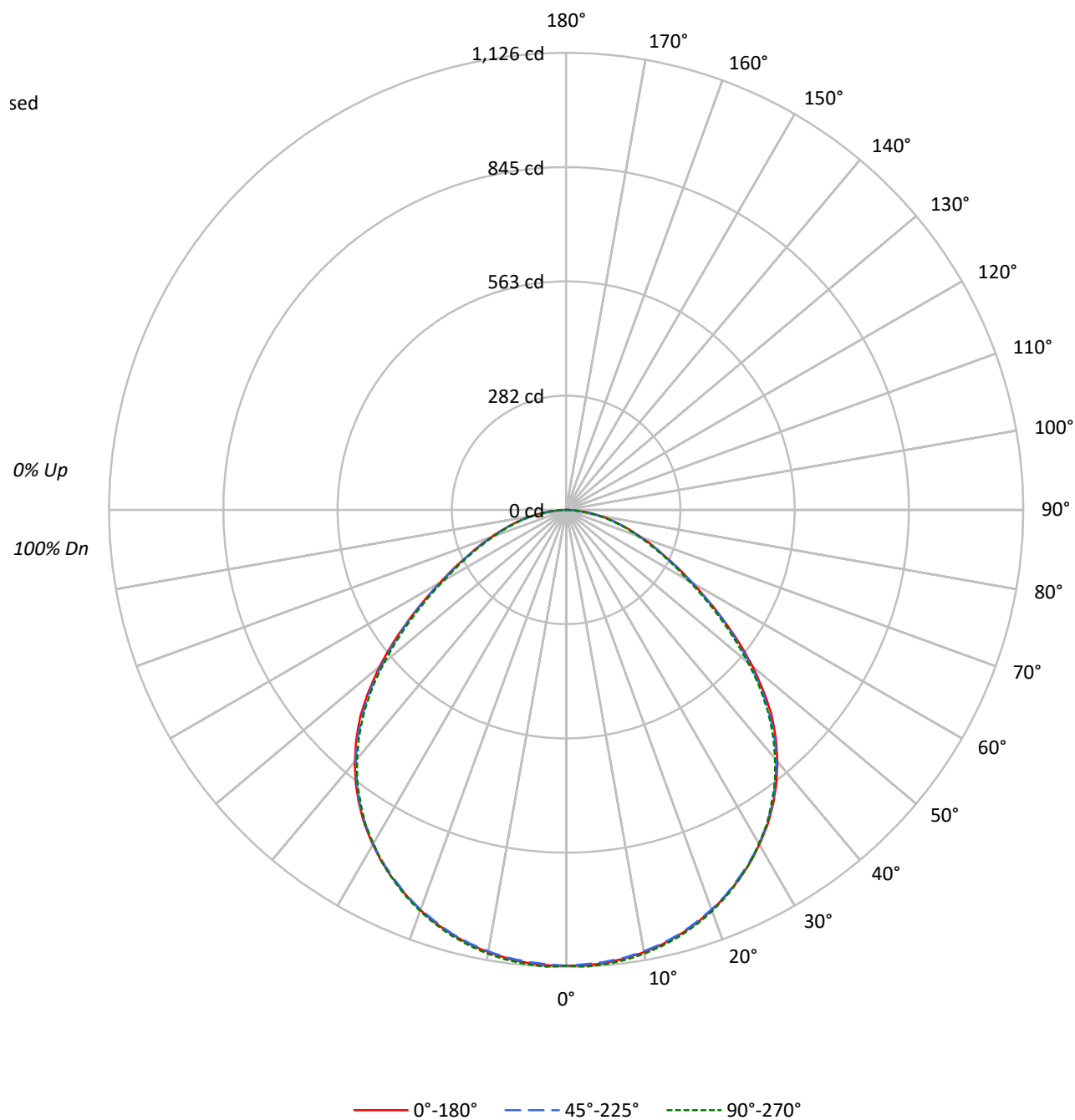
Lumens per Lamp: N/A
Luminaire Lumens: 2840.3 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	88	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1511	1511	1511
5°	1513	1509	1517
10°	1511	1509	1517
15°	1508	1506	1513
20°	1502	1500	1506
25°	1492	1489	1494
30°	1479	1477	1475
35°	1459	1455	1449
40°	1422	1416	1406
45°	1363	1347	1337
50°	1254	1240	1224
55°	1110	1105	1083
60°	964	961	935
65°	850	845	828
70°	771	760	745
75°	714	697	684
80°	652	642	621
85°	514	511	489

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1363 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.5	3.8
10°-20°	305.8	10.8
20°-30°	463.2	16.3
30°-40°	553.0	19.5
40°-50°	543.8	19.1
50°-60°	420.3	14.8
60°-70°	265.0	9.3
70°-80°	143.4	5.0
80°-90°	39.2	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°	875.6	30.8
0°-40°	1428.6	50.3
0°-60°	2392.8	84.2
0°-90°	2840.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2840.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1123	1123	1123	1123	1123	
5°	1120	1120	1117	1122	1124	106
15°	1083	1083	1081	1085	1086	306
25°	1005	1006	1003	1006	1006	463
35°	888	888	886	885	882	554
45°	716	713	708	702	703	548
55°	473	477	471	463	462	424
65°	267	267	265	261	260	269
75°	137	136	134	135	132	146
85°	33	34	33	33	32	40
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1123.1	1123.1	1123.1	1123.1	1123.1
2.5°	1122.7	1123.1	1119.9	1125.2	1126.3
5°	1119.9	1120.3	1117.4	1122.2	1123.5
7.5°	1114.2	1115.1	1112.3	1117.1	1118.3
10°	1106.1	1107.0	1104.2	1109.1	1110.2
12.5°	1096.2	1096.5	1094.1	1098.5	1099.7
15°	1082.9	1083.2	1081.3	1084.8	1086.4
17.5°	1067.5	1068.0	1065.2	1069.6	1070.3
20°	1049.1	1049.4	1047.8	1051.4	1051.9
22.5°	1028.5	1029.4	1026.9	1030.1	1030.5
25°	1005.2	1006.0	1002.7	1006.0	1006.4
27.5°	980.7	980.9	978.2	980.7	980.2
30°	952.0	954.5	950.8	949.9	949.6
32.5°	922.3	922.6	919.1	918.2	919.8
35°	888.1	888.4	886.0	884.9	882.4
37.5°	850.6	850.6	846.1	845.4	844.9
40°	809.5	809.1	806.3	803.5	800.6
42.5°	764.8	765.7	760.0	755.1	754.4
45°	716.1	713.3	708.0	702.5	702.9
47.5°	658.6	659.3	652.2	647.6	646.5
50°	598.9	598.9	592.2	587.4	584.9
52.5°	536.6	537.1	530.6	524.2	522.9
55°	473.0	476.9	470.9	463.3	461.7
57.5°	413.5	416.7	411.0	402.9	402.5
60°	358.3	358.6	357.0	349.4	347.4
62.5°	311.2	309.2	308.3	304.4	301.9
65°	266.9	267.4	265.3	260.8	260.0
67.5°	231.1	230.6	227.0	224.2	222.6
70°	196.0	194.8	193.2	190.9	189.3
72.5°	164.7	164.7	163.4	162.6	159.9
75°	137.3	135.7	134.1	134.8	131.6
77.5°	111.2	109.5	108.2	106.6	105.9
80°	84.1	82.5	82.9	80.4	80.1
82.5°	58.4	58.4	57.6	55.6	56.0
85°	33.3	33.8	33.1	33.3	31.7
87.5°	12.1	12.4	13.3	12.4	12.4
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	12.0	13.5	12.3	13.8	14.2	11.7	13.3	12.1	13.6	13.9
	3H	13.3	14.7	13.7	15.0	15.4	13.1	14.5	13.5	14.8	15.2
	4H	13.8	15.1	14.2	15.5	15.9	13.6	14.9	14.0	15.3	15.7
	6H	14.2	15.5	14.6	15.8	16.2	14.0	15.2	14.4	15.6	16.0
	8H	14.4	15.5	14.8	15.9	16.3	14.1	15.3	14.6	15.7	16.1
	12H	14.4	15.6	14.9	15.9	16.4	14.2	15.3	14.6	15.7	16.1
4H	2H	12.4	13.7	12.8	14.1	14.5	12.2	13.5	12.6	13.9	14.3
	3H	14.0	15.1	14.4	15.5	15.9	13.8	14.9	14.2	15.3	15.7
	4H	14.6	15.6	15.1	16.0	16.5	14.5	15.4	14.9	15.9	16.3
	6H	15.2	16.0	15.6	16.5	16.9	15.0	15.8	15.4	16.3	16.7
	8H	15.4	16.2	15.8	16.6	17.1	15.2	16.0	15.6	16.4	16.9
	12H	15.5	16.2	16.0	16.7	17.1	15.3	16.0	15.8	16.5	16.9
8H	4H	14.9	15.7	15.3	16.1	16.6	14.7	15.5	15.2	16.0	16.4
	6H	15.5	16.2	16.0	16.7	17.2	15.4	16.0	15.9	16.5	17.0
	8H	15.8	16.4	16.3	16.9	17.4	15.6	16.2	16.1	16.7	17.2
	12H	16.0	16.5	16.5	17.0	17.5	15.8	16.3	16.3	16.8	17.4
12H	4H	14.9	15.6	15.4	16.1	16.6	14.7	15.5	15.2	15.9	16.4
	6H	15.6	16.2	16.1	16.6	17.2	15.4	16.0	15.9	16.5	17.0
	8H	15.9	16.4	16.4	16.9	17.5	15.7	16.2	16.2	16.7	17.3

(END OF REPORT)