

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: P1471637

Luminaire Tested: 14PTR-20S-PL1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471637
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 14PTR-20S-PL1-L835-UNV-STD-B
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PL1 Lens Black Recess
Frame
Light Source: -
Ballast/Driver: -

Summary

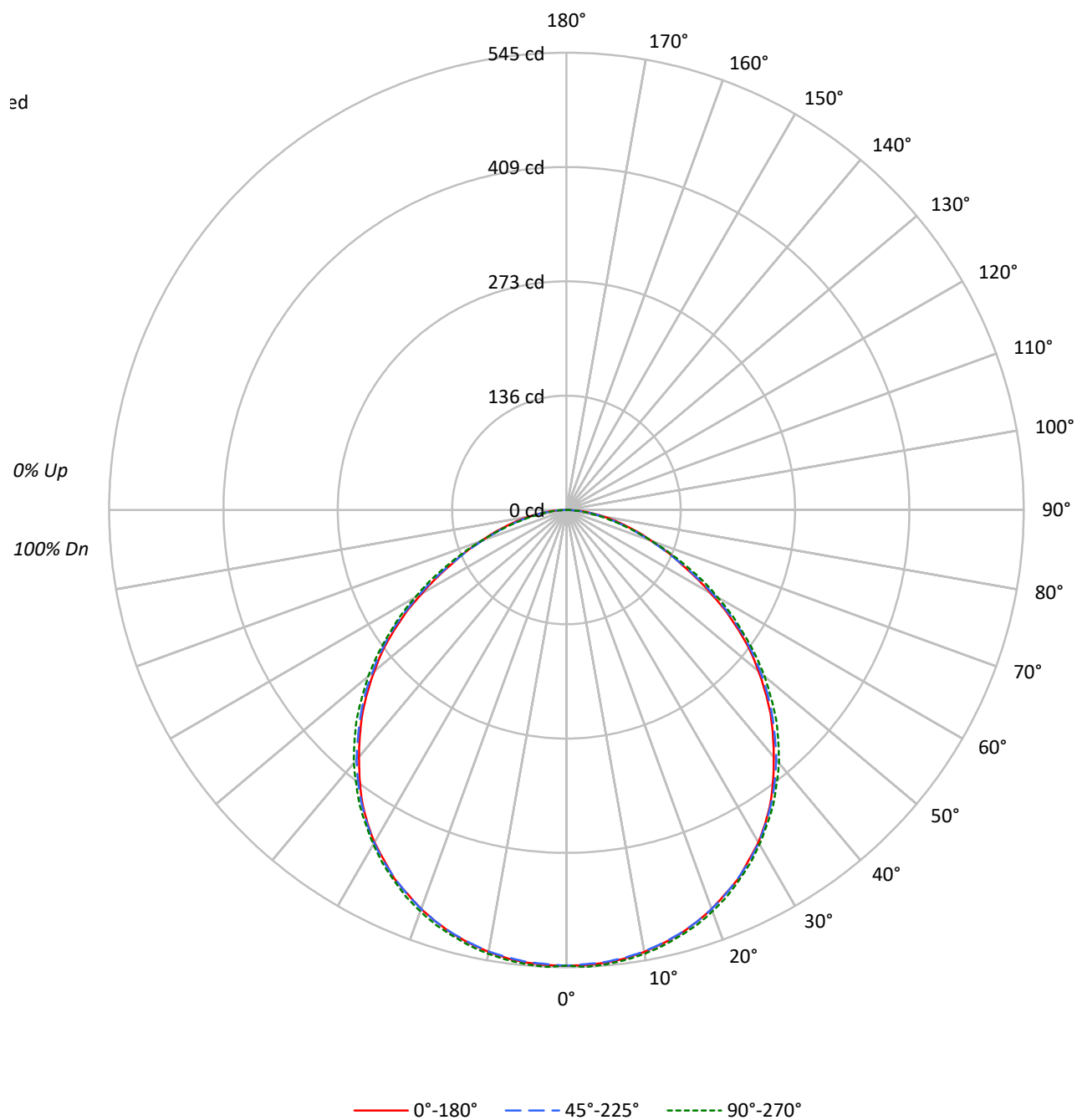
Lumens per Lamp: N/A
Luminaire Lumens: 1432.1 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1471637

CATALOG NUMBER: 14PTR-20S-PL1-L835-UNV-STD-B

Luminous Intensity Polar Plot



TEST NUMBER: P1471637

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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	109	105	101	97	107	103	99	96		98	95	93		94	92	90		91	89	87
2	100	92	86	80	97	90	84	79		87	82	77		83	79	75		80	77	74
3	91	81	73	67	89	80	72	66		77	70	65		74	69	64		71	67	63
4	84	72	64	57	82	71	63	57		68	61	56		66	60	55		64	59	55
5	77	65	56	49	75	64	55	49		61	54	49		60	53	48		58	52	48
6	71	58	50	43	69	57	49	43		56	48	43		54	47	42		52	47	42
7	66	53	44	38	65	52	44	38		51	43	38		49	43	38		48	42	37
8	62	48	40	34	60	48	40	34		46	39	34		45	39	34		44	38	34
9	58	44	36	31	56	44	36	31		43	36	31		42	35	30		41	35	30
10	54	41	33	28	53	41	33	28		40	33	28		39	32	28		38	32	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1462	1462	1462
5°	1463	1461	1468
10°	1461	1460	1468
15°	1457	1456	1464
20°	1450	1450	1458
25°	1440	1438	1446
30°	1422	1423	1430
35°	1395	1400	1411
40°	1351	1367	1384
45°	1309	1320	1345
50°	1251	1265	1290
55°	1179	1198	1212
60°	1069	1092	1119
65°	949	960	998
70°	849	832	852
75°	766	722	707
80°	696	646	573
85°	590	534	460

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1345 cd/sqm

TEST NUMBER: P1471637

CATALOG NUMBER: 14PTR-20S-PL1-L835-UNV-STD-B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.5	3.6
10°-20°	147.8	10.3
20°-30°	223.6	15.6
30°-40°	266.5	18.6
40°-50°	268.0	18.7
50°-60°	227.4	15.9
60°-70°	151.4	10.6
70°-80°	75.6	5.3
80°-90°	20.2	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°	422.9	29.5
0°-40°	689.4	48.1
0°-60°	1184.8	82.7
0°-90°	1432.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1432.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	543	543	543	543	543	
5°	542	542	541	543	544	51
15°	523	524	523	525	525	148
25°	485	485	484	486	487	223
35°	424	425	426	429	430	265
45°	344	345	347	351	354	265
55°	251	253	255	258	258	224
65°	149	150	151	153	157	149
75°	74	73	69	68	68	79
85°	19	19	17	16	15	22
90°	0	0	0	0	0	

TEST NUMBER: P1471637

CATALOG NUMBER: 14PTR-20S-PL1-L835-UNV-STD-B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	543.3	543.3	543.3	543.3	543.3
2.5°	542.8	543.3	541.8	544.5	545.1
5°	541.7	541.8	540.7	543.1	543.6
7.5°	539.0	539.3	538.0	540.7	541.0
10°	534.8	535.2	534.2	536.6	537.2
12.5°	529.4	530.0	528.9	531.6	532.0
15°	523.0	523.5	522.7	524.9	525.4
17.5°	515.1	515.5	515.1	517.1	518.3
20°	506.2	506.2	506.2	508.0	509.1
22.5°	495.2	496.2	495.7	498.2	499.2
25°	484.9	484.9	484.3	486.5	486.9
27.5°	470.6	472.2	472.0	474.0	474.5
30°	457.5	457.9	458.1	459.5	460.3
32.5°	441.6	442.0	442.6	444.6	444.8
35°	424.5	424.9	426.1	429.1	429.6
37.5°	404.6	406.8	407.8	411.0	411.4
40°	384.6	386.0	389.1	392.5	394.1
42.5°	364.3	365.9	367.7	372.4	373.8
45°	344.0	344.6	346.8	351.4	353.5
47.5°	321.5	323.3	325.3	329.3	330.5
50°	298.9	300.9	302.1	305.7	308.1
52.5°	276.2	278.0	279.4	281.6	284.0
55°	251.2	253.0	255.3	257.7	258.3
57.5°	225.9	227.8	229.3	231.9	234.5
60°	198.6	200.9	202.9	205.3	207.9
62.5°	173.3	174.3	176.3	180.4	184.2
65°	149.1	150.4	150.7	153.0	156.8
67.5°	129.0	129.0	127.2	128.0	132.2
70°	107.9	107.1	105.7	104.9	108.3
72.5°	90.8	89.7	86.7	85.4	87.2
75°	73.7	72.6	69.4	67.8	68.0
77.5°	59.2	57.6	54.9	52.1	51.6
80°	44.9	44.2	41.7	39.1	37.0
82.5°	31.8	30.4	29.0	27.4	25.7
85°	19.1	18.7	17.3	16.3	14.9
87.5°	7.8	7.8	7.5	7.0	6.7
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1471637

CATALOG NUMBER: 14PTR-20S-PL1-L835-UNV-STD-B

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	12.5	14.1	12.9	14.4	14.7	12.7	14.3	13.0	14.6	14.9
	3H	13.9	15.3	14.3	15.7	16.0	14.0	15.4	14.4	15.8	16.1
	4H	14.4	15.8	14.8	16.1	16.5	14.4	15.8	14.8	16.1	16.5
	6H	14.8	16.0	15.2	16.4	16.8	14.7	16.0	15.1	16.3	16.7
	8H	14.9	16.1	15.3	16.5	16.9	14.8	16.0	15.2	16.4	16.8
	12H	15.0	16.1	15.4	16.5	17.0	14.8	16.0	15.3	16.4	16.8
4H	2H	13.0	14.4	13.4	14.7	15.1	13.1	14.5	13.5	14.8	15.2
	3H	14.6	15.7	15.0	16.1	16.5	14.7	15.8	15.1	16.2	16.6
	4H	15.2	16.2	15.7	16.7	17.1	15.2	16.2	15.6	16.6	17.1
	6H	15.7	16.6	16.2	17.1	17.5	15.6	16.5	16.0	16.9	17.4
	8H	15.9	16.7	16.4	17.2	17.6	15.7	16.5	16.2	17.0	17.4
	12H	16.0	16.8	16.5	17.2	17.7	15.8	16.5	16.3	17.0	17.5
8H	4H	15.4	16.3	15.9	16.7	17.2	15.4	16.2	15.9	16.7	17.1
	6H	16.1	16.7	16.6	17.2	17.7	15.9	16.6	16.4	17.1	17.5
	8H	16.3	16.9	16.8	17.4	17.9	16.1	16.7	16.6	17.2	17.7
	12H	16.5	17.0	17.0	17.5	18.1	16.2	16.8	16.7	17.2	17.8
12H	4H	15.4	16.2	15.9	16.7	17.1	15.4	16.2	15.9	16.6	17.1
	6H	16.1	16.7	16.6	17.2	17.7	15.9	16.6	16.5	17.0	17.6
	8H	16.4	16.9	16.9	17.4	18.0	16.2	16.7	16.7	17.2	17.8

(END OF REPORT)