

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: P1471729

Luminaire Tested: 22PTR-45S-PB1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471729
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-45S-PB1-L835-UNV-STD-B
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PB1 Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

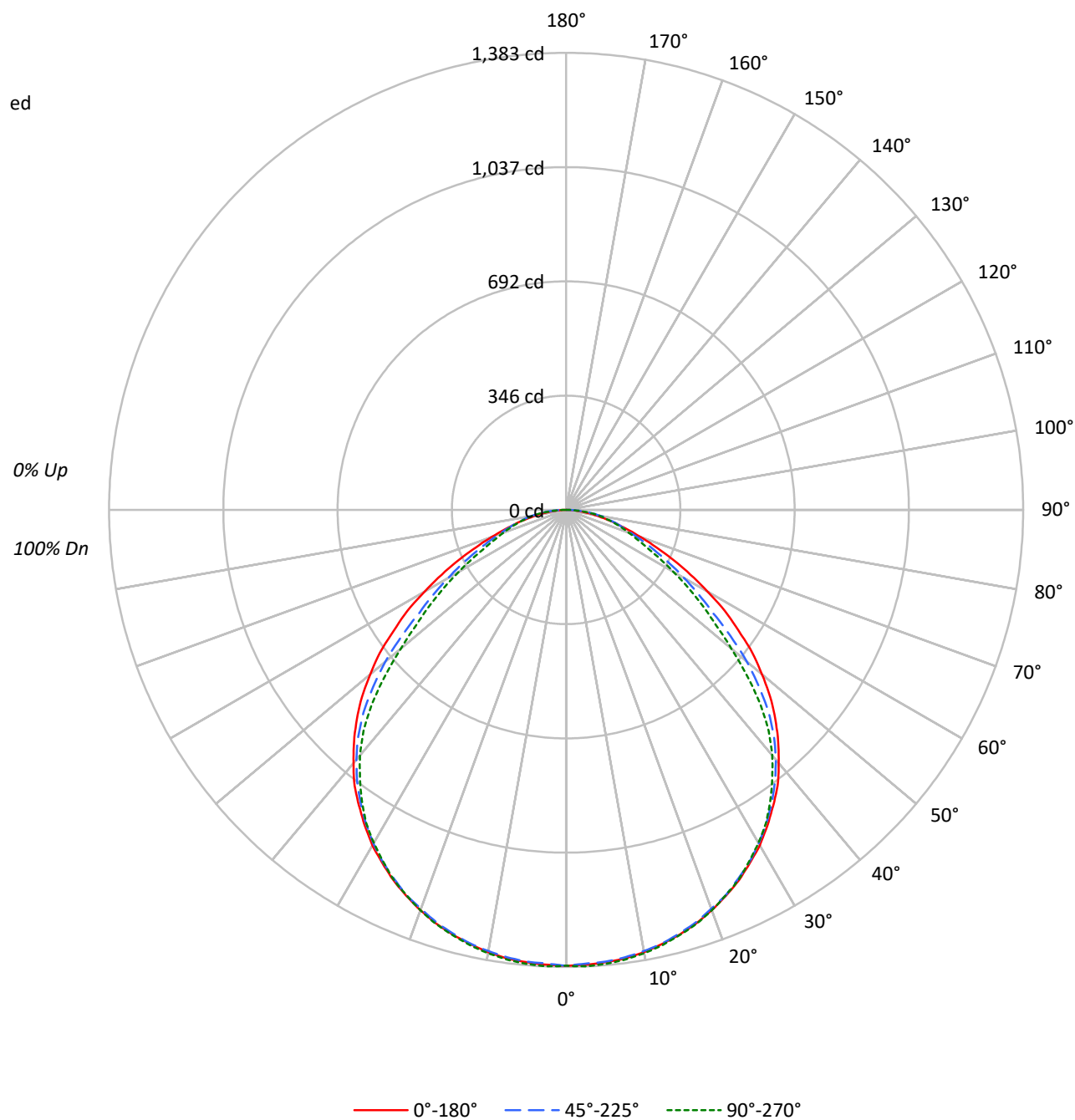
Lumens per Lamp: N/A
Luminaire Lumens: 3439.0 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 36.1
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	93	90		91	89	88
2	100	93	86	81	98	91	85	80		87	83	78		84	80	77		81	78	75
3	92	82	75	69	90	81	74	68		78	72	67		75	70	66		73	68	64
4	85	73	65	59	83	72	64	58		70	63	58		67	62	57		65	60	56
5	78	66	57	51	76	65	57	51		63	56	50		61	55	50		59	54	49
6	72	60	51	45	71	59	51	45		57	50	44		55	49	44		54	48	44
7	67	54	46	40	66	53	45	40		52	45	39		51	44	39		49	43	39
8	63	50	41	36	61	49	41	36		48	41	35		46	40	35		45	39	35
9	59	46	38	32	57	45	37	32		44	37	32		43	36	32		42	36	32
10	55	42	34	29	54	42	34	29		41	34	29		40	33	29		39	33	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3711	3711	3711
5°	3712	3707	3726
10°	3713	3704	3722
15°	3705	3696	3710
20°	3692	3678	3692
25°	3672	3657	3667
30°	3642	3622	3616
35°	3589	3561	3539
40°	3516	3469	3408
45°	3408	3299	3163
50°	3239	2990	2734
55°	2985	2539	2356
60°	2657	2219	2018
65°	2280	1924	1718
70°	1882	1696	1575
75°	1587	1622	1535
80°	1342	1657	1579
85°	1050	1677	1470

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3408 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.8	3.8
10°-20°	375.2	10.9
20°-30°	568.4	16.5
30°-40°	677.3	19.7
40°-50°	662.3	19.3
50°-60°	501.0	14.6
60°-70°	307.8	8.9
70°-80°	164.0	4.8
80°-90°	52.3	1.5
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°	1074.4	31.2
0°-40°	1751.7	50.9
0°-60°	2915.0	84.8
0°-90°	3439.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3439.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1379	1379	1379	1379	1379	
5°	1374	1376	1372	1378	1379	131
15°	1330	1332	1327	1332	1332	375
25°	1237	1235	1232	1233	1235	570
35°	1092	1091	1084	1079	1077	683
45°	896	891	867	838	831	689
55°	636	604	541	511	502	570
65°	358	329	302	278	270	356
75°	153	154	156	151	148	164
85°	34	44	54	51	48	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1379.2	1379.2	1379.2	1379.2	1379.2
2.5°	1377.6	1379.2	1374.0	1381.0	1382.6
5°	1374.0	1375.8	1372.4	1377.6	1379.2
7.5°	1369.0	1369.0	1365.6	1370.6	1372.4
10°	1358.9	1358.9	1355.5	1360.5	1362.3
12.5°	1345.3	1345.3	1343.6	1346.9	1348.7
15°	1330.0	1331.6	1326.6	1331.6	1331.6
17.5°	1311.3	1309.7	1307.9	1311.3	1313.1
20°	1289.2	1289.2	1284.2	1287.6	1289.2
22.5°	1263.8	1263.8	1262.2	1263.8	1262.2
25°	1236.7	1234.9	1231.5	1233.3	1234.9
27.5°	1204.5	1204.5	1201.1	1201.1	1199.3
30°	1172.2	1170.4	1165.5	1162.1	1163.7
32.5°	1133.2	1131.4	1126.5	1123.1	1124.7
35°	1092.4	1090.8	1084.1	1078.9	1077.3
37.5°	1051.8	1046.7	1038.1	1031.4	1024.6
40°	1000.9	995.7	987.4	972.0	970.3
42.5°	950.0	945.0	931.3	912.7	907.6
45°	895.6	890.7	866.8	837.9	831.2
47.5°	837.9	829.6	792.2	756.6	743.0
50°	773.6	758.3	714.2	668.4	653.1
52.5°	710.8	683.7	626.0	585.2	570.1
55°	636.2	603.9	541.2	510.6	502.1
57.5°	570.1	525.9	475.0	444.5	437.8
60°	493.7	452.9	412.3	385.0	374.9
62.5°	424.0	388.4	354.6	330.7	319.0
65°	358.0	329.1	302.1	278.2	269.8
67.5°	293.5	278.2	256.1	237.6	232.4
70°	239.2	230.6	215.5	206.9	200.2
72.5°	190.0	193.4	183.3	179.9	174.7
75°	152.6	154.4	156.0	151.0	147.6
77.5°	115.4	123.8	130.5	127.2	123.8
80°	86.6	94.9	106.9	101.9	101.9
82.5°	59.3	69.6	79.8	76.4	74.6
85°	34.0	44.2	54.3	50.9	47.6
87.5°	13.5	22.1	23.7	23.7	22.1
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	15.4	17.0	15.8	17.3	17.6	14.2	15.7	14.5	16.0	16.3
	3H	16.7	18.1	17.1	18.4	18.8	15.4	16.8	15.8	17.1	17.5
	4H	17.1	18.4	17.5	18.8	19.1	16.0	17.3	16.4	17.6	18.0
	6H	17.4	18.6	17.8	19.0	19.4	16.5	17.7	16.9	18.0	18.4
	8H	17.5	18.6	17.9	19.0	19.4	16.7	17.8	17.1	18.2	18.6
	12H	17.5	18.6	18.0	19.0	19.4	16.8	17.9	17.2	18.3	18.7
4H	2H	15.8	17.1	16.2	17.4	17.8	14.7	16.0	15.1	16.3	16.7
	3H	17.2	18.3	17.6	18.7	19.1	16.2	17.3	16.6	17.7	18.1
	4H	17.8	18.7	18.2	19.2	19.6	16.9	17.8	17.3	18.3	18.7
	6H	18.2	19.0	18.6	19.5	19.9	17.5	18.4	18.0	18.8	19.3
	8H	18.3	19.1	18.8	19.6	20.0	17.8	18.6	18.2	19.0	19.5
	12H	18.4	19.1	18.9	19.6	20.1	18.0	18.7	18.4	19.2	19.6
8H	4H	18.0	18.8	18.4	19.2	19.7	17.2	18.0	17.6	18.4	18.9
	6H	18.5	19.2	19.0	19.7	20.2	18.0	18.6	18.5	19.1	19.6
	8H	18.7	19.3	19.2	19.8	20.3	18.3	18.9	18.8	19.4	19.9
	12H	18.9	19.4	19.4	19.9	20.5	18.6	19.1	19.1	19.6	20.2
12H	4H	18.0	18.7	18.5	19.2	19.7	17.2	17.9	17.7	18.4	18.9
	6H	18.6	19.2	19.1	19.7	20.2	18.0	18.6	18.6	19.1	19.6
	8H	18.9	19.4	19.4	19.9	20.4	18.4	19.0	19.0	19.5	20.0

(END OF REPORT)