

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: P1471736

Luminaire Tested: 22PTR-45S-PLG-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471736
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-45S-PLG-L835-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PLG Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

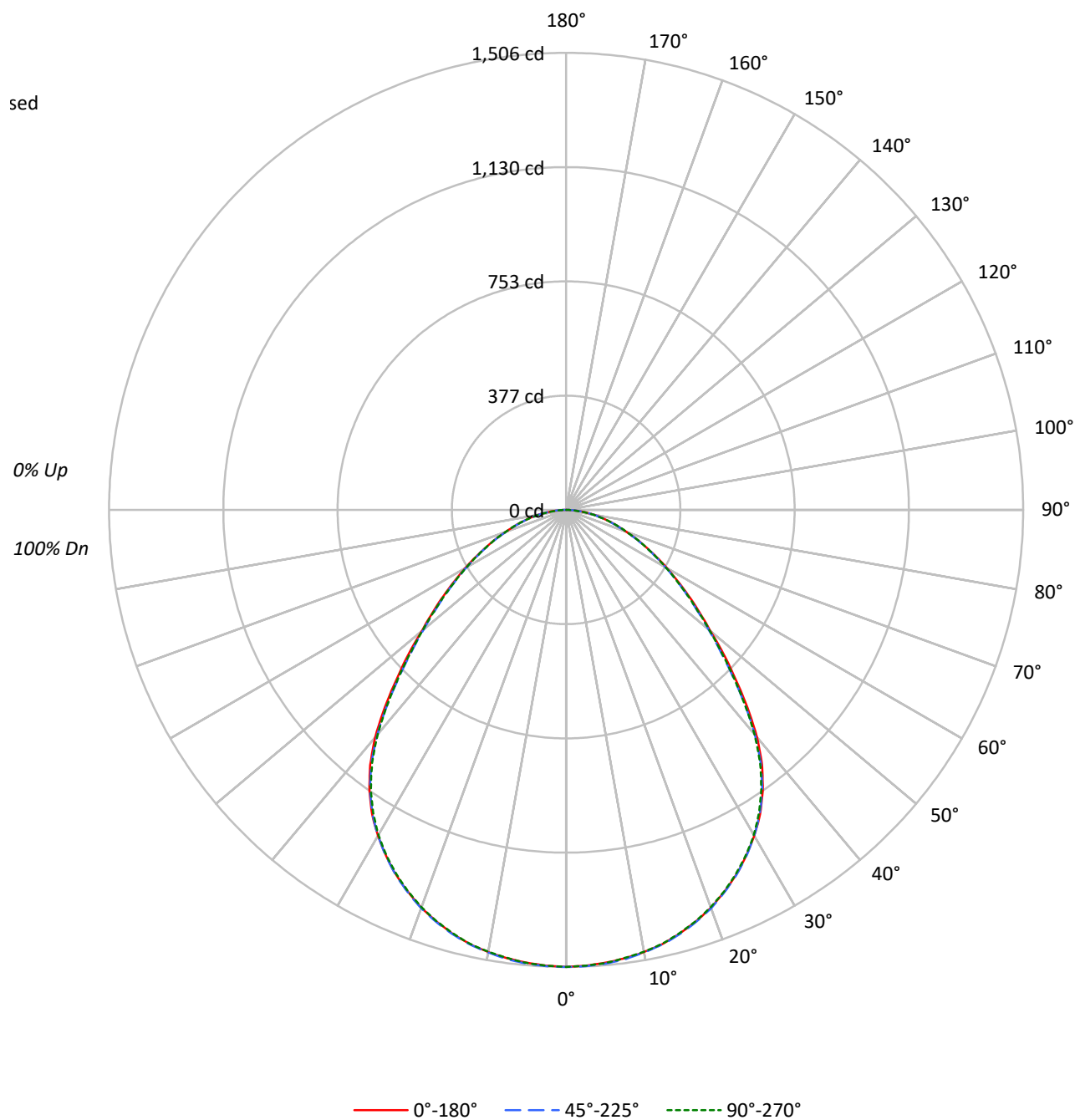
Lumens per Lamp: N/A
Luminaire Lumens: 3393.8 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	106	102	98	107	103	100	97		99	96	94		95	93	91		92	90	88
2	101	94	87	82	99	92	86	81		88	84	79		85	81	78		82	79	76
3	93	83	76	70	91	82	75	69		79	73	68		76	71	67		74	69	66
4	86	75	67	60	84	73	66	60		71	64	59		69	63	58		67	62	58
5	79	67	59	53	77	66	58	53		64	57	52		62	56	51		61	55	51
6	74	61	53	47	72	60	52	47		58	51	46		57	51	46		55	50	45
7	69	56	48	42	67	55	47	42		54	46	41		52	46	41		51	45	41
8	64	51	43	38	62	51	43	38		49	42	37		48	42	37		47	41	37
9	60	47	39	34	59	47	39	34		46	39	34		44	38	34		43	38	34
10	56	44	36	31	55	43	36	31		42	36	31		41	35	31		40	35	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4053	4053	4053
5°	4045	4054	4048
10°	4042	4045	4039
15°	4026	4032	4023
20°	3995	4001	3989
25°	3939	3942	3929
30°	3853	3853	3843
35°	3712	3701	3684
40°	3439	3402	3391
45°	3006	2957	2970
50°	2596	2564	2578
55°	2307	2272	2277
60°	2065	2037	2037
65°	1852	1838	1845
70°	1665	1648	1665
75°	1545	1522	1545
80°	1441	1424	1375
85°	1223	1223	1090

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3006 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.6	4.2
10°-20°	408.0	12.0
20°-30°	610.5	18.0
30°-40°	699.5	20.6
40°-50°	605.0	17.8
50°-60°	437.8	12.9
60°-70°	288.4	8.5
70°-80°	157.0	4.6
80°-90°	45.0	1.3
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°	1161.1	34.2
0°-40°	1860.6	54.8
0°-60°	2903.4	85.6
0°-90°	3393.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3393.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1506	1506	1506	1506	1506	
5°	1498	1501	1501	1501	1499	142
15°	1445	1446	1447	1450	1444	408
25°	1327	1327	1328	1329	1323	610
35°	1130	1129	1127	1126	1121	702
45°	790	788	777	776	780	612
55°	492	490	484	481	485	443
65°	291	293	289	286	290	290
75°	149	149	146	146	149	158
85°	40	40	40	41	35	46
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1506.1	1506.1	1506.1	1506.1	1506.1
2.5°	1502.9	1506.1	1505.1	1506.1	1502.9
5°	1497.6	1500.8	1500.8	1500.8	1498.7
7.5°	1490.1	1492.2	1493.3	1494.4	1489.0
10°	1479.4	1481.5	1480.5	1482.6	1478.3
12.5°	1465.5	1465.5	1466.6	1468.7	1464.4
15°	1445.2	1446.3	1447.3	1449.5	1444.1
17.5°	1421.7	1422.8	1423.8	1424.9	1420.6
20°	1395.0	1395.0	1397.1	1398.2	1392.8
22.5°	1361.8	1361.8	1364.0	1367.2	1360.8
25°	1326.6	1326.6	1327.6	1328.7	1323.3
27.5°	1284.9	1284.9	1285.9	1289.1	1282.7
30°	1240.0	1238.9	1240.0	1241.0	1236.8
32.5°	1189.7	1188.7	1187.6	1188.7	1183.3
35°	1129.9	1128.8	1126.7	1125.6	1121.3
37.5°	1060.4	1058.2	1054.0	1054.0	1049.7
40°	979.1	973.8	968.5	966.3	965.3
42.5°	885.1	880.8	873.3	872.3	872.3
45°	789.9	787.8	777.1	776.0	780.3
47.5°	704.4	699.1	689.5	687.3	693.7
50°	620.0	621.1	612.5	609.3	615.7
52.5°	553.7	551.6	544.1	542.0	547.3
55°	491.7	489.6	484.2	481.0	485.3
57.5°	435.1	434.0	428.6	427.6	429.7
60°	383.7	382.7	378.4	377.3	378.4
62.5°	335.6	335.6	331.4	329.2	332.4
65°	290.8	292.9	288.6	286.5	289.7
67.5°	250.1	252.3	248.0	245.9	250.1
70°	211.6	213.8	209.5	207.4	211.6
72.5°	178.5	179.6	176.4	175.3	180.7
75°	148.6	148.6	146.4	146.4	148.6
77.5°	120.8	119.7	118.7	118.7	116.5
80°	93.0	91.9	91.9	91.9	88.7
82.5°	66.3	64.1	65.2	66.3	60.9
85°	39.6	39.6	39.6	40.6	35.3
87.5°	16.0	16.0	15.0	16.0	13.9
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	14.1	15.6	14.5	16.0	16.3	14.0	15.5	14.4	15.9	16.2
	3H	15.6	16.9	15.9	17.2	17.6	15.5	16.8	15.8	17.1	17.5
	4H	16.1	17.4	16.5	17.7	18.1	16.0	17.3	16.4	17.6	18.0
	6H	16.5	17.7	17.0	18.1	18.5	16.4	17.6	16.9	18.0	18.4
	8H	16.7	17.8	17.1	18.2	18.6	16.6	17.7	17.0	18.1	18.5
	12H	16.8	17.8	17.2	18.2	18.7	16.6	17.7	17.1	18.1	18.5
4H	2H	14.6	15.9	15.0	16.2	16.6	14.5	15.8	14.9	16.1	16.5
	3H	16.3	17.3	16.7	17.7	18.1	16.2	17.2	16.6	17.6	18.0
	4H	16.9	17.9	17.4	18.3	18.7	16.9	17.8	17.3	18.2	18.7
	6H	17.5	18.3	18.0	18.8	19.2	17.4	18.2	17.9	18.7	19.1
	8H	17.7	18.5	18.2	18.9	19.4	17.6	18.4	18.1	18.8	19.3
	12H	17.8	18.5	18.3	19.0	19.5	17.7	18.4	18.2	18.9	19.4
8H	4H	17.2	18.0	17.7	18.4	18.9	17.1	17.9	17.6	18.3	18.8
	6H	17.9	18.5	18.4	19.0	19.5	17.8	18.4	18.3	18.9	19.4
	8H	18.1	18.7	18.7	19.2	19.7	18.1	18.6	18.6	19.1	19.6
	12H	18.3	18.9	18.9	19.3	19.9	18.3	18.8	18.8	19.3	19.8
12H	4H	17.2	17.9	17.7	18.4	18.9	17.1	17.8	17.6	18.3	18.8
	6H	17.9	18.5	18.5	19.0	19.5	17.9	18.4	18.4	18.9	19.4
	8H	18.2	18.7	18.8	19.2	19.8	18.2	18.7	18.7	19.2	19.7

(END OF REPORT)