

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: P1471732

Luminaire Tested: 22PTR-45S-PC3-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471732
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-45S-PC3-L835-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PC3 Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

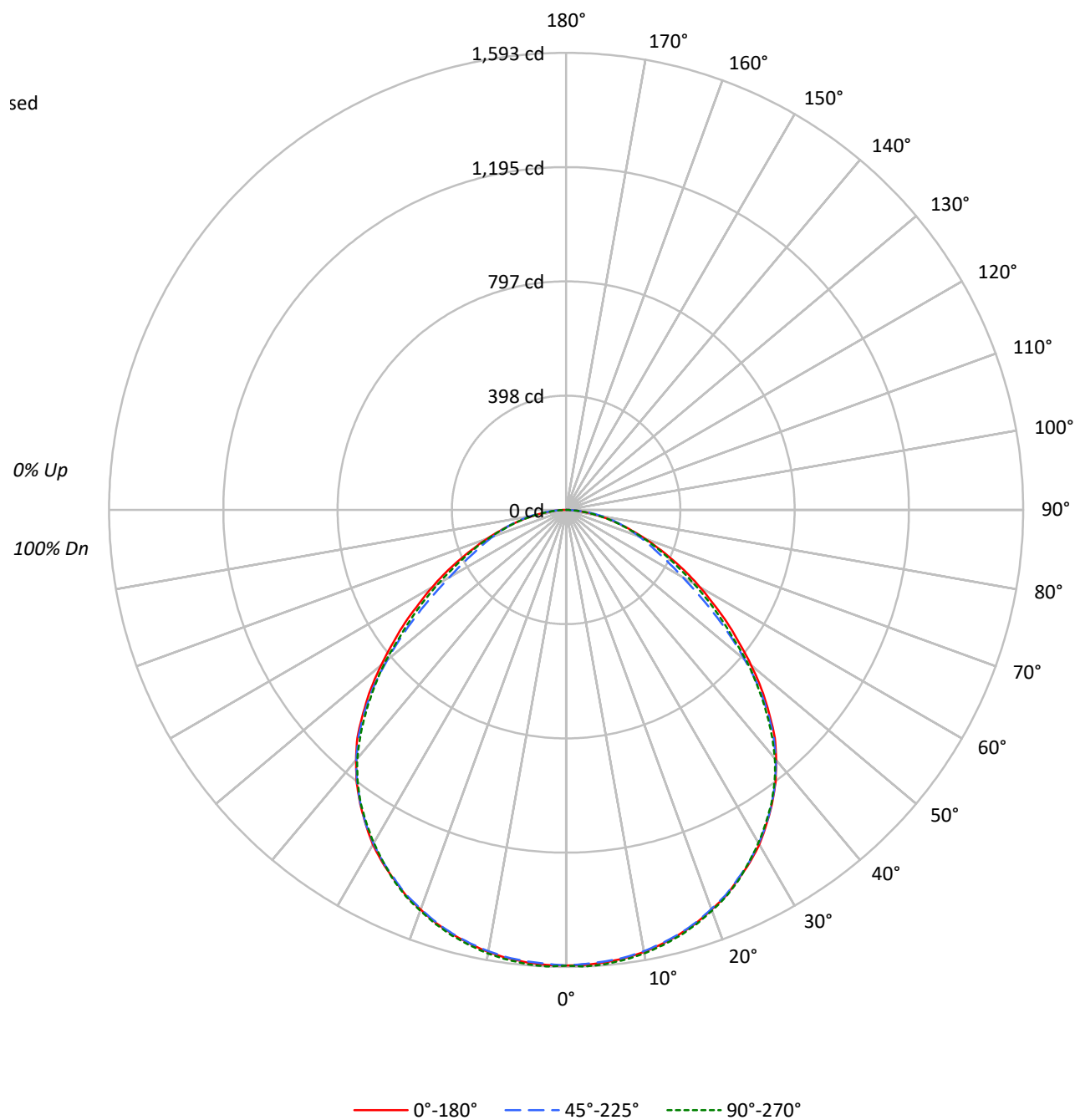
Lumens per Lamp: N/A
Luminaire Lumens: 4004.2 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	110	105	101	98	107	103	99	96		99	96	93			95	92	90			91
2	100	93	86	81	98	91	85	80		87	82	78			84	80	76			81
3	92	82	74	68	90	80	73	68		77	71	66			75	70	65			72
4	85	73	65	58	82	72	64	58		69	63	57			67	61	56			65
5	78	66	57	51	76	65	56	50		62	55	50			61	54	49			59
6	72	59	51	45	70	58	50	44		57	49	44			55	49	44			53
7	67	54	46	40	65	53	45	39		52	44	39			50	44	39			49
8	62	49	41	35	61	49	41	35		47	40	35			46	40	35			45
9	58	45	37	32	57	45	37	32		44	37	32			43	36	32			42
10	55	42	34	29	54	41	34	29		40	34	29			40	33	29			39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4274	4274	4274
5°	4275	4267	4292
10°	4275	4267	4290
15°	4265	4260	4279
20°	4246	4239	4257
25°	4217	4210	4227
30°	4185	4171	4164
35°	4110	4106	4098
40°	4001	3995	3977
45°	3805	3777	3738
50°	3522	3404	3442
55°	3214	2953	3086
60°	2898	2519	2764
65°	2590	2254	2485
70°	2298	2132	2234
75°	2033	2067	1991
80°	1753	1973	1743
85°	1312	1562	1312

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3814 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.6	3.8
10°-20°	432.4	10.8
20°-30°	654.7	16.3
30°-40°	780.5	19.5
40°-50°	762.6	19.0
50°-60°	583.1	14.6
60°-70°	374.4	9.4
70°-80°	208.3	5.2
80°-90°	57.5	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°	1237.7	30.9
0°-40°	2018.2	50.4
0°-60°	3364.0	84.0
0°-90°	4004.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4004.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1588	1588	1588	1588	1588	
5°	1583	1584	1580	1587	1589	151
15°	1531	1532	1529	1534	1536	432
25°	1420	1422	1418	1422	1424	655
35°	1251	1252	1250	1249	1248	782
45°	1000	1002	992	990	982	769
55°	685	661	630	637	658	612
65°	407	375	354	366	390	406
75°	196	197	199	196	192	209
85°	42	50	51	49	42	52
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1588.2	1588.2	1588.2	1588.2	1588.2
2.5°	1587.2	1587.8	1583.7	1590.5	1592.8
5°	1582.7	1583.7	1579.8	1587.2	1588.9
7.5°	1575.9	1576.9	1573.0	1580.4	1581.0
10°	1564.5	1565.1	1561.6	1569.1	1570.1
12.5°	1549.2	1550.9	1547.0	1553.8	1554.2
15°	1530.9	1532.1	1529.2	1534.4	1536.0
17.5°	1509.4	1510.0	1507.1	1512.7	1513.3
20°	1482.6	1482.6	1480.3	1486.7	1486.7
22.5°	1455.3	1453.7	1453.1	1455.3	1458.8
25°	1420.2	1421.9	1418.0	1422.5	1423.5
27.5°	1386.2	1386.2	1382.7	1384.9	1382.1
30°	1347.0	1344.7	1342.4	1342.8	1340.2
32.5°	1299.7	1299.7	1298.7	1298.7	1295.2
35°	1251.0	1252.0	1249.8	1249.1	1247.5
37.5°	1198.6	1200.4	1196.3	1195.3	1194.0
40°	1138.9	1138.9	1137.3	1135.0	1132.1
42.5°	1077.0	1077.0	1069.8	1064.0	1060.1
45°	999.8	1002.1	992.4	990.1	982.3
47.5°	923.0	921.4	908.4	906.7	902.2
50°	841.3	831.6	813.0	818.0	822.1
52.5°	759.6	747.6	720.3	725.9	732.7
55°	685.0	661.3	629.5	637.4	657.8
57.5°	607.2	575.4	543.7	558.5	583.9
60°	538.5	502.8	468.1	484.0	513.5
62.5°	472.7	434.7	406.8	422.1	447.1
65°	406.8	375.4	354.0	365.7	390.3
67.5°	346.5	325.5	310.8	316.4	336.2
70°	292.1	278.8	271.0	272.7	284.0
72.5°	240.2	236.9	234.1	234.1	235.1
75°	195.5	197.1	198.8	196.1	191.5
77.5°	154.0	159.5	163.7	157.9	152.3
80°	113.1	122.2	127.3	121.0	112.5
82.5°	77.2	87.5	89.2	85.2	75.5
85°	42.5	49.9	50.6	48.9	42.5
87.5°	15.9	18.8	20.4	18.8	16.5
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	15.5	17.1	15.9	17.4	17.7	15.3	16.8	15.6	17.2	17.5
	3H	17.0	18.4	17.3	18.7	19.0	16.7	18.1	17.1	18.5	18.8
	4H	17.5	18.8	17.9	19.2	19.5	17.3	18.6	17.7	19.0	19.3
	6H	17.9	19.1	18.3	19.5	19.9	17.7	18.9	18.1	19.3	19.7
	8H	18.0	19.2	18.4	19.6	20.0	17.8	19.0	18.2	19.4	19.8
	12H	18.1	19.2	18.5	19.6	20.0	17.9	19.0	18.3	19.4	19.8
4H	2H	15.9	17.2	16.3	17.6	17.9	15.7	17.0	16.1	17.4	17.8
	3H	17.6	18.7	18.0	19.1	19.5	17.4	18.5	17.8	18.9	19.3
	4H	18.3	19.3	18.7	19.7	20.1	18.1	19.1	18.5	19.5	20.0
	6H	18.8	19.7	19.3	20.1	20.6	18.7	19.5	19.1	20.0	20.4
	8H	19.0	19.8	19.4	20.2	20.7	18.8	19.6	19.3	20.1	20.6
	12H	19.1	19.8	19.6	20.3	20.8	18.9	19.7	19.4	20.1	20.6
8H	4H	18.5	19.3	19.0	19.8	20.3	18.4	19.2	18.9	19.6	20.1
	6H	19.2	19.9	19.7	20.4	20.8	19.1	19.8	19.6	20.2	20.7
	8H	19.5	20.1	20.0	20.6	21.0	19.3	19.9	19.8	20.4	20.9
	12H	19.6	20.2	20.1	20.6	21.2	19.5	20.0	20.0	20.5	21.1
12H	4H	18.6	19.3	19.0	19.8	20.2	18.4	19.1	18.9	19.6	20.1
	6H	19.3	19.9	19.8	20.3	20.9	19.2	19.8	19.7	20.2	20.8
	8H	19.6	20.1	20.1	20.6	21.2	19.4	20.0	20.0	20.5	21.0

(END OF REPORT)