

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: P1471738

Luminaire Tested: 22PTR-45S-PP3-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471738
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-45S-PP3-L835-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PP3 Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

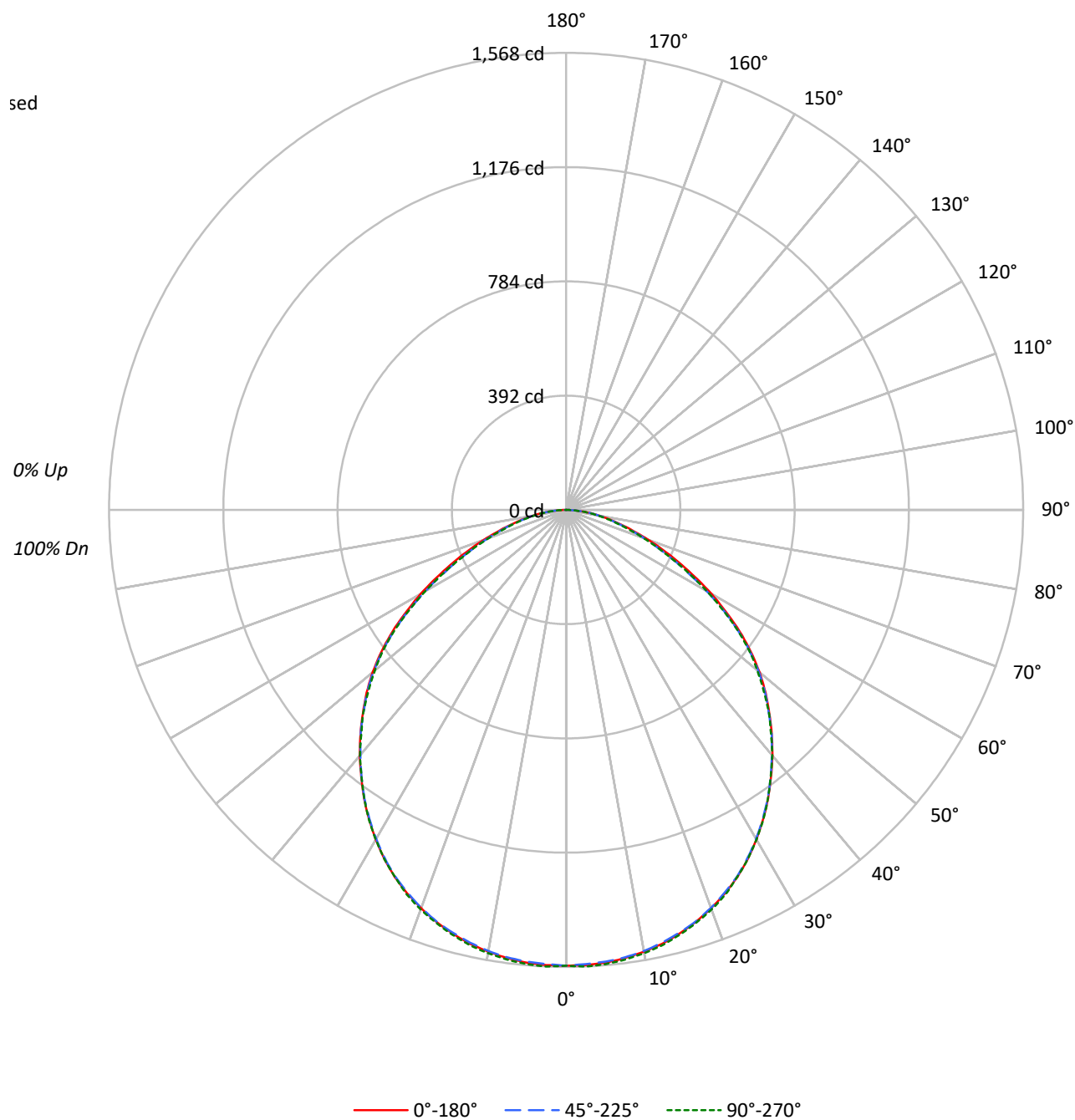
Lumens per Lamp: N/A
Luminaire Lumens: 4040.0 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	74	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	63	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	55	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	48	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	42	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	38	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	34	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	31	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4208	4208	4208
5°	4212	4202	4225
10°	4206	4199	4220
15°	4192	4184	4203
20°	4164	4161	4178
25°	4127	4120	4125
30°	4057	4049	4057
35°	3969	3964	3967
40°	3868	3856	3866
45°	3752	3741	3745
50°	3626	3609	3583
55°	3414	3374	3363
60°	3098	2993	2999
65°	2721	2585	2580
70°	2353	2245	2220
75°	2035	1960	1917
80°	1802	1777	1697
85°	1491	1541	1451

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3765 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.3	3.7
10°-20°	424.8	10.5
20°-30°	639.6	15.8
30°-40°	754.9	18.7
40°-50°	759.2	18.8
50°-60°	640.9	15.9
60°-70°	411.6	10.2
70°-80°	204.7	5.1
80°-90°	56.1	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°	1212.7	30.0
0°-40°	1967.5	48.7
0°-60°	3367.6	83.4
0°-90°	4040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4040.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1564	1564	1564	1564	1564	
5°	1559	1560	1556	1563	1564	148
15°	1505	1505	1502	1509	1509	424
25°	1390	1390	1388	1390	1389	640
35°	1208	1209	1207	1208	1208	755
45°	986	989	983	984	984	761
55°	728	727	719	716	717	647
65°	427	421	406	402	405	426
75°	196	195	188	187	184	212
85°	48	50	50	47	47	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1563.6	1563.6	1563.6	1563.6	1563.6
2.5°	1563.0	1563.6	1559.5	1566.9	1568.2
5°	1559.1	1559.5	1555.6	1563.0	1564.0
7.5°	1551.0	1551.7	1548.2	1555.0	1556.2
10°	1539.1	1540.9	1536.8	1543.2	1544.2
12.5°	1524.4	1525.1	1520.9	1528.4	1529.6
15°	1504.6	1505.1	1501.8	1508.6	1508.6
17.5°	1481.8	1482.4	1480.1	1485.9	1485.3
20°	1454.1	1455.8	1452.9	1456.8	1459.1
22.5°	1424.0	1424.6	1421.1	1426.3	1428.5
25°	1390.0	1390.4	1387.7	1390.4	1389.4
27.5°	1350.2	1351.2	1347.3	1350.2	1350.8
30°	1305.8	1308.7	1303.2	1305.4	1305.8
32.5°	1258.2	1259.9	1255.9	1256.6	1259.4
35°	1208.3	1208.9	1206.6	1207.7	1207.7
37.5°	1154.5	1156.7	1153.2	1154.9	1152.6
40°	1101.1	1098.8	1097.6	1098.8	1100.4
42.5°	1044.8	1045.4	1043.7	1042.5	1039.8
45°	985.8	989.3	982.9	984.1	984.1
47.5°	928.0	928.4	925.1	921.6	919.4
50°	866.2	866.2	862.0	859.4	855.9
52.5°	798.5	797.5	793.0	790.1	791.7
55°	727.6	727.0	719.1	716.2	716.9
57.5°	649.8	651.1	639.1	636.2	636.2
60°	575.6	569.8	556.2	552.3	557.2
62.5°	497.6	490.8	476.2	476.2	480.1
65°	427.3	421.1	405.9	401.7	405.2
67.5°	361.5	355.7	341.7	339.5	340.5
70°	299.0	294.1	285.4	280.3	282.1
72.5°	245.2	240.7	234.9	231.0	228.7
75°	195.7	194.7	188.5	186.6	184.4
77.5°	154.9	154.5	149.3	147.0	144.8
80°	116.3	115.7	114.7	111.2	109.5
82.5°	82.9	82.9	82.3	79.4	77.7
85°	48.3	49.9	49.9	47.0	47.0
87.5°	19.4	20.4	19.4	19.4	18.8
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	16.2	17.8	16.6	18.1	18.4	16.1	17.7	16.4	18.0	18.3
	3H	17.5	19.0	17.9	19.3	19.7	17.3	18.7	17.7	19.1	19.4
	4H	18.0	19.3	18.4	19.7	20.1	17.7	19.1	18.1	19.4	19.8
	6H	18.3	19.6	18.7	19.9	20.3	18.0	19.3	18.5	19.7	20.0
	8H	18.4	19.6	18.9	20.0	20.4	18.2	19.3	18.6	19.7	20.1
	12H	18.5	19.6	18.9	20.0	20.4	18.2	19.3	18.6	19.7	20.2
4H	2H	16.7	18.0	17.1	18.3	18.7	16.5	17.9	16.9	18.2	18.6
	3H	18.2	19.3	18.6	19.7	20.1	18.0	19.1	18.4	19.5	19.9
	4H	18.7	19.7	19.2	20.2	20.6	18.5	19.5	18.9	19.9	20.4
	6H	19.2	20.1	19.6	20.5	21.0	18.9	19.8	19.4	20.3	20.7
	8H	19.3	20.2	19.8	20.6	21.1	19.1	19.9	19.5	20.3	20.8
	12H	19.5	20.2	19.9	20.7	21.1	19.2	19.9	19.7	20.4	20.9
8H	4H	18.9	19.7	19.4	20.2	20.7	18.7	19.5	19.2	20.0	20.5
	6H	19.5	20.2	20.0	20.7	21.1	19.3	19.9	19.8	20.4	20.9
	8H	19.7	20.3	20.2	20.8	21.3	19.5	20.1	20.0	20.6	21.1
	12H	19.9	20.4	20.4	20.9	21.5	19.6	20.2	20.1	20.7	21.2
12H	4H	18.9	19.7	19.4	20.2	20.6	18.7	19.5	19.2	20.0	20.4
	6H	19.5	20.1	20.1	20.6	21.1	19.3	19.9	19.8	20.4	20.9
	8H	19.8	20.3	20.3	20.8	21.4	19.6	20.1	20.1	20.6	21.2

(END OF REPORT)