

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: P1471742

Luminaire Tested: 22PTR-45S-PW1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471742
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-45S-PW1-L835-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PW1 Lens White Rece:
Frame
Light Source: -
Ballast/Driver: -

Summary

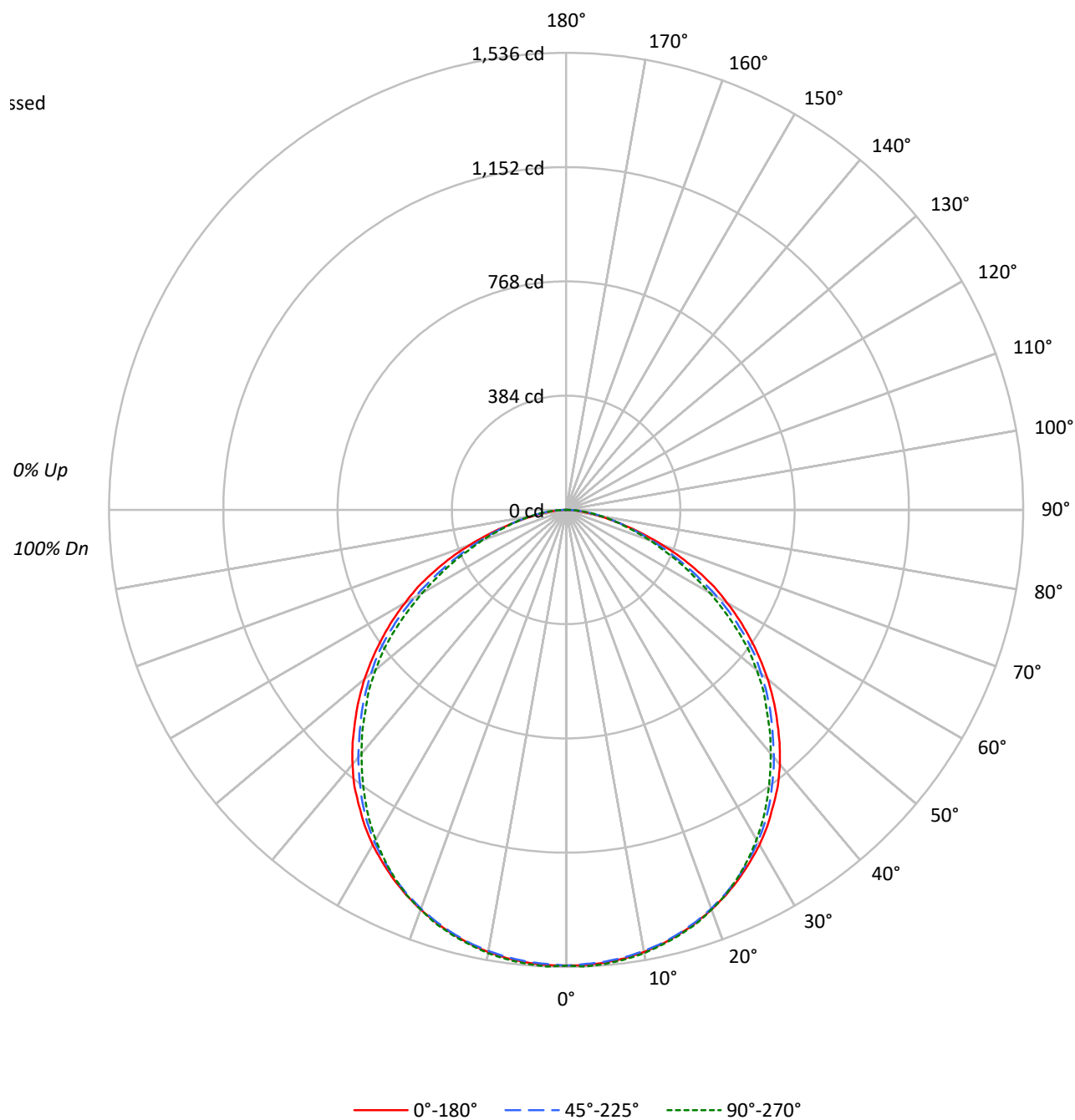
Lumens per Lamp: N/A
Luminaire Lumens: 4063.9 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4121	4121	4121
5°	4124	4115	4137
10°	4123	4113	4134
15°	4110	4104	4119
20°	4093	4084	4093
25°	4070	4054	4050
30°	4039	4004	3976
35°	3985	3925	3875
40°	3924	3817	3757
45°	3816	3703	3628
50°	3700	3580	3497
55°	3546	3426	3290
60°	3363	3164	2998
65°	3110	2825	2685
70°	2696	2460	2367
75°	2152	2105	2047
80°	1636	1827	1827
85°	1210	1559	1559

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3816 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.2	3.6
10°-20°	416.6	10.2
20°-30°	629.5	15.5
30°-40°	747.5	18.4
40°-50°	753.1	18.5
50°-60°	651.0	16.0
60°-70°	444.9	10.9
70°-80°	219.4	5.4
80°-90°	56.7	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°	1191.3	29.3
0°-40°	1938.8	47.7
0°-60°	3342.9	82.3
0°-90°	4063.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4063.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1531	1531	1531	1531	1531	
5°	1527	1527	1524	1530	1531	145
15°	1475	1477	1473	1478	1479	416
25°	1371	1370	1365	1366	1364	632
35°	1213	1209	1195	1184	1180	759
45°	1003	992	973	962	953	774
55°	756	754	730	709	701	676
65°	488	471	444	424	422	482
75°	207	205	202	202	197	226
85°	39	46	50	52	50	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1531.4	1531.4	1531.4	1531.4	1531.4
2.5°	1530.9	1531.4	1527.4	1534.2	1535.9
5°	1526.8	1527.4	1523.5	1529.7	1531.4
7.5°	1519.6	1520.6	1516.1	1522.3	1523.5
10°	1508.7	1509.3	1505.4	1511.6	1512.8
12.5°	1494.0	1494.5	1491.2	1496.7	1496.7
15°	1475.3	1476.9	1473.0	1478.2	1478.6
17.5°	1454.2	1454.9	1450.9	1456.5	1457.8
20°	1429.3	1429.3	1426.0	1430.5	1429.3
22.5°	1401.5	1401.5	1397.5	1399.8	1400.8
25°	1370.9	1369.7	1365.2	1366.4	1364.1
27.5°	1335.7	1335.7	1327.6	1327.6	1323.7
30°	1300.0	1297.1	1288.7	1283.5	1279.6
32.5°	1259.0	1255.1	1244.3	1235.3	1232.4
35°	1213.2	1209.1	1194.9	1184.1	1179.6
37.5°	1168.9	1159.8	1141.0	1130.3	1125.2
40°	1117.1	1105.8	1086.6	1071.8	1069.5
42.5°	1061.7	1052.6	1027.6	1016.7	1014.0
45°	1002.7	991.8	973.0	961.7	953.2
47.5°	944.8	936.7	915.3	901.7	898.8
50°	883.9	877.1	855.1	840.4	835.3
52.5°	821.0	816.5	797.7	779.0	772.8
55°	755.9	753.6	730.3	708.7	701.2
57.5°	691.8	688.9	659.8	634.9	628.0
60°	624.8	616.3	587.8	564.5	557.1
62.5°	561.2	543.1	512.4	494.2	485.8
65°	488.5	470.9	443.7	424.3	421.7
67.5°	417.1	396.1	375.1	363.1	354.0
70°	342.7	328.5	312.6	302.5	300.8
72.5°	273.4	263.3	255.3	249.1	243.9
75°	207.0	205.4	202.5	202.5	196.9
77.5°	152.2	156.1	158.4	157.7	159.0
80°	105.6	113.4	117.9	118.6	117.9
82.5°	67.0	76.1	83.5	84.5	85.8
85°	39.2	46.0	50.5	51.5	50.5
87.5°	17.5	22.1	23.3	24.3	23.3
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	16.6	18.2	17.0	18.5	18.8	16.0	17.6	16.4	17.9	18.2
	3H	18.1	19.5	18.4	19.8	20.2	17.4	18.8	17.8	19.2	19.5
	4H	18.5	19.9	18.9	20.2	20.6	17.9	19.2	18.3	19.6	20.0
	6H	18.8	20.0	19.2	20.4	20.8	18.2	19.5	18.6	19.9	20.2
	8H	18.8	20.0	19.3	20.4	20.8	18.4	19.5	18.8	19.9	20.3
	12H	18.9	20.0	19.3	20.4	20.8	18.4	19.6	18.9	20.0	20.4
4H	2H	17.1	18.4	17.5	18.8	19.1	16.6	17.9	17.0	18.3	18.7
	3H	18.7	19.8	19.1	20.2	20.6	18.2	19.3	18.6	19.7	20.1
	4H	19.3	20.3	19.7	20.7	21.1	18.8	19.8	19.2	20.2	20.6
	6H	19.6	20.5	20.1	21.0	21.4	19.2	20.1	19.7	20.5	21.0
	8H	19.7	20.5	20.2	21.0	21.5	19.4	20.2	19.8	20.7	21.1
	12H	19.8	20.5	20.3	21.0	21.5	19.5	20.2	20.0	20.7	21.2
8H	4H	19.5	20.3	19.9	20.7	21.2	19.0	19.8	19.5	20.3	20.7
	6H	19.9	20.6	20.4	21.1	21.6	19.6	20.2	20.1	20.7	21.2
	8H	20.1	20.7	20.6	21.2	21.7	19.8	20.4	20.3	20.9	21.4
	12H	20.2	20.7	20.7	21.2	21.8	20.0	20.5	20.5	21.0	21.6
12H	4H	19.5	20.2	19.9	20.7	21.2	19.0	19.7	19.5	20.2	20.7
	6H	19.9	20.6	20.5	21.0	21.6	19.6	20.2	20.1	20.7	21.2
	8H	20.1	20.7	20.6	21.2	21.7	19.9	20.4	20.4	20.9	21.5

(END OF REPORT)