

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: P1050832

Luminaire Tested: 24PTR-45-PLG-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050832
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-45-PLG-L935-UNV-STD-W
Description: 4500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

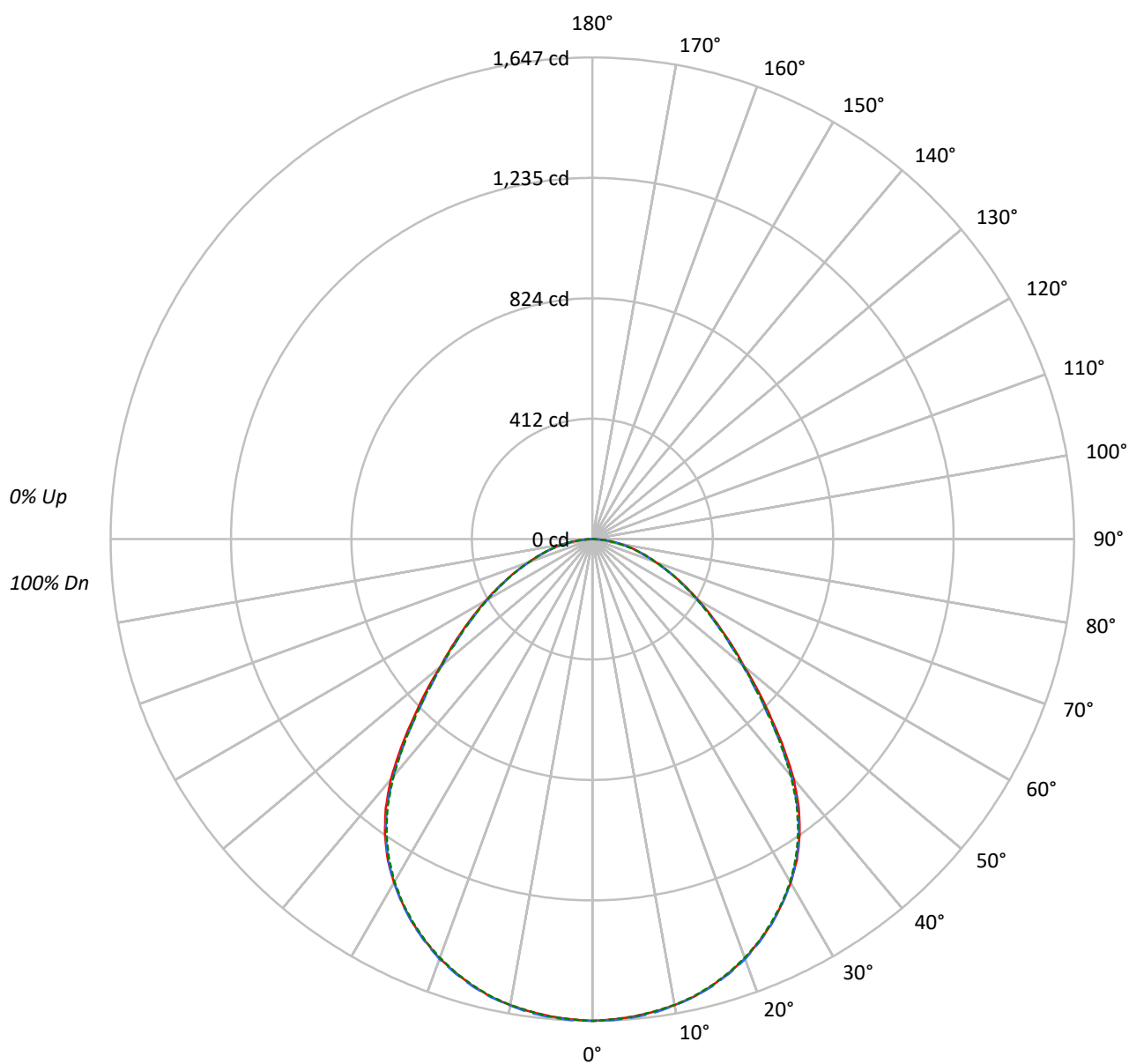
Lumens per Lamp: N/A
Luminaire Lumens: 3711.8 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 37
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
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					10
RW	70	50	30	10	70	50	30	10	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	100		
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2216	2216	2216
5°	2212	2217	2214
10°	2211	2212	2209
15°	2202	2205	2200
20°	2185	2188	2181
25°	2154	2156	2149
30°	2107	2107	2102
35°	2030	2024	2014
40°	1881	1860	1854
45°	1644	1617	1624
50°	1419	1402	1410
55°	1262	1242	1245
60°	1129	1114	1114
65°	1012	1005	1009
70°	911	901	911
75°	845	833	845
80°	788	779	752
85°	668	668	596

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1644 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.0	4.2
10°-20°	446.3	12.0
20°-30°	667.7	18.0
30°-40°	765.0	20.6
40°-50°	661.6	17.8
50°-60°	478.9	12.9
60°-70°	315.4	8.5
70°-80°	171.7	4.6
80°-90°	49.2	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°	1269.9	34.2
0°-40°	2035.0	54.8
0°-60°	3175.5	85.6
0°-90°	3711.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3711.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1647	1647	1647	1647	1647	
5°	1638	1641	1641	1641	1639	156
15°	1581	1582	1583	1585	1580	446
25°	1451	1451	1452	1453	1447	667
35°	1236	1235	1232	1231	1226	768
45°	864	862	850	849	853	669
55°	538	536	530	526	531	484
65°	318	320	316	313	317	318
75°	162	162	160	160	162	173
85°	43	43	43	44	39	50
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1647.3	1647.3	1647.3	1647.3	1647.3
2.5°	1643.8	1647.3	1646.1	1647.3	1643.8
5°	1637.9	1641.4	1641.4	1641.4	1639.1
7.5°	1629.7	1632.1	1633.2	1634.4	1628.6
10°	1618.0	1620.4	1619.2	1621.6	1616.9
12.5°	1602.8	1602.8	1604.0	1606.4	1601.7
15°	1580.6	1581.8	1583.0	1585.3	1579.5
17.5°	1554.9	1556.1	1557.2	1558.4	1553.7
20°	1525.7	1525.7	1528.0	1529.2	1523.3
22.5°	1489.4	1489.4	1491.8	1495.3	1488.3
25°	1450.9	1450.9	1452.0	1453.2	1447.4
27.5°	1405.3	1405.3	1406.4	1409.9	1402.9
30°	1356.2	1355.0	1356.2	1357.3	1352.7
32.5°	1301.2	1300.0	1298.9	1300.0	1294.2
35°	1235.7	1234.6	1232.2	1231.1	1226.4
37.5°	1159.8	1157.4	1152.7	1152.7	1148.1
40°	1070.9	1065.1	1059.2	1056.9	1055.7
42.5°	968.0	963.3	955.2	954.0	954.0
45°	864.0	861.6	849.9	848.8	853.4
47.5°	770.4	764.6	754.1	751.7	758.7
50°	678.1	679.3	669.9	666.4	673.4
52.5°	605.6	603.3	595.1	592.7	598.6
55°	537.8	535.5	529.6	526.1	530.8
57.5°	475.8	474.7	468.8	467.6	470.0
60°	419.7	418.5	413.9	412.7	413.9
62.5°	367.1	367.1	362.4	360.1	363.6
65°	318.0	320.3	315.7	313.3	316.8
67.5°	273.6	275.9	271.2	268.9	273.6
70°	231.5	233.8	229.1	226.8	231.5
72.5°	195.2	196.4	192.9	191.7	197.6
75°	162.5	162.5	160.2	160.2	162.5
77.5°	132.1	130.9	129.8	129.8	127.4
80°	101.7	100.5	100.5	100.5	97.0
82.5°	72.5	70.1	71.3	72.5	66.6
85°	43.3	43.3	43.3	44.4	38.6
87.5°	17.5	17.5	16.4	17.5	15.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)