

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: P1050667

Luminaire Tested: 24PTR-45-PC3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050667
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-45-PC3-L930-UNV-STD-W
Description: 4500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

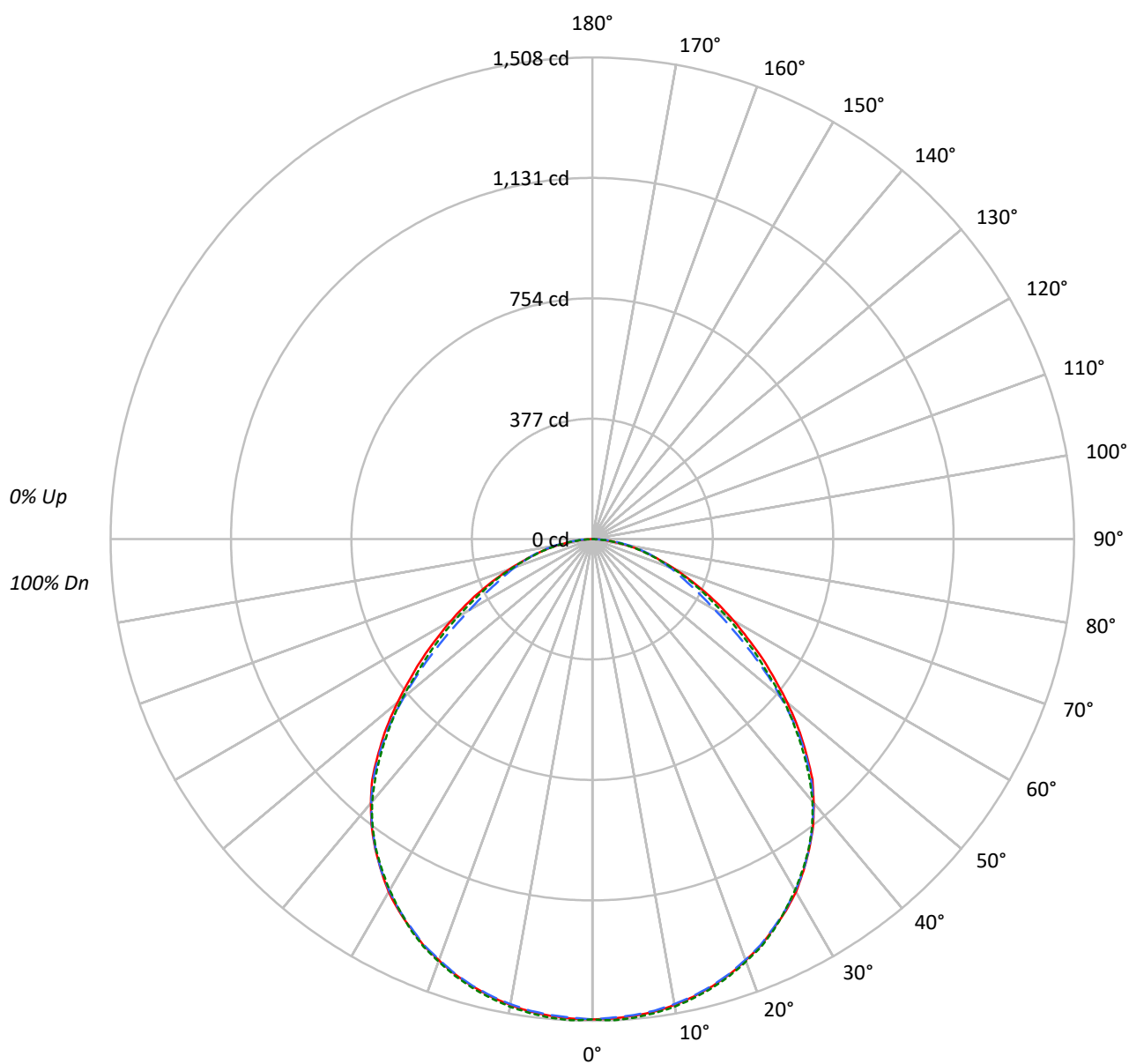
Lumens per Lamp: N/A
Luminaire Lumens: 3790.8 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2023	2023	2023
5°	2024	2020	2032
10°	2024	2020	2031
15°	2019	2017	2026
20°	2010	2007	2015
25°	1996	1993	2001
30°	1981	1975	1971
35°	1945	1943	1940
40°	1894	1891	1883
45°	1801	1788	1769
50°	1667	1611	1629
55°	1521	1398	1461
60°	1372	1193	1308
65°	1226	1067	1176
70°	1088	1009	1058
75°	962	978	943
80°	830	934	825
85°	622	739	622

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1805 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.6	3.8
10°-20°	409.3	10.8
20°-30°	619.8	16.3
30°-40°	738.9	19.5
40°-50°	722.0	19.0
50°-60°	552.1	14.6
60°-70°	354.4	9.3
70°-80°	197.2	5.2
80°-90°	54.5	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°	1171.7	30.9
0°-40°	1910.6	50.4
0°-60°	3184.7	84.0
0°-90°	3790.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3790.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1504	1504	1504	1504	1504	
5°	1498	1499	1496	1503	1504	143
15°	1449	1450	1448	1453	1454	409
25°	1344	1346	1342	1347	1348	620
35°	1184	1185	1183	1183	1181	740
45°	946	949	940	937	930	728
55°	648	626	596	603	623	580
65°	385	355	335	346	370	384
75°	185	187	188	186	181	198
85°	40	47	48	46	40	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1503.6	1503.6	1503.6	1503.6	1503.6
2.5°	1502.6	1503.2	1499.3	1505.7	1507.9
5°	1498.3	1499.3	1495.6	1502.6	1504.2
7.5°	1491.9	1492.9	1489.1	1496.2	1496.8
10°	1481.1	1481.7	1478.4	1485.4	1486.4
12.5°	1466.7	1468.2	1464.5	1471.0	1471.4
15°	1449.3	1450.4	1447.7	1452.6	1454.2
17.5°	1429.0	1429.5	1426.8	1432.1	1432.7
20°	1403.6	1403.6	1401.4	1407.5	1407.5
22.5°	1377.8	1376.2	1375.6	1377.8	1381.1
25°	1344.5	1346.1	1342.4	1346.7	1347.7
27.5°	1312.3	1312.3	1309.0	1311.1	1308.4
30°	1275.2	1273.0	1270.9	1271.3	1268.7
32.5°	1230.4	1230.4	1229.5	1229.5	1226.1
35°	1184.3	1185.3	1183.1	1182.6	1181.0
37.5°	1134.7	1136.4	1132.5	1131.6	1130.4
40°	1078.2	1078.2	1076.6	1074.5	1071.8
42.5°	1019.6	1019.6	1012.8	1007.3	1003.6
45°	946.5	948.7	939.5	937.3	929.9
47.5°	873.8	872.3	860.0	858.4	854.1
50°	796.4	787.3	769.7	774.4	778.3
52.5°	719.1	707.7	681.9	687.2	693.7
55°	648.5	626.1	596.0	603.4	622.7
57.5°	574.9	544.8	514.7	528.8	552.8
60°	509.8	476.0	443.2	458.2	486.2
62.5°	447.5	411.5	385.1	399.6	423.2
65°	385.1	355.4	335.1	346.2	369.5
67.5°	328.1	308.1	294.3	299.5	318.3
70°	276.5	264.0	256.6	258.1	268.9
72.5°	227.4	224.3	221.6	221.6	222.6
75°	185.0	186.6	188.2	185.6	181.3
77.5°	145.8	151.0	155.0	149.5	144.2
80°	107.1	115.7	120.6	114.5	106.5
82.5°	73.1	82.8	84.4	80.7	71.5
85°	40.3	47.3	47.9	46.3	40.3
87.5°	15.0	17.8	19.3	17.8	15.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)