

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: P1050357

Luminaire Tested: PTR-14-50-PP3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050357
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-50-PP3-L930-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

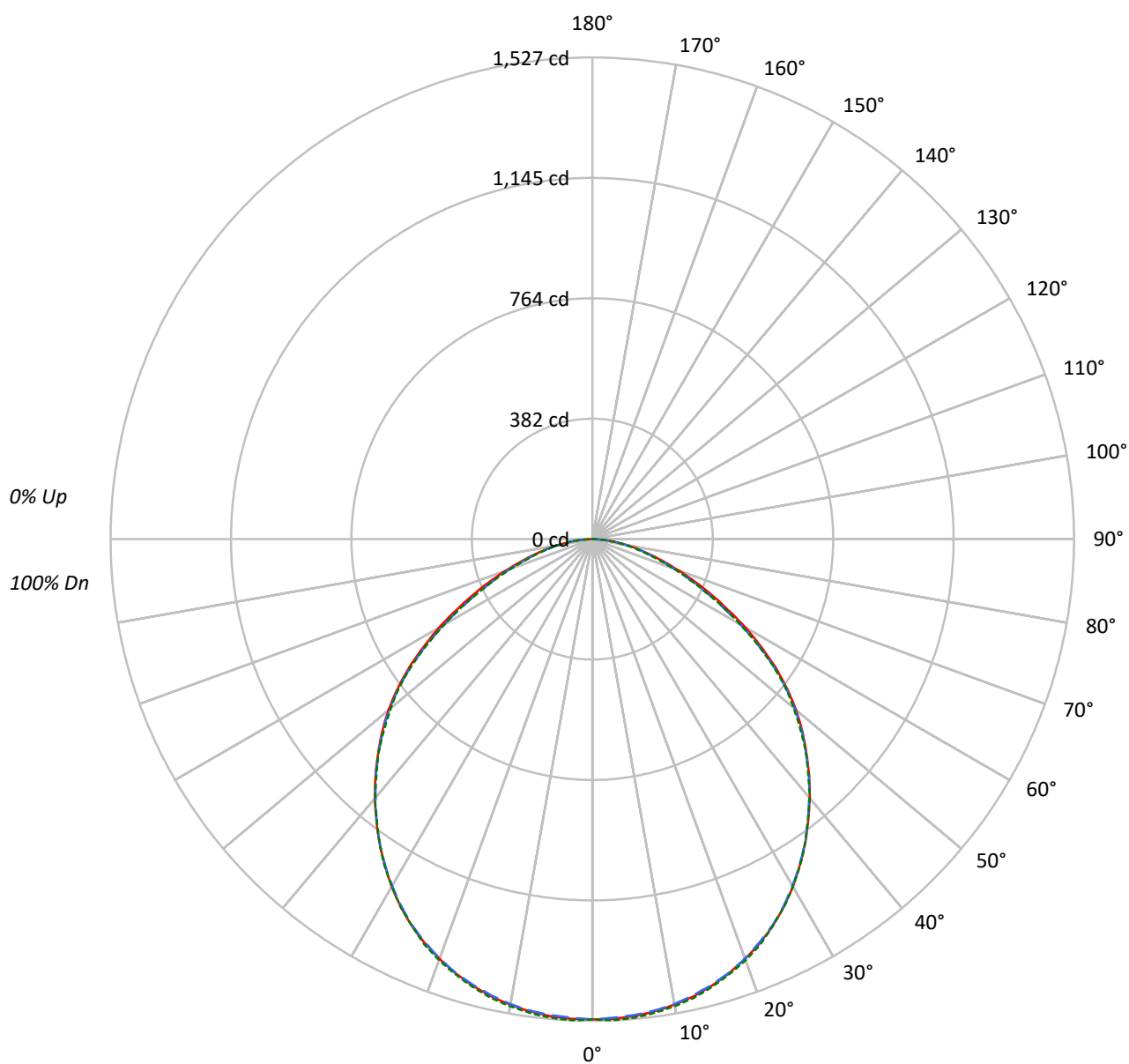
Lumens per Lamp: N/A
Luminaire Lumens: 3933.8 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 40.9
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4097	4097	4097
5°	4101	4092	4114
10°	4095	4089	4109
15°	4082	4074	4092
20°	4055	4051	4068
25°	4018	4012	4017
30°	3951	3943	3951
35°	3865	3860	3863
40°	3766	3754	3764
45°	3653	3642	3647
50°	3531	3514	3489
55°	3324	3285	3275
60°	3017	2915	2920
65°	2649	2516	2513
70°	2291	2186	2161
75°	1982	1908	1866
80°	1756	1729	1652
85°	1451	1501	1414

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3666 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.4	3.7
10°-20°	413.6	10.5
20°-30°	622.8	15.8
30°-40°	735.0	18.7
40°-50°	739.2	18.8
50°-60°	624.1	15.9
60°-70°	400.8	10.2
70°-80°	199.3	5.1
80°-90°	54.6	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°	1180.8	30.0
0°-40°	1915.8	48.7
0°-60°	3279.1	83.4
0°-90°	3933.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3933.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1522	1522	1522	1522	1522	
5°	1518	1518	1515	1522	1523	144
15°	1465	1466	1462	1469	1469	413
25°	1353	1354	1351	1354	1353	623
35°	1176	1177	1175	1176	1176	735
45°	960	963	957	958	958	741
55°	708	708	700	697	698	630
65°	416	410	395	391	395	415
75°	191	190	184	182	180	206
85°	47	49	49	46	46	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1522.5	1522.5	1522.5	1522.5	1522.5
2.5°	1521.9	1522.5	1518.5	1525.7	1526.9
5°	1518.1	1518.5	1514.7	1521.9	1522.9
7.5°	1510.3	1510.9	1507.5	1514.1	1515.3
10°	1498.6	1500.4	1496.4	1502.6	1503.6
12.5°	1484.4	1485.0	1480.9	1488.2	1489.4
15°	1465.1	1465.5	1462.3	1468.9	1468.9
17.5°	1442.8	1443.4	1441.2	1446.8	1446.2
20°	1415.9	1417.5	1414.7	1418.5	1420.7
22.5°	1386.6	1387.2	1383.8	1388.8	1391.0
25°	1353.4	1353.8	1351.2	1353.8	1352.8
27.5°	1314.7	1315.7	1311.9	1314.7	1315.3
30°	1271.5	1274.3	1268.9	1271.1	1271.5
32.5°	1225.1	1226.7	1222.9	1223.5	1226.3
35°	1176.5	1177.1	1174.9	1175.9	1175.9
37.5°	1124.1	1126.3	1122.9	1124.5	1122.3
40°	1072.1	1069.9	1068.7	1069.9	1071.5
42.5°	1017.3	1017.9	1016.3	1015.1	1012.5
45°	959.9	963.3	957.0	958.2	958.2
47.5°	903.6	904.0	900.8	897.4	895.2
50°	843.4	843.4	839.4	836.8	833.3
52.5°	777.5	776.5	772.1	769.3	770.9
55°	708.4	707.8	700.2	697.4	698.0
57.5°	632.7	633.9	622.3	619.5	619.5
60°	560.5	554.8	541.6	537.8	542.6
62.5°	484.5	477.9	463.7	463.7	467.5
65°	416.1	410.0	395.2	391.2	394.6
67.5°	352.0	346.4	332.7	330.5	331.5
70°	291.2	286.3	277.9	272.9	274.7
72.5°	238.8	234.3	228.7	224.9	222.7
75°	190.6	189.6	183.5	181.7	179.5
77.5°	150.8	150.4	145.4	143.2	141.0
80°	113.3	112.7	111.6	108.2	106.6
82.5°	80.7	80.7	80.1	77.3	75.7
85°	47.0	48.6	48.6	45.8	45.8
87.5°	18.9	19.9	18.9	18.9	18.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)