

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: P1050456

Luminaire Tested: PTR-14-50-PW1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050456
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-50-PW1-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

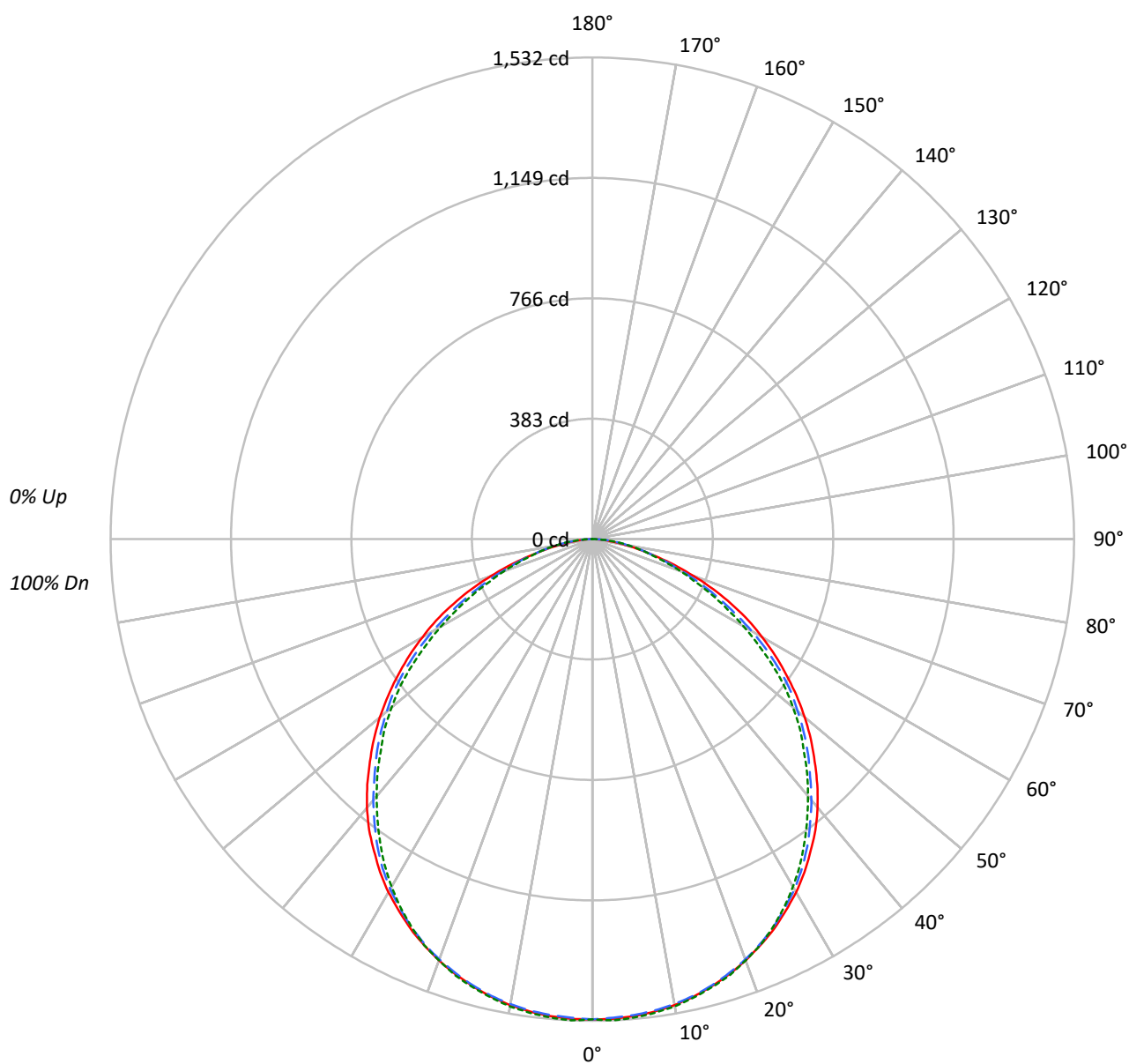
Lumens per Lamp: N/A
Luminaire Lumens: 4053.9 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	4111	4111	4111
5°	4114	4105	4126
10°	4112	4103	4124
15°	4100	4094	4109
20°	4083	4074	4083
25°	4061	4043	4040
30°	4030	3994	3966
35°	3976	3915	3866
40°	3915	3808	3748
45°	3806	3694	3619
50°	3691	3571	3488
55°	3537	3418	3282
60°	3354	3156	2991
65°	3103	2818	2678
70°	2689	2453	2361
75°	2147	2100	2042
80°	1632	1822	1822
85°	1207	1556	1556

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3806 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.9	3.6
10°-20°	415.5	10.2
20°-30°	628.0	15.5
30°-40°	745.7	18.4
40°-50°	751.2	18.5
50°-60°	649.4	16.0
60°-70°	443.8	10.9
70°-80°	218.8	5.4
80°-90°	56.6	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°	1188.4	29.3
0°-40°	1934.0	47.7
0°-60°	3334.6	82.3
0°-90°	4053.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4053.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1528	1528	1528	1528	1528	
5°	1523	1524	1520	1526	1528	145
15°	1472	1473	1469	1474	1475	415
25°	1368	1366	1362	1363	1361	630
35°	1210	1206	1192	1181	1177	758
45°	1000	989	971	959	951	772
55°	754	752	728	707	700	674
65°	487	470	443	423	421	481
75°	206	205	202	202	196	225
85°	39	46	50	51	50	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1527.6	1527.6	1527.6	1527.6	1527.6
2.5°	1527.2	1527.6	1523.7	1530.5	1532.1
5°	1523.0	1523.7	1519.8	1525.9	1527.6
7.5°	1515.8	1516.9	1512.4	1518.5	1519.8
10°	1504.9	1505.6	1501.7	1507.8	1509.1
12.5°	1490.3	1490.8	1487.5	1493.0	1493.0
15°	1471.6	1473.3	1469.4	1474.5	1474.9
17.5°	1450.6	1451.3	1447.4	1452.9	1454.1
20°	1425.8	1425.8	1422.5	1427.0	1425.8
22.5°	1398.0	1398.0	1394.1	1396.4	1397.4
25°	1367.6	1366.3	1361.8	1363.0	1360.8
27.5°	1332.4	1332.4	1324.4	1324.4	1320.5
30°	1296.8	1293.9	1285.5	1280.3	1276.4
32.5°	1255.9	1252.0	1241.3	1232.2	1229.3
35°	1210.2	1206.1	1191.9	1181.2	1176.7
37.5°	1166.0	1156.9	1138.2	1127.5	1122.4
40°	1114.4	1103.1	1083.9	1069.1	1066.9
42.5°	1059.0	1050.0	1025.1	1014.2	1011.5
45°	1000.2	989.3	970.6	959.3	950.9
47.5°	942.4	934.4	913.0	899.4	896.6
50°	881.7	875.0	852.9	838.3	833.2
52.5°	819.0	814.5	795.8	777.1	770.9
55°	754.0	751.8	728.5	706.9	699.5
57.5°	690.1	687.2	658.2	633.3	626.5
60°	623.2	614.8	586.4	563.1	555.7
62.5°	559.9	541.8	511.1	493.0	484.6
65°	487.3	469.8	442.6	423.3	420.6
67.5°	416.1	395.1	374.1	362.2	353.1
70°	341.8	327.6	311.8	301.7	300.1
72.5°	272.7	262.7	254.6	248.5	243.3
75°	206.5	204.9	202.0	202.0	196.4
77.5°	151.8	155.7	158.0	157.3	158.6
80°	105.3	113.1	117.6	118.3	117.6
82.5°	66.8	75.9	83.3	84.3	85.6
85°	39.1	45.9	50.4	51.4	50.4
87.5°	17.5	22.0	23.2	24.3	23.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)