

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: P1050407

Luminaire Tested: PTR-14-50-PR1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-50-PR1-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

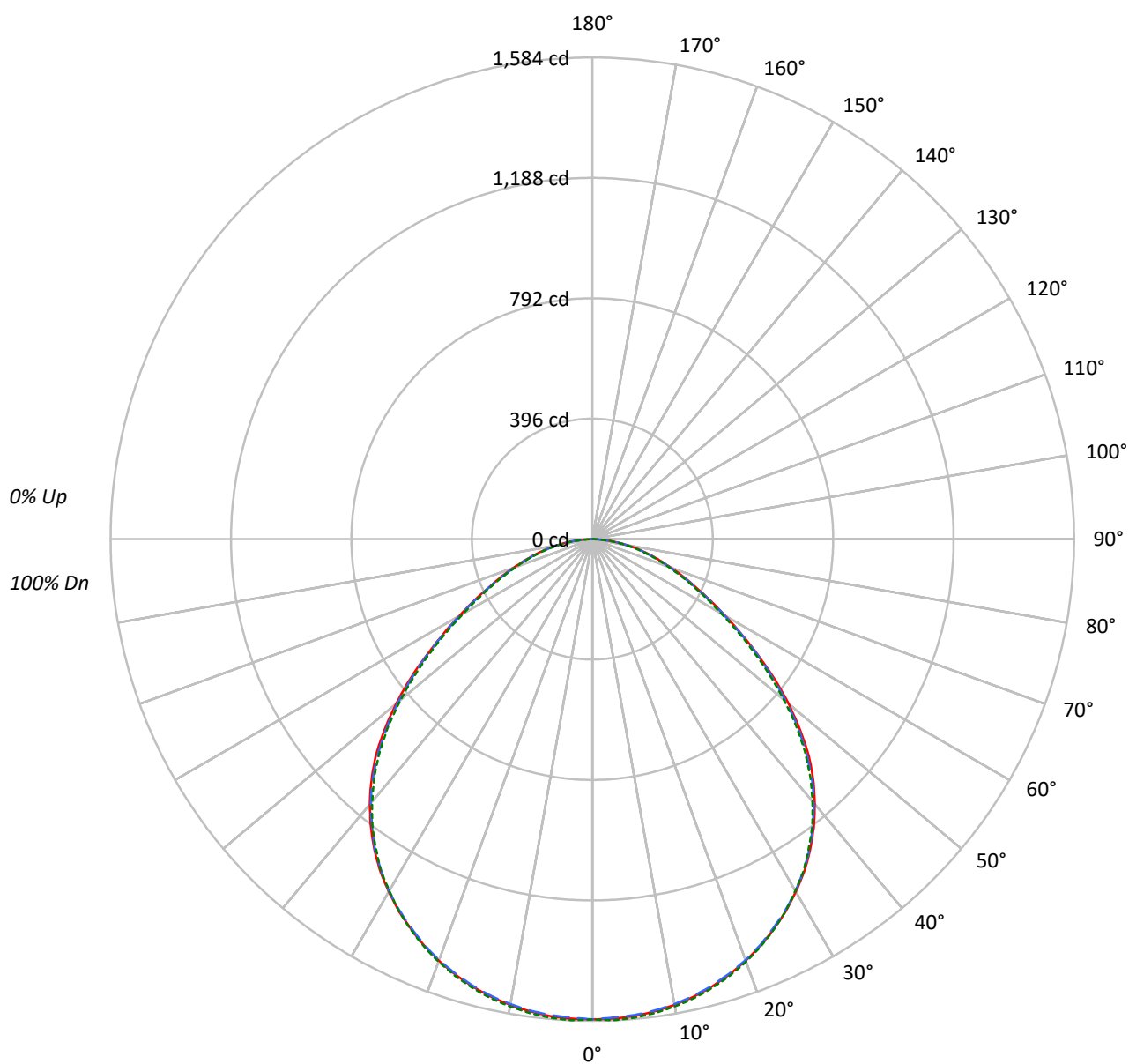
Lumens per Lamp: N/A
Luminaire Lumens: 3993.5 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	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	45	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	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4249	4249	4249
5°	4253	4244	4267
10°	4250	4242	4265
15°	4242	4235	4255
20°	4224	4219	4235
25°	4196	4186	4201
30°	4159	4154	4149
35°	4102	4093	4075
40°	3998	3982	3954
45°	3831	3788	3761
50°	3525	3486	3442
55°	3120	3107	3046
60°	2711	2702	2629
65°	2390	2375	2328
70°	2168	2137	2094
75°	2008	1961	1925
80°	1832	1807	1746
85°	1448	1436	1377

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3831 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.8	3.8
10°-20°	429.9	10.8
20°-30°	651.3	16.3
30°-40°	777.5	19.5
40°-50°	764.6	19.1
50°-60°	591.0	14.8
60°-70°	372.7	9.3
70°-80°	201.6	5.0
80°-90°	55.1	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°	1231.0	30.8
0°-40°	2008.6	50.3
0°-60°	3364.2	84.2
0°-90°	3993.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3993.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1579	1579	1579	1579	1579	
5°	1575	1575	1571	1578	1580	150
15°	1522	1523	1520	1525	1528	430
25°	1413	1414	1410	1414	1415	651
35°	1249	1249	1246	1244	1241	780
45°	1007	1003	996	988	988	771
55°	665	671	662	652	649	597
65°	375	376	373	367	366	378
75°	193	191	189	190	185	205
85°	47	48	46	47	45	56
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1579.1	1579.1	1579.1	1579.1	1579.1
2.5°	1578.5	1579.1	1574.6	1582.0	1583.6
5°	1574.6	1575.2	1571.1	1577.9	1579.7
7.5°	1566.5	1567.8	1563.9	1570.7	1572.3
10°	1555.2	1556.5	1552.6	1559.4	1561.0
12.5°	1541.3	1541.7	1538.4	1544.5	1546.2
15°	1522.5	1523.0	1520.3	1525.2	1527.5
17.5°	1500.9	1501.6	1497.7	1503.8	1504.9
20°	1475.0	1475.5	1473.2	1478.3	1478.9
22.5°	1446.0	1447.3	1443.8	1448.3	1448.9
25°	1413.3	1414.4	1409.9	1414.4	1415.0
27.5°	1378.8	1379.2	1375.3	1378.8	1378.2
30°	1338.5	1342.0	1336.9	1335.6	1335.2
32.5°	1296.8	1297.2	1292.2	1291.0	1293.3
35°	1248.6	1249.0	1245.8	1244.1	1240.6
37.5°	1196.0	1196.0	1189.6	1188.6	1188.0
40°	1138.2	1137.6	1133.7	1129.8	1125.7
42.5°	1075.3	1076.5	1068.5	1061.7	1060.7
45°	1006.8	1002.9	995.5	987.7	988.3
47.5°	926.0	927.0	916.9	910.6	908.9
50°	842.1	842.1	832.6	825.8	822.3
52.5°	754.5	755.1	746.1	737.0	735.2
55°	665.0	670.6	662.2	651.5	649.2
57.5°	581.3	585.9	577.8	566.5	565.9
60°	503.8	504.2	502.0	491.3	488.4
62.5°	437.6	434.7	433.5	427.9	424.4
65°	375.3	375.9	373.0	366.7	365.6
67.5°	324.9	324.3	319.1	315.2	313.0
70°	275.6	273.9	271.6	268.4	266.1
72.5°	231.5	231.5	229.7	228.7	224.8
75°	193.1	190.8	188.6	189.6	185.1
77.5°	156.3	154.0	152.2	149.9	148.9
80°	118.2	116.0	116.6	113.1	112.7
82.5°	82.0	82.0	81.0	78.1	78.8
85°	46.9	47.5	46.5	46.9	44.6
87.5°	17.1	17.5	18.7	17.5	17.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)