

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: P1050252

Luminaire Tested: PTR-14-40-PL1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050252
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-40-PL1-L930-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

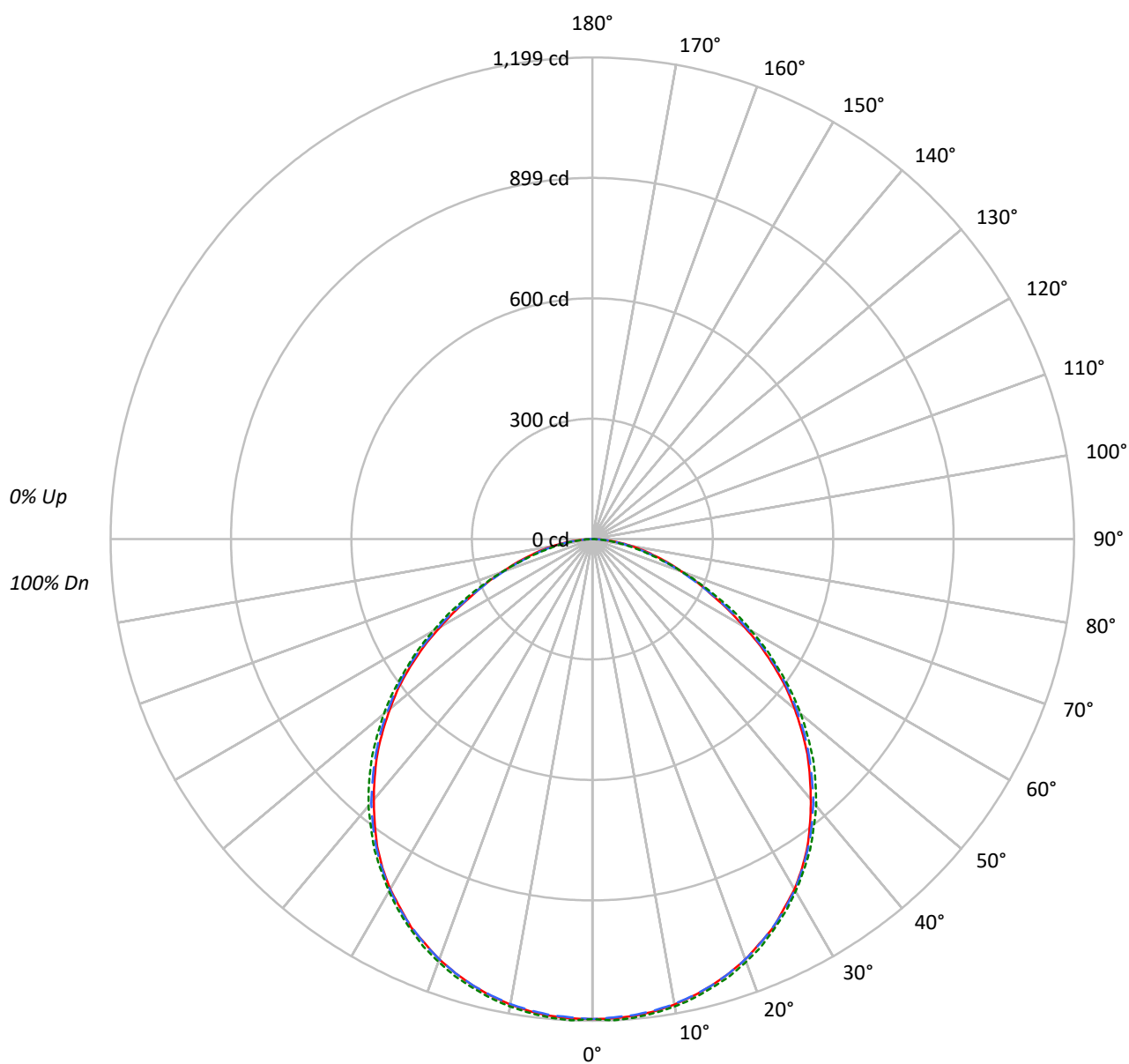
Lumens per Lamp: N/A
Luminaire Lumens: 3149.7 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.1
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	96	98	95	93	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3215	3215	3215
5°	3218	3212	3230
10°	3214	3211	3229
15°	3204	3203	3219
20°	3188	3188	3206
25°	3167	3162	3180
30°	3127	3131	3146
35°	3067	3079	3104
40°	2972	3006	3045
45°	2879	2903	2959
50°	2753	2782	2837
55°	2593	2634	2665
60°	2351	2401	2461
65°	2089	2111	2196
70°	1867	1829	1874
75°	1684	1588	1555
80°	1531	1421	1261
85°	1297	1176	1013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2959 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.3	3.6
10°-20°	325.1	10.3
20°-30°	491.7	15.6
30°-40°	586.1	18.6
40°-50°	589.4	18.7
50°-60°	500.2	15.9
60°-70°	333.0	10.6
70°-80°	166.3	5.3
80°-90°	44.5	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°	930.2	29.5
0°-40°	1516.3	48.1
0°-60°	2605.9	82.7
0°-90°	3149.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3149.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1195	1195	1195	1195	1195	
5°	1191	1192	1189	1194	1196	113
15°	1150	1152	1150	1154	1156	325
25°	1066	1066	1065	1070	1071	490
35°	934	935	937	944	945	582
45°	757	758	763	773	778	582
55°	553	556	561	567	568	492
65°	328	331	332	336	345	329
75°	162	160	153	149	150	174
85°	42	41	38	36	33	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1194.9	1194.9	1194.9	1194.9	1194.9
2.5°	1194.0	1194.9	1191.7	1197.5	1198.9
5°	1191.4	1191.7	1189.1	1194.4	1195.7
7.5°	1185.6	1186.1	1183.3	1189.1	1189.9
10°	1176.3	1177.2	1175.0	1180.3	1181.6
12.5°	1164.4	1165.6	1163.4	1169.2	1170.1
15°	1150.2	1151.5	1149.7	1154.5	1155.5
17.5°	1132.8	1133.8	1132.8	1137.3	1139.9
20°	1113.4	1113.4	1113.4	1117.4	1119.6
22.5°	1089.1	1091.3	1090.4	1095.7	1097.9
25°	1066.5	1066.5	1065.1	1070.1	1070.9
27.5°	1035.0	1038.6	1038.2	1042.6	1043.5
30°	1006.2	1007.2	1007.7	1010.7	1012.5
32.5°	971.3	972.1	973.6	977.9	978.4
35°	933.7	934.6	937.2	943.8	944.8
37.5°	889.9	894.7	897.0	904.1	904.9
40°	846.0	849.1	855.8	863.2	866.8
42.5°	801.3	804.8	808.8	819.0	822.2
45°	756.6	757.8	762.8	773.0	777.5
47.5°	707.0	711.0	715.4	724.2	727.0
50°	657.5	661.8	664.5	672.4	677.7
52.5°	607.4	611.5	614.5	619.3	624.6
55°	552.6	556.4	561.4	566.7	568.0
57.5°	496.8	501.1	504.3	509.9	515.7
60°	436.9	441.9	446.2	451.6	457.3
62.5°	381.3	383.3	387.8	396.7	405.1
65°	328.0	330.7	331.5	336.5	344.9
67.5°	283.8	283.8	279.7	281.5	290.8
70°	237.3	235.5	232.5	230.7	238.2
72.5°	199.6	197.4	190.8	187.7	191.8
75°	162.0	159.7	152.7	149.1	149.6
77.5°	130.1	126.6	120.8	114.7	113.4
80°	98.8	97.3	91.7	85.9	81.4
82.5°	70.0	66.9	63.7	60.2	56.6
85°	42.0	41.2	38.1	35.9	32.8
87.5°	17.2	17.2	16.4	15.4	14.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)