

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: P1050399

Luminaire Tested: PTR-14-40-PR1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050399
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-14-40-PR1-L930-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

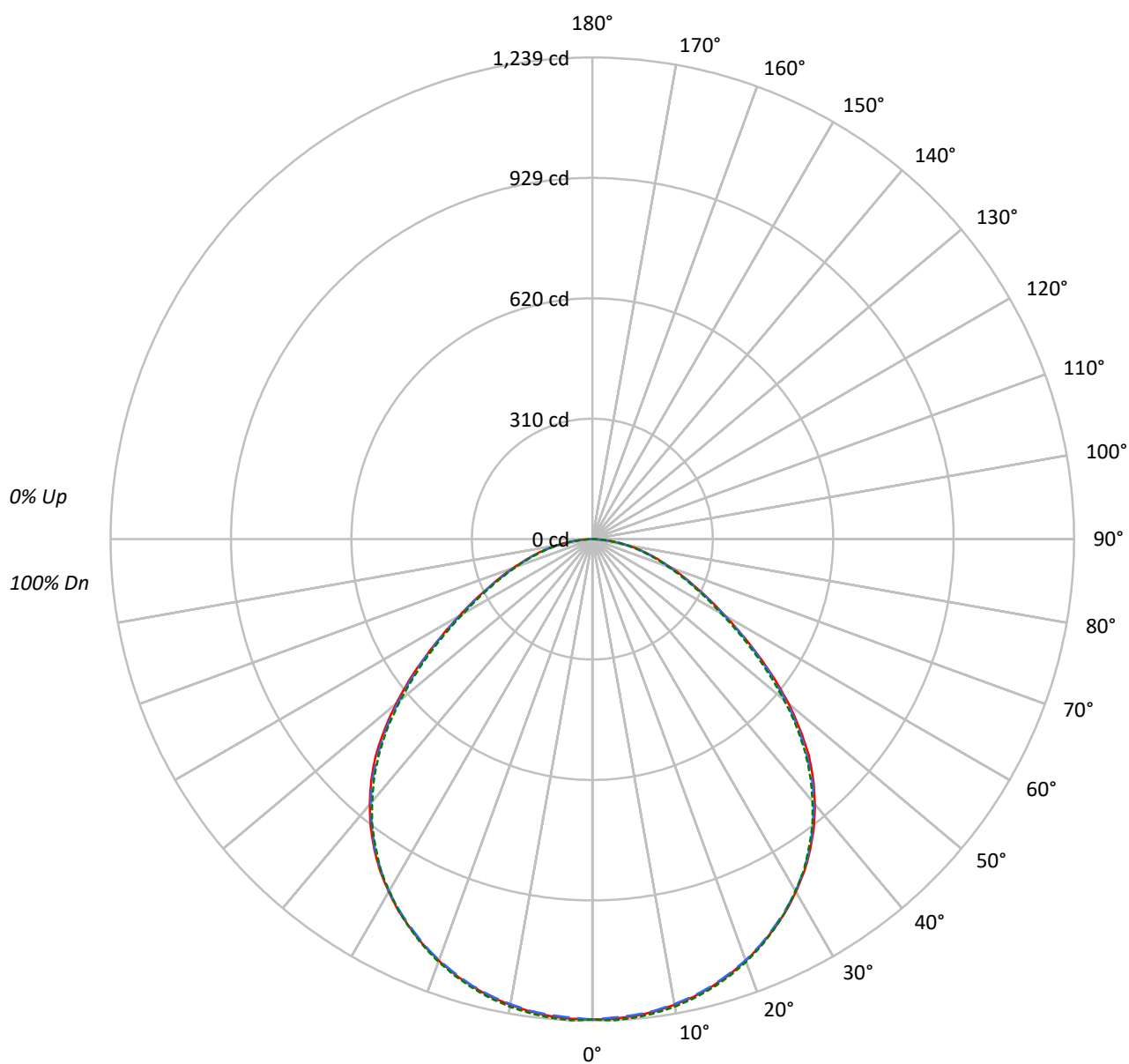
Lumens per Lamp: N/A
Luminaire Lumens: 3124.3 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	3324	3324	3324
5°	3327	3320	3338
10°	3325	3319	3337
15°	3318	3314	3329
20°	3305	3300	3313
25°	3283	3275	3287
30°	3254	3250	3246
35°	3209	3202	3188
40°	3128	3116	3093
45°	2998	2964	2943
50°	2758	2727	2693
55°	2441	2430	2383
60°	2121	2113	2056
65°	1869	1858	1821
70°	1696	1672	1638
75°	1571	1534	1506
80°	1433	1413	1367
85°	1133	1124	1078

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2998 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.2	3.8
10°-20°	336.3	10.8
20°-30°	509.6	16.3
30°-40°	608.3	19.5
40°-50°	598.2	19.1
50°-60°	462.4	14.8
60°-70°	291.5	9.3
70°-80°	157.7	5.0
80°-90°	43.1	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°	963.1	30.8
0°-40°	1571.4	50.3
0°-60°	2631.9	84.2
0°-90°	3124.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3124.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1235	1235	1235	1235	1235	
5°	1232	1232	1229	1234	1236	117
15°	1191	1192	1189	1193	1195	336
25°	1106	1106	1103	1106	1107	510
35°	977	977	975	973	971	610
45°	788	785	779	773	773	603
55°	520	525	518	510	508	467
65°	294	294	292	287	286	295
75°	151	149	148	148	145	160
85°	37	37	36	37	35	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1235.4	1235.4	1235.4	1235.4	1235.4
2.5°	1234.9	1235.4	1231.8	1237.6	1238.9
5°	1231.8	1232.3	1229.1	1234.4	1235.9
7.5°	1225.6	1226.5	1223.5	1228.8	1230.1
10°	1216.7	1217.7	1214.6	1219.9	1221.2
12.5°	1205.8	1206.1	1203.5	1208.3	1209.6
15°	1191.1	1191.5	1189.4	1193.2	1195.0
17.5°	1174.2	1174.7	1171.7	1176.5	1177.3
20°	1154.0	1154.3	1152.5	1156.5	1157.0
22.5°	1131.3	1132.3	1129.5	1133.1	1133.5
25°	1105.7	1106.5	1103.0	1106.5	1107.0
27.5°	1078.7	1079.0	1075.9	1078.7	1078.2
30°	1047.2	1049.9	1045.9	1044.9	1044.6
32.5°	1014.5	1014.8	1011.0	1010.0	1011.8
35°	976.8	977.2	974.6	973.3	970.6
37.5°	935.7	935.7	930.7	929.9	929.4
40°	890.5	890.0	886.9	883.9	880.6
42.5°	841.2	842.2	835.9	830.6	829.8
45°	787.7	784.6	778.8	772.7	773.2
47.5°	724.4	725.2	717.4	712.4	711.1
50°	658.8	658.8	651.4	646.1	643.3
52.5°	590.3	590.7	583.7	576.6	575.1
55°	520.3	524.6	518.0	509.7	507.9
57.5°	454.8	458.3	452.1	443.2	442.7
60°	394.1	394.5	392.7	384.3	382.1
62.5°	342.3	340.1	339.1	334.8	332.1
65°	293.6	294.1	291.8	286.8	286.0
67.5°	254.2	253.7	249.7	246.6	244.9
70°	215.6	214.3	212.5	209.9	208.2
72.5°	181.1	181.1	179.7	178.9	175.8
75°	151.1	149.3	147.5	148.3	144.8
77.5°	122.3	120.5	119.0	117.3	116.5
80°	92.5	90.7	91.2	88.5	88.2
82.5°	64.2	64.2	63.4	61.1	61.6
85°	36.7	37.2	36.4	36.7	34.9
87.5°	13.4	13.7	14.6	13.7	13.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)