

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: P1050203

Luminaire Tested: PTR-14-40-PC3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050203
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-40-PC3-L930-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

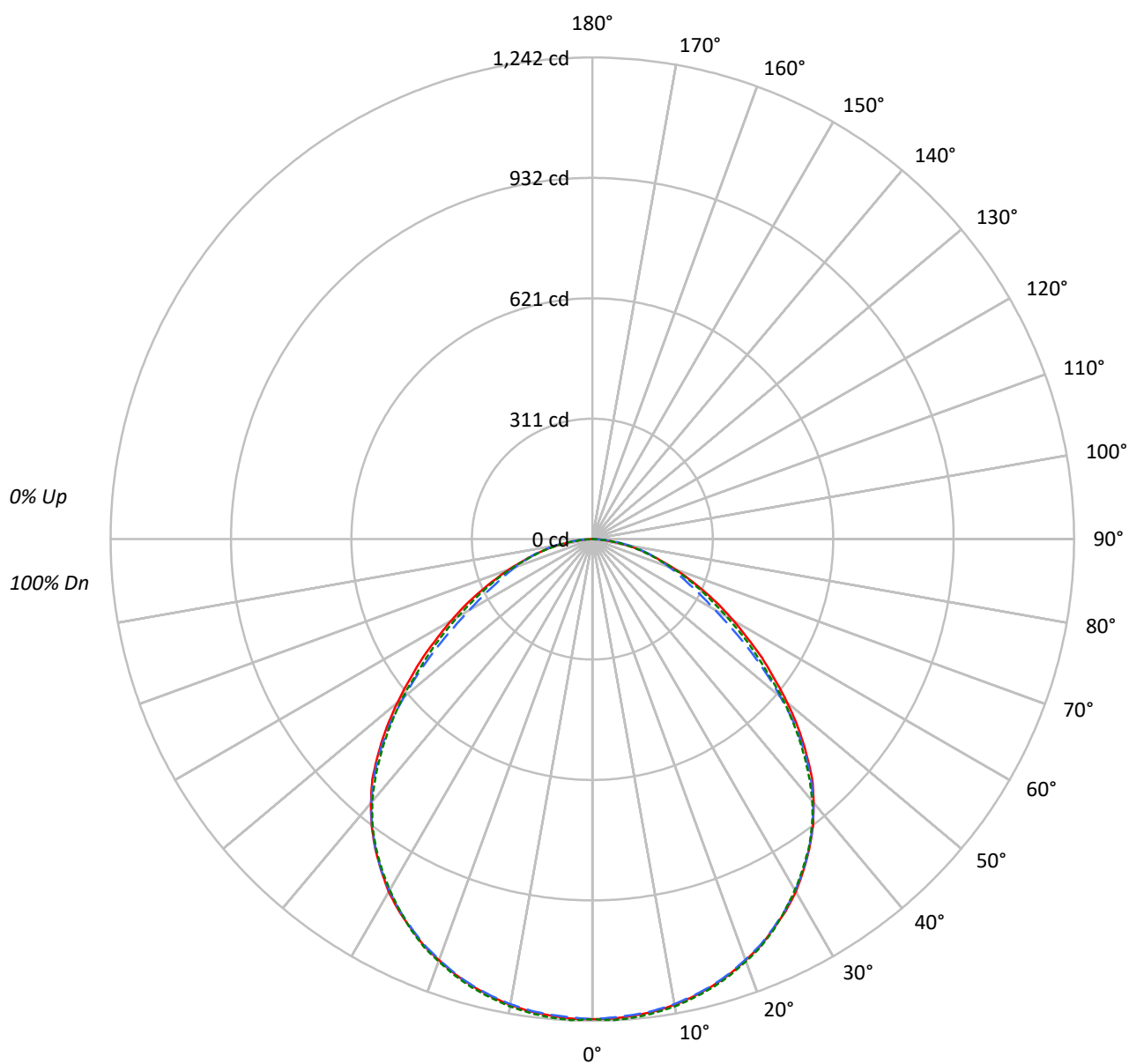
Lumens per Lamp: N/A
Luminaire Lumens: 3121.1 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3331	3331	3331
5°	3332	3326	3345
10°	3332	3326	3344
15°	3324	3321	3336
20°	3309	3304	3318
25°	3287	3282	3295
30°	3262	3251	3246
35°	3203	3200	3194
40°	3118	3114	3100
45°	2966	2944	2914
50°	2745	2653	2683
55°	2505	2302	2405
60°	2259	1964	2154
65°	2019	1757	1937
70°	1791	1662	1742
75°	1585	1611	1552
80°	1367	1539	1359
85°	1022	1216	1022

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2973 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.4	3.8
10°-20°	337.0	10.8
20°-30°	510.3	16.3
30°-40°	608.4	19.5
40°-50°	594.4	19.0
50°-60°	454.5	14.6
60°-70°	291.8	9.4
70°-80°	162.3	5.2
80°-90°	44.8	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°	964.7	30.9
0°-40°	1573.1	50.4
0°-60°	2622.1	84.0
0°-90°	3121.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3121.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1238	1238	1238	1238	1238	
5°	1234	1234	1231	1237	1238	117
15°	1193	1194	1192	1196	1197	337
25°	1107	1108	1105	1109	1110	511
35°	975	976	974	974	972	609
45°	779	781	774	772	766	600
55°	534	516	491	497	513	477
65°	317	293	276	285	304	316
75°	152	154	155	153	149	163
85°	33	39	39	38	33	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1238.0	1238.0	1238.0	1238.0	1238.0
2.5°	1237.2	1237.6	1234.4	1239.7	1241.5
5°	1233.6	1234.4	1231.4	1237.2	1238.4
7.5°	1228.3	1229.1	1226.1	1231.9	1232.3
10°	1219.5	1219.9	1217.2	1223.0	1223.8
12.5°	1207.6	1208.8	1205.8	1211.1	1211.4
15°	1193.2	1194.2	1192.0	1196.0	1197.3
17.5°	1176.5	1177.0	1174.7	1179.1	1179.6
20°	1155.6	1155.6	1153.8	1158.8	1158.8
22.5°	1134.4	1133.1	1132.6	1134.4	1137.1
25°	1107.0	1108.3	1105.2	1108.8	1109.6
27.5°	1080.5	1080.5	1077.7	1079.5	1077.2
30°	1049.9	1048.1	1046.4	1046.7	1044.6
32.5°	1013.1	1013.1	1012.3	1012.3	1009.5
35°	975.1	975.9	974.1	973.6	972.4
37.5°	934.2	935.7	932.5	931.7	930.7
40°	887.7	887.7	886.4	884.7	882.4
42.5°	839.5	839.5	833.8	829.3	826.3
45°	779.3	781.1	773.5	771.7	765.6
47.5°	719.5	718.2	708.0	706.7	703.2
50°	655.7	648.2	633.7	637.6	640.8
52.5°	592.0	582.7	561.5	565.8	571.1
55°	534.0	515.5	490.7	496.8	512.7
57.5°	473.3	448.5	423.8	435.3	455.1
60°	419.7	391.9	364.9	377.3	400.3
62.5°	368.4	338.8	317.1	329.0	348.5
65°	317.1	292.6	275.9	285.1	304.2
67.5°	270.1	253.7	242.3	246.6	262.1
70°	227.6	217.3	211.2	212.5	221.4
72.5°	187.3	184.7	182.4	182.4	183.2
75°	152.4	153.6	154.9	152.8	149.3
77.5°	120.0	124.4	127.6	123.1	118.7
80°	88.2	95.2	99.3	94.3	87.7
82.5°	60.2	68.2	69.5	66.4	58.9
85°	33.1	38.9	39.4	38.1	33.1
87.5°	12.4	14.6	15.9	14.6	12.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)