

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: P1050156

Luminaire Tested: PTR-14-40-PB1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-40-PB1-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

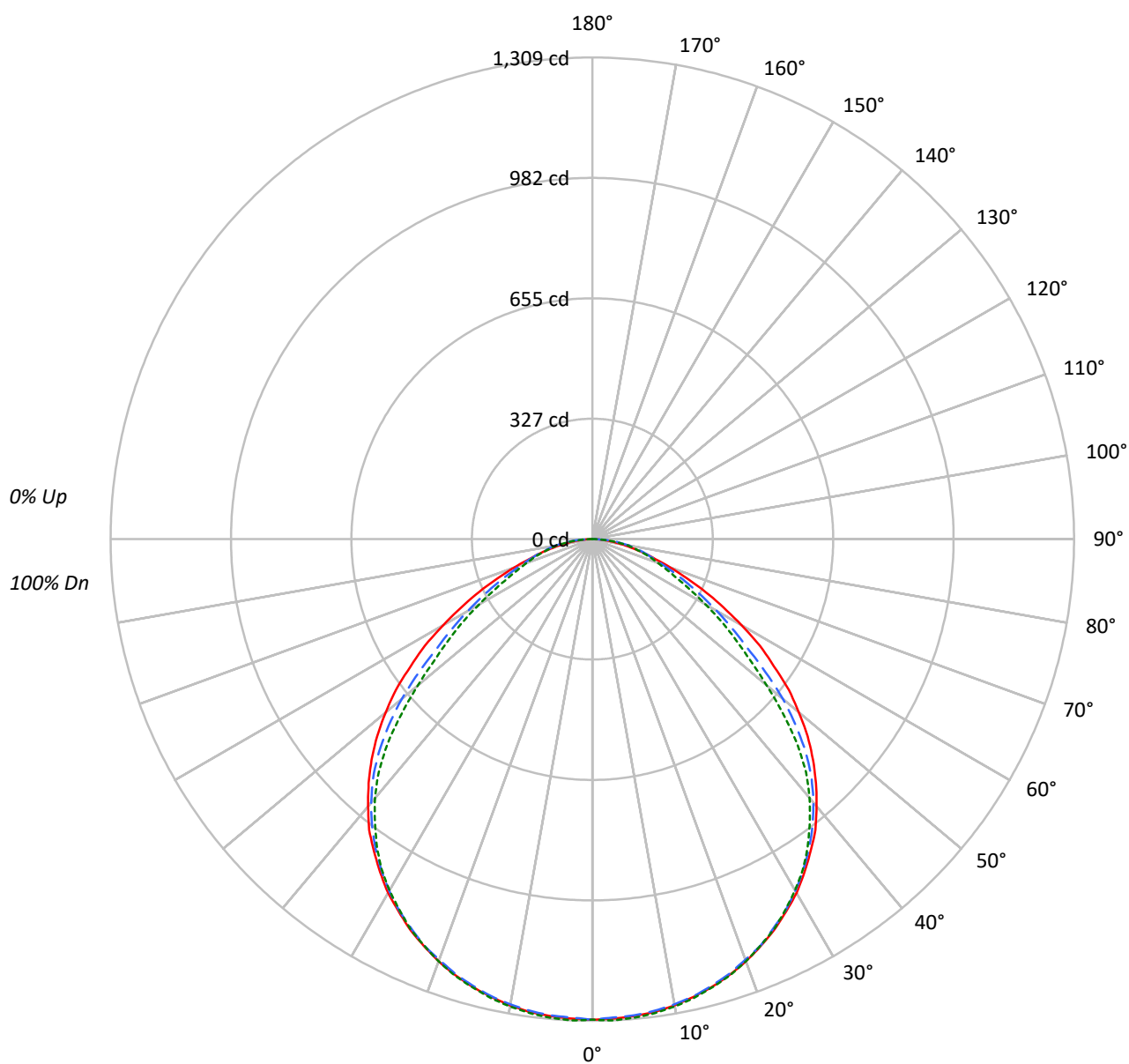
Lumens per Lamp: N/A
Luminaire Lumens: 3256.4 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3514	3514	3514
5°	3515	3510	3528
10°	3516	3507	3525
15°	3509	3500	3513
20°	3496	3483	3496
25°	3477	3462	3472
30°	3449	3429	3424
35°	3398	3372	3351
40°	3329	3284	3228
45°	3228	3124	2995
50°	3067	2831	2589
55°	2826	2404	2230
60°	2516	2101	1911
65°	2159	1821	1627
70°	1782	1606	1492
75°	1502	1536	1454
80°	1271	1568	1495
85°	994	1587	1389

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3228 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.8	3.8
10°-20°	355.3	10.9
20°-30°	538.2	16.5
30°-40°	641.3	19.7
40°-50°	627.2	19.3
50°-60°	474.4	14.6
60°-70°	291.4	8.9
70°-80°	155.3	4.8
80°-90°	49.5	1.5
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°	1017.4	31.2
0°-40°	1658.7	50.9
0°-60°	2760.2	84.8
0°-90°	3256.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3256.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1306	1306	1306	1306	1306	
5°	1301	1303	1300	1304	1306	124
15°	1259	1261	1256	1261	1261	355
25°	1171	1169	1166	1168	1169	539
35°	1034	1033	1026	1022	1020	647
45°	848	843	821	794	787	652
55°	602	572	512	484	475	539
65°	339	312	286	263	256	337
75°	144	146	148	143	140	155
85°	32	42	51	48	45	39
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1305.9	1305.9	1305.9	1305.9	1305.9
2.5°	1304.4	1305.9	1301.1	1307.6	1309.2
5°	1301.1	1302.7	1299.5	1304.4	1305.9
7.5°	1296.3	1296.3	1293.1	1297.9	1299.5
10°	1286.7	1286.7	1283.5	1288.2	1289.9
12.5°	1273.9	1273.9	1272.2	1275.4	1277.1
15°	1259.4	1260.9	1256.2	1260.9	1260.9
17.5°	1241.7	1240.2	1238.5	1241.7	1243.4
20°	1220.8	1220.8	1216.1	1219.3	1220.8
22.5°	1196.7	1196.7	1195.2	1196.7	1195.2
25°	1171.0	1169.3	1166.1	1167.8	1169.3
27.5°	1140.5	1140.5	1137.3	1137.3	1135.6
30°	1110.0	1108.3	1103.6	1100.4	1101.9
32.5°	1073.1	1071.4	1066.6	1063.4	1065.0
35°	1034.4	1032.9	1026.5	1021.6	1020.1
37.5°	996.0	991.1	983.0	976.6	970.2
40°	947.8	942.9	934.9	920.4	918.8
42.5°	899.5	894.8	881.8	864.3	859.4
45°	848.1	843.4	820.8	793.5	787.0
47.5°	793.5	785.5	750.1	716.4	703.6
50°	732.6	718.1	676.2	632.9	618.4
52.5°	673.0	647.4	592.8	554.2	539.8
55°	602.4	571.9	512.5	483.5	475.4
57.5°	539.8	498.0	449.8	420.9	414.5
60°	467.5	428.9	390.4	364.6	355.0
62.5°	401.5	367.8	335.8	313.2	302.0
65°	339.0	311.6	286.0	263.4	255.5
67.5°	277.9	263.4	242.5	225.0	220.1
70°	226.5	218.4	204.1	196.0	189.6
72.5°	179.9	183.1	173.5	170.3	165.4
75°	144.5	146.2	147.7	143.0	139.8
77.5°	109.3	117.2	123.6	120.4	117.2
80°	82.0	89.9	101.2	96.5	96.5
82.5°	56.2	65.9	75.6	72.3	70.7
85°	32.2	41.8	51.4	48.2	45.0
87.5°	12.8	20.9	22.4	22.4	20.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)