

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: P1050204

Luminaire Tested: PTR-14-40-PC3-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050204
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-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

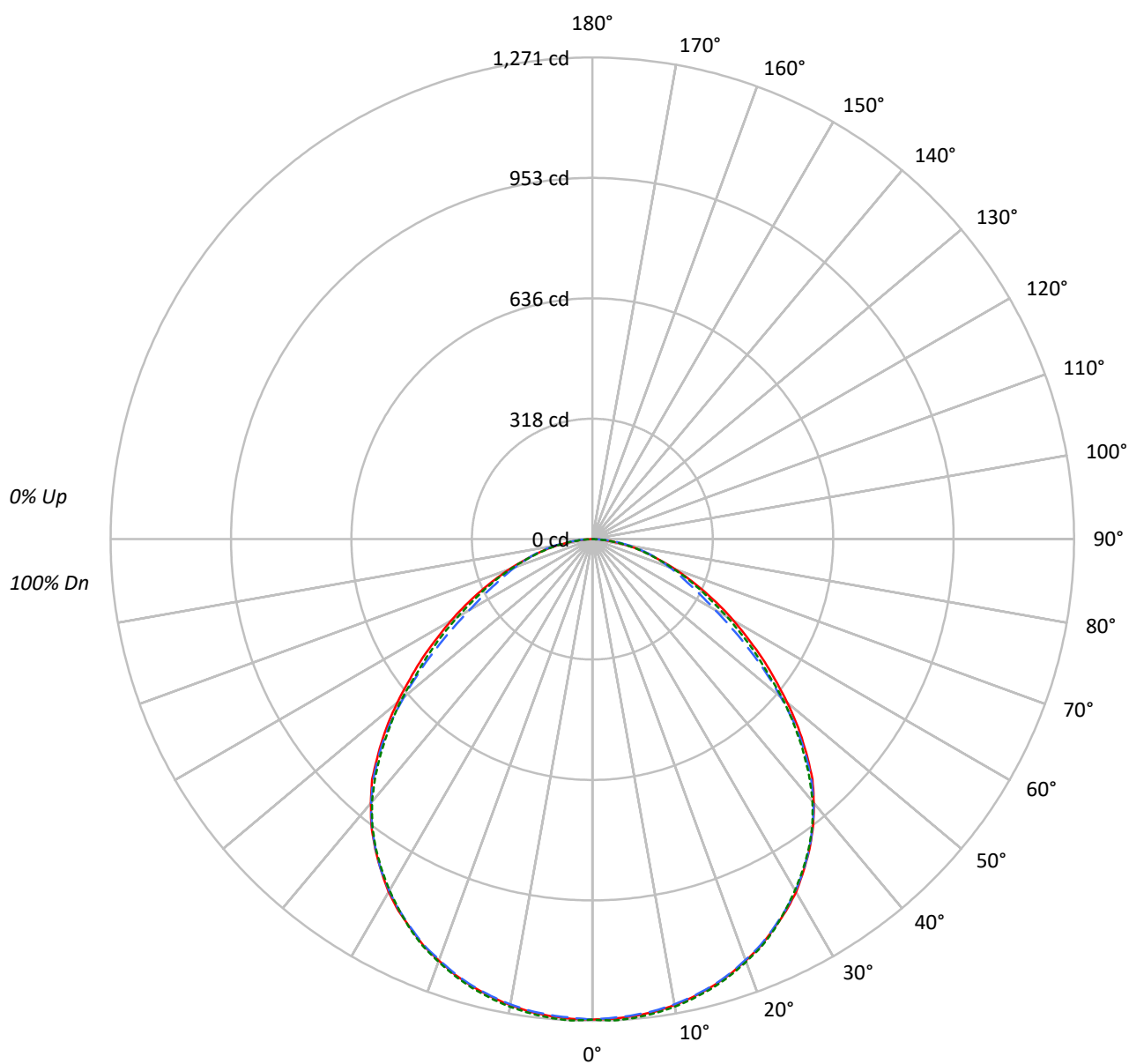
Lumens per Lamp: N/A
Luminaire Lumens: 3196.3 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	3412	3412	3412
5°	3412	3406	3426
10°	3412	3406	3425
15°	3404	3401	3416
20°	3389	3384	3398
25°	3366	3361	3374
30°	3341	3330	3324
35°	3280	3277	3271
40°	3194	3189	3175
45°	3037	3014	2984
50°	2811	2717	2747
55°	2565	2358	2464
60°	2313	2011	2206
65°	2067	1799	1984
70°	1834	1702	1784
75°	1622	1650	1590
80°	1399	1576	1392
85°	1047	1247	1047

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3044 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.2	3.8
10°-20°	345.1	10.8
20°-30°	522.6	16.3
30°-40°	623.0	19.5
40°-50°	608.8	19.0
50°-60°	465.5	14.6
60°-70°	298.9	9.4
70°-80°	166.3	5.2
80°-90°	45.9	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°	988.0	30.9
0°-40°	1611.0	50.4
0°-60°	2685.2	84.0
0°-90°	3196.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3196.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1268	1268	1268	1268	1268	
5°	1263	1264	1261	1267	1268	120
15°	1222	1223	1221	1225	1226	345
25°	1134	1135	1132	1136	1136	523
35°	999	999	998	997	996	624
45°	798	800	792	790	784	614
55°	547	528	502	509	525	489
65°	325	300	283	292	312	324
75°	156	157	159	156	153	167
85°	34	40	40	39	34	42
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1267.8	1267.8	1267.8	1267.8	1267.8
2.5°	1267.0	1267.5	1264.2	1269.6	1271.4
5°	1263.3	1264.2	1261.0	1267.0	1268.3
7.5°	1257.9	1258.7	1255.6	1261.5	1262.0
10°	1248.8	1249.3	1246.5	1252.5	1253.3
12.5°	1236.7	1238.0	1234.8	1240.3	1240.6
15°	1222.0	1223.0	1220.7	1224.8	1226.1
17.5°	1204.9	1205.4	1203.0	1207.5	1208.0
20°	1183.4	1183.4	1181.6	1186.7	1186.7
22.5°	1161.7	1160.4	1159.9	1161.7	1164.5
25°	1133.7	1135.0	1131.9	1135.5	1136.3
27.5°	1106.5	1106.5	1103.7	1105.5	1103.2
30°	1075.2	1073.4	1071.6	1071.9	1069.8
32.5°	1037.5	1037.5	1036.6	1036.6	1033.8
35°	998.6	999.4	997.6	997.1	995.8
37.5°	956.7	958.2	954.9	954.1	953.1
40°	909.1	909.1	907.8	906.0	903.7
42.5°	859.7	859.7	853.9	849.3	846.2
45°	798.1	799.9	792.1	790.3	784.1
47.5°	736.8	735.5	725.1	723.8	720.1
50°	671.5	663.8	649.0	652.9	656.2
52.5°	606.3	596.7	575.0	579.4	584.9
55°	546.8	527.9	502.5	508.8	525.1
57.5°	484.7	459.3	434.0	445.8	466.1
60°	429.8	401.3	373.7	386.4	409.9
62.5°	377.3	347.0	324.7	336.9	356.9
65°	324.7	299.7	282.6	291.9	311.6
67.5°	276.6	259.8	248.1	252.6	268.4
70°	233.1	222.6	216.3	217.6	226.7
72.5°	191.8	189.1	186.8	186.8	187.7
75°	156.0	157.3	158.7	156.5	152.9
77.5°	122.9	127.4	130.7	126.0	121.6
80°	90.3	97.5	101.7	96.5	89.8
82.5°	61.6	69.9	71.2	68.0	60.3
85°	33.9	39.9	40.4	39.0	33.9
87.5°	12.7	15.0	16.3	15.0	13.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)