

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: P1050107

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050107
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-40-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

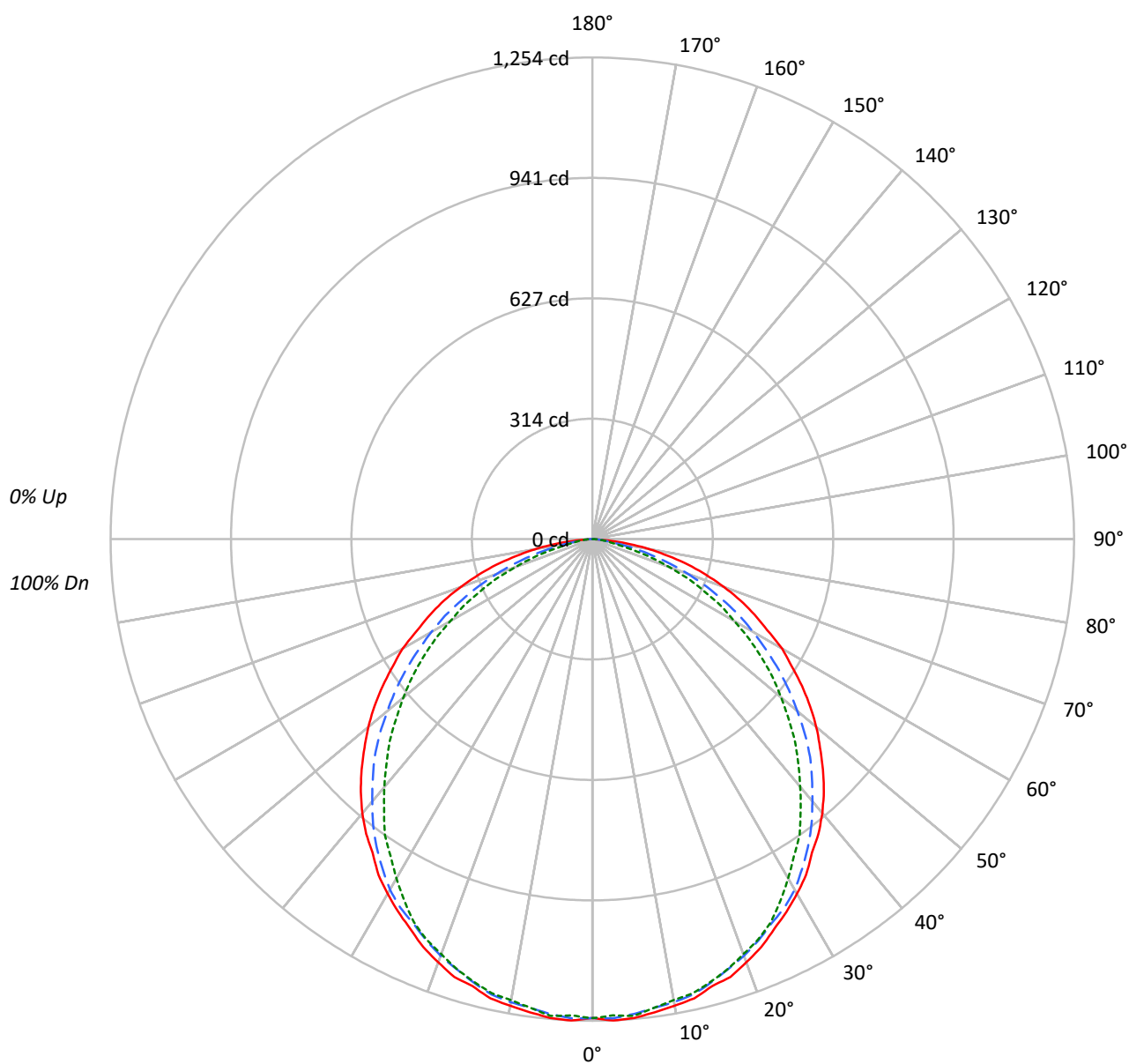
Lumens per Lamp: N/A
Luminaire Lumens: 3321.6 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3356	3356	3356
5°	3380	3353	3366
10°	3371	3345	3330
15°	3356	3329	3323
20°	3358	3305	3292
25°	3325	3277	3266
30°	3312	3275	3168
35°	3274	3216	3091
40°	3271	3131	2958
45°	3231	3050	2841
50°	3187	2913	2686
55°	3126	2777	2523
60°	3070	2598	2291
65°	2965	2383	2048
70°	2869	2075	1671
75°	2695	1638	1151
80°	2337	990	691
85°	1559	710	664

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3231 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.2	3.6
10°-20°	338.2	10.2
20°-30°	510.9	15.4
30°-40°	607.5	18.3
40°-50°	616.1	18.5
50°-60°	535.0	16.1
60°-70°	379.8	11.4
70°-80°	181.5	5.5
80°-90°	34.4	1.0
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°	967.4	29.1
0°-40°	1574.8	47.4
0°-60°	2725.9	82.1
0°-90°	3321.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3321.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1247	1247	1247	1247	1247	
5°	1251	1247	1241	1244	1246	119
15°	1205	1208	1195	1194	1193	341
25°	1120	1118	1104	1108	1100	517
35°	997	995	979	946	941	626
45°	849	842	801	759	746	655
55°	666	646	592	557	538	595
65°	466	431	374	334	322	461
75°	259	212	158	125	111	272
85°	50	27	23	22	22	64
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1247.0	1247.0	1247.0	1247.0	1247.0
2.5°	1254.4	1250.0	1248.5	1253.7	1241.1
5°	1251.4	1247.0	1241.1	1244.0	1246.2
7.5°	1242.5	1238.8	1230.7	1237.3	1230.7
10°	1233.6	1229.9	1224.0	1226.2	1218.8
12.5°	1224.7	1215.8	1214.3	1215.8	1210.6
15°	1204.7	1207.6	1195.0	1193.5	1192.8
17.5°	1195.0	1187.6	1174.2	1175.0	1173.5
20°	1172.7	1163.8	1154.2	1152.7	1149.7
22.5°	1149.7	1139.3	1130.4	1134.8	1128.2
25°	1120.0	1118.5	1103.7	1108.1	1099.9
27.5°	1094.0	1088.8	1082.1	1072.5	1060.6
30°	1065.8	1060.6	1053.9	1028.6	1019.7
32.5°	1036.1	1030.1	1016.8	987.0	977.4
35°	996.7	995.2	978.9	945.5	941.0
37.5°	967.0	950.7	937.3	903.1	890.5
40°	931.3	922.4	891.2	858.6	842.2
42.5°	892.0	881.6	845.9	811.0	793.2
45°	848.9	841.5	801.4	759.0	746.4
47.5°	804.3	797.7	750.1	709.3	692.9
50°	761.3	753.1	695.9	656.5	641.7
52.5°	714.5	701.1	644.7	606.0	591.9
55°	666.2	646.1	591.9	557.0	537.7
57.5°	615.0	596.4	536.2	499.8	484.2
60°	570.4	544.4	482.8	445.6	425.6
62.5°	513.2	490.9	432.3	388.4	378.8
65°	465.7	430.8	374.3	334.2	321.6
67.5°	417.4	376.5	319.4	278.5	271.8
70°	364.7	322.3	263.7	223.6	212.4
72.5°	311.2	269.6	212.4	170.1	163.4
75°	259.2	211.7	157.5	124.8	110.7
77.5°	202.8	159.7	110.7	76.5	67.6
80°	150.8	107.7	63.9	45.3	44.6
82.5°	98.8	62.4	34.2	34.9	33.4
85°	50.5	26.7	23.0	22.3	21.5
87.5°	9.7	10.4	11.1	11.1	11.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)