

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: P1050302

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050302
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-40-PLG-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

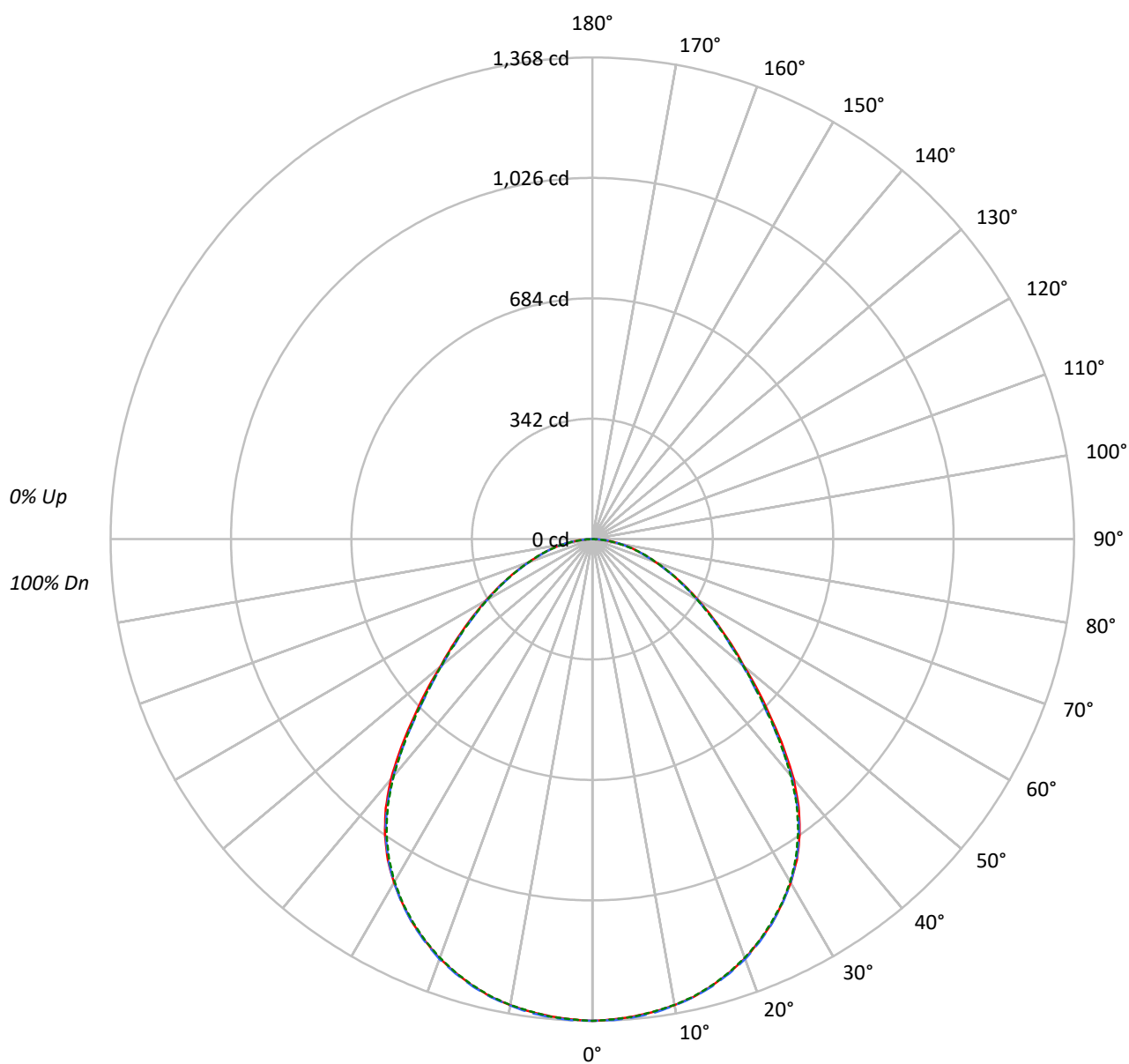
Lumens per Lamp: N/A
Luminaire Lumens: 3083.0 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3682	3682	3682
5°	3675	3683	3677
10°	3672	3675	3670
15°	3658	3663	3655
20°	3629	3635	3623
25°	3578	3581	3570
30°	3500	3500	3491
35°	3372	3362	3346
40°	3125	3091	3080
45°	2731	2686	2698
50°	2358	2329	2341
55°	2096	2064	2069
60°	1876	1850	1850
65°	1682	1670	1676
70°	1513	1497	1513
75°	1404	1383	1404
80°	1309	1294	1249
85°	1108	1108	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2731 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.5	4.2
10°-20°	370.7	12.0
20°-30°	554.6	18.0
30°-40°	635.4	20.6
40°-50°	549.6	17.8
50°-60°	397.7	12.9
60°-70°	262.0	8.5
70°-80°	142.6	4.6
80°-90°	40.9	1.3
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°	1054.8	34.2
0°-40°	1690.2	54.8
0°-60°	2637.5	85.6
0°-90°	3083.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3083.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1368	1368	1368	1368	1368	
5°	1360	1363	1363	1363	1361	129
15°	1313	1314	1315	1317	1312	370
25°	1205	1205	1206	1207	1202	554
35°	1026	1025	1024	1022	1019	638
45°	718	716	706	705	709	556
55°	447	445	440	437	441	402
65°	264	266	262	260	263	264
75°	135	135	133	133	135	144
85°	36	36	36	37	32	42
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1368.2	1368.2	1368.2	1368.2	1368.2
2.5°	1365.3	1368.2	1367.2	1368.2	1365.3
5°	1360.4	1363.3	1363.3	1363.3	1361.4
7.5°	1353.6	1355.6	1356.5	1357.5	1352.7
10°	1343.9	1345.9	1344.9	1346.8	1343.0
12.5°	1331.3	1331.3	1332.3	1334.2	1330.3
15°	1312.9	1313.8	1314.8	1316.7	1311.9
17.5°	1291.5	1292.5	1293.4	1294.4	1290.5
20°	1267.2	1267.2	1269.2	1270.1	1265.3
22.5°	1237.1	1237.1	1239.1	1242.0	1236.1
25°	1205.1	1205.1	1206.0	1207.0	1202.2
27.5°	1167.2	1167.2	1168.2	1171.1	1165.3
30°	1126.4	1125.4	1126.4	1127.4	1123.5
32.5°	1080.8	1079.8	1078.8	1079.8	1074.9
35°	1026.4	1025.4	1023.5	1022.5	1018.6
37.5°	963.3	961.3	957.4	957.4	953.6
40°	889.5	884.6	879.8	877.8	876.9
42.5°	804.0	800.1	793.3	792.4	792.4
45°	717.6	715.7	705.9	705.0	708.9
47.5°	639.9	635.1	626.3	624.4	630.2
50°	563.2	564.2	556.4	553.5	559.3
52.5°	503.0	501.1	494.3	492.3	497.2
55°	446.7	444.7	439.9	437.0	440.9
57.5°	395.2	394.2	389.4	388.4	390.4
60°	348.6	347.6	343.7	342.8	343.7
62.5°	304.9	304.9	301.0	299.1	302.0
65°	264.1	266.1	262.2	260.2	263.2
67.5°	227.2	229.2	225.3	223.3	227.2
70°	192.3	194.2	190.3	188.4	192.3
72.5°	162.2	163.1	160.2	159.3	164.1
75°	135.0	135.0	133.0	133.0	135.0
77.5°	109.7	108.8	107.8	107.8	105.8
80°	84.5	83.5	83.5	83.5	80.6
82.5°	60.2	58.3	59.2	60.2	55.3
85°	35.9	35.9	35.9	36.9	32.0
87.5°	14.6	14.6	13.6	14.6	12.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)