

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: P1050829

Luminaire Tested: 24PTR-30-PLG-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050829
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: 24PTR-30-PLG-L935-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

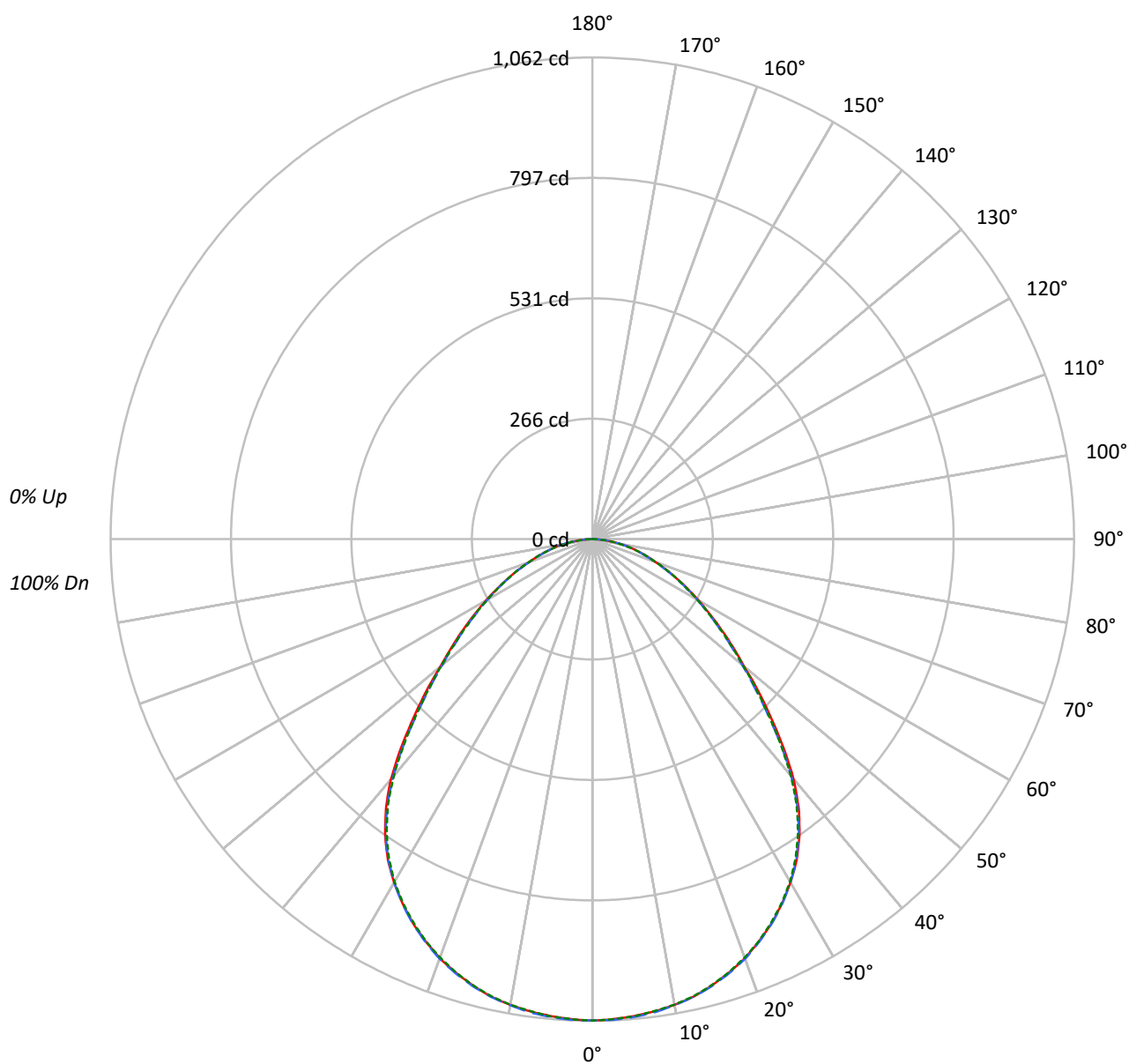
Lumens per Lamp: N/A
Luminaire Lumens: 2392.1 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24
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°	1428	1428	1428
5°	1426	1429	1427
10°	1425	1426	1424
15°	1419	1421	1418
20°	1408	1410	1406
25°	1388	1389	1385
30°	1358	1358	1354
35°	1308	1304	1298
40°	1212	1199	1195
45°	1059	1042	1047
50°	915	904	908
55°	813	801	802
60°	728	718	718
65°	652	648	650
70°	587	581	587
75°	544	536	544
80°	508	502	484
85°	431	431	384

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1059 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.5	4.2
10°-20°	287.6	12.0
20°-30°	430.3	18.0
30°-40°	493.0	20.6
40°-50°	426.4	17.8
50°-60°	308.6	12.9
60°-70°	203.3	8.5
70°-80°	110.6	4.6
80°-90°	31.7	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°	818.4	34.2
0°-40°	1311.5	54.8
0°-60°	2046.5	85.6
0°-90°	2392.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2392.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1062	1062	1062	1062	1062	
5°	1056	1058	1058	1058	1056	100
15°	1019	1019	1020	1022	1018	287
25°	935	935	936	936	933	430
35°	796	796	794	793	790	495
45°	557	555	548	547	550	431
55°	347	345	341	339	342	312
65°	205	206	203	202	204	205
75°	105	105	103	103	105	112
85°	28	28	28	29	25	32
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1061.6	1061.6	1061.6	1061.6	1061.6
2.5°	1059.4	1061.6	1060.9	1061.6	1059.4
5°	1055.6	1057.8	1057.8	1057.8	1056.3
7.5°	1050.3	1051.8	1052.6	1053.3	1049.6
10°	1042.8	1044.3	1043.5	1045.0	1042.0
12.5°	1033.0	1033.0	1033.7	1035.2	1032.2
15°	1018.7	1019.4	1020.2	1021.7	1017.9
17.5°	1002.1	1002.8	1003.6	1004.3	1001.3
20°	983.3	983.3	984.8	985.5	981.7
22.5°	959.9	959.9	961.4	963.7	959.1
25°	935.0	935.0	935.8	936.5	932.8
27.5°	905.6	905.6	906.4	908.7	904.1
30°	874.0	873.2	874.0	874.8	871.7
32.5°	838.6	837.8	837.1	837.8	834.1
35°	796.4	795.6	794.1	793.4	790.4
37.5°	747.4	745.9	742.9	742.9	739.9
40°	690.2	686.4	682.6	681.1	680.4
42.5°	623.9	620.8	615.6	614.8	614.8
45°	556.8	555.3	547.8	547.0	550.0
47.5°	496.5	492.8	486.0	484.5	489.0
50°	437.0	437.8	431.7	429.5	434.0
52.5°	390.3	388.8	383.5	382.0	385.8
55°	346.6	345.1	341.3	339.1	342.1
57.5°	306.7	305.9	302.1	301.4	302.9
60°	270.5	269.7	266.7	266.0	266.7
62.5°	236.6	236.6	233.6	232.1	234.3
65°	204.9	206.4	203.4	201.9	204.2
67.5°	176.3	177.8	174.8	173.3	176.3
70°	149.2	150.7	147.7	146.2	149.2
72.5°	125.8	126.6	124.3	123.6	127.3
75°	104.7	104.7	103.2	103.2	104.7
77.5°	85.1	84.4	83.6	83.6	82.1
80°	65.6	64.8	64.8	64.8	62.5
82.5°	46.7	45.2	46.0	46.7	42.9
85°	27.9	27.9	27.9	28.6	24.9
87.5°	11.3	11.3	10.5	11.3	9.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)