

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: P1050830

Luminaire Tested: 24PTR-35-PLG-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050830
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-35-PLG-L935-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

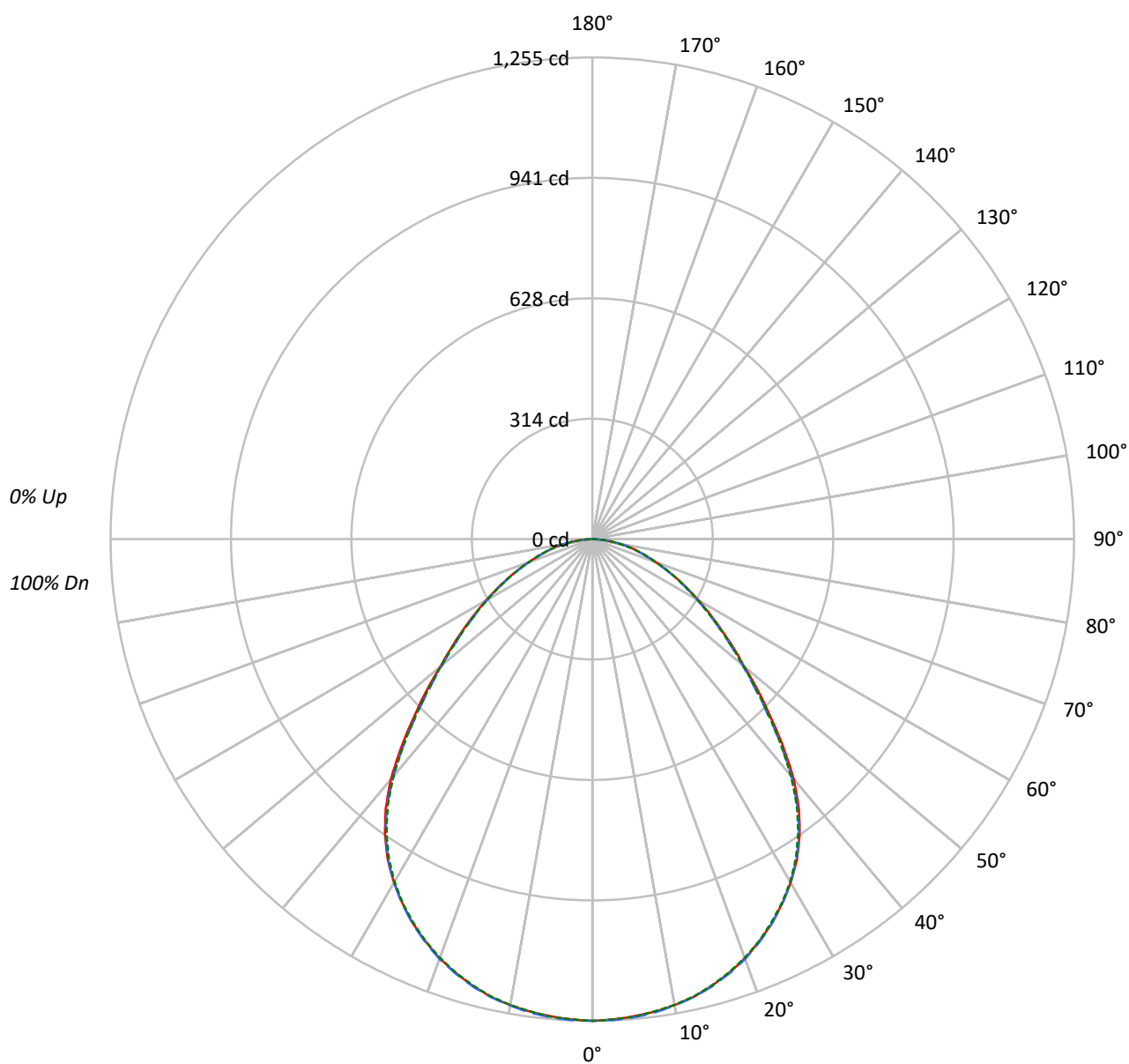
Lumens per Lamp: N/A
Luminaire Lumens: 2828.2 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86	84	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74	72	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64	62	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56	54	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49	47	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43	41	43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39	37	39
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35	33	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32	30	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29	27	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1689	1689	1689
5°	1686	1689	1687
10°	1684	1686	1683
15°	1678	1680	1676
20°	1665	1667	1662
25°	1641	1643	1637
30°	1605	1605	1601
35°	1547	1542	1535
40°	1433	1418	1413
45°	1253	1232	1237
50°	1082	1068	1074
55°	961	947	949
60°	861	848	848
65°	771	766	769
70°	694	687	694
75°	644	634	644
80°	600	594	573
85°	509	509	454

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1253 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.8	4.2
10°-20°	340.0	12.0
20°-30°	508.8	18.0
30°-40°	582.9	20.6
40°-50°	504.1	17.8
50°-60°	364.9	12.9
60°-70°	240.3	8.5
70°-80°	130.8	4.6
80°-90°	37.5	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°	967.7	34.2
0°-40°	1550.6	54.8
0°-60°	2419.6	85.6
0°-90°	2828.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2828.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1255	1255	1255	1255	1255	
5°	1248	1251	1251	1251	1249	119
15°	1204	1205	1206	1208	1204	340
25°	1106	1106	1106	1107	1103	508
35°	942	941	939	938	934	585
45°	658	656	648	647	650	510
55°	410	408	404	401	404	369
65°	242	244	240	239	241	242
75°	124	124	122	122	124	132
85°	33	33	33	34	29	38
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1255.2	1255.2	1255.2	1255.2	1255.2
2.5°	1252.5	1255.2	1254.3	1255.2	1252.5
5°	1248.0	1250.7	1250.7	1250.7	1248.9
7.5°	1241.8	1243.6	1244.5	1245.4	1240.9
10°	1232.9	1234.7	1233.8	1235.6	1232.0
12.5°	1221.3	1221.3	1222.2	1224.0	1220.4
15°	1204.4	1205.3	1206.2	1207.9	1203.5
17.5°	1184.8	1185.7	1186.6	1187.5	1183.9
20°	1162.5	1162.5	1164.3	1165.2	1160.7
22.5°	1134.9	1134.9	1136.7	1139.4	1134.0
25°	1105.5	1105.5	1106.4	1107.3	1102.8
27.5°	1070.8	1070.8	1071.7	1074.3	1069.0
30°	1033.3	1032.5	1033.3	1034.2	1030.7
32.5°	991.5	990.6	989.7	990.6	986.1
35°	941.6	940.7	938.9	938.0	934.5
37.5°	883.7	881.9	878.3	878.3	874.8
40°	816.0	811.5	807.1	805.3	804.4
42.5°	737.6	734.0	727.8	726.9	726.9
45°	658.3	656.5	647.6	646.7	650.3
47.5°	587.0	582.6	574.6	572.8	578.1
50°	516.7	517.6	510.4	507.8	513.1
52.5°	461.4	459.7	453.4	451.6	456.1
55°	409.8	408.0	403.5	400.9	404.4
57.5°	362.6	361.7	357.2	356.3	358.1
60°	319.8	318.9	315.3	314.5	315.3
62.5°	279.7	279.7	276.2	274.4	277.0
65°	242.3	244.1	240.5	238.7	241.4
67.5°	208.5	210.2	206.7	204.9	208.5
70°	176.4	178.2	174.6	172.8	176.4
72.5°	148.8	149.7	147.0	146.1	150.5
75°	123.8	123.8	122.0	122.0	123.8
77.5°	100.7	99.8	98.9	98.9	97.1
80°	77.5	76.6	76.6	76.6	73.9
82.5°	55.2	53.4	54.3	55.2	50.8
85°	33.0	33.0	33.0	33.9	29.4
87.5°	13.4	13.4	12.5	13.4	11.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)