

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: P1050961

Luminaire Tested: 24PTR-30-PR1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050961
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-PR1-L850-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

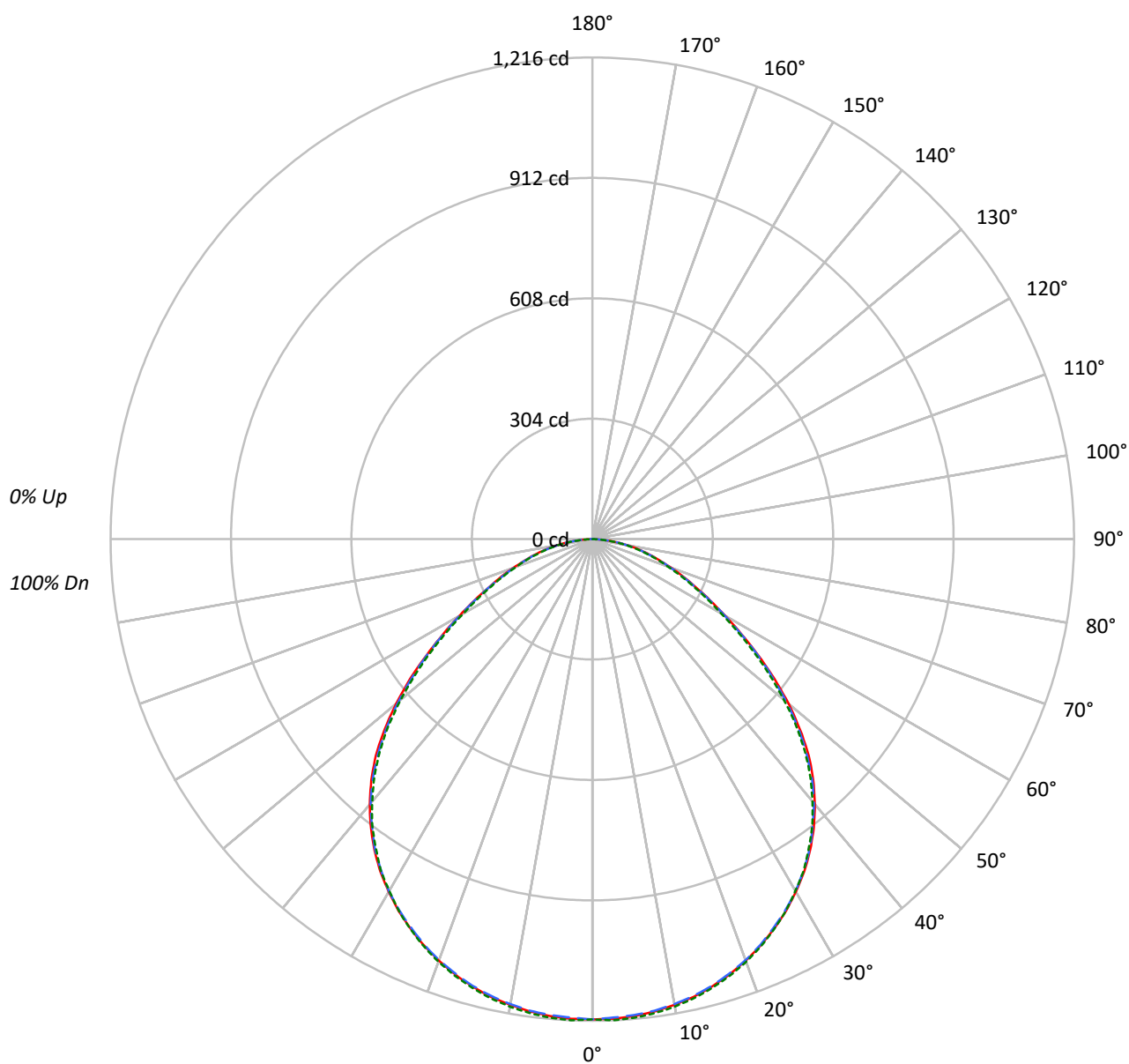
Lumens per Lamp: N/A
Luminaire Lumens: 3066.2 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	88	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1631	1631	1631
5°	1633	1629	1638
10°	1631	1629	1637
15°	1628	1626	1634
20°	1622	1620	1626
25°	1611	1607	1613
30°	1597	1595	1593
35°	1575	1571	1565
40°	1535	1529	1518
45°	1471	1454	1444
50°	1353	1338	1322
55°	1198	1193	1169
60°	1041	1037	1009
65°	917	912	894
70°	832	821	804
75°	771	753	739
80°	704	693	670
85°	556	551	530

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1471 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.0	3.8
10°-20°	330.1	10.8
20°-30°	500.1	16.3
30°-40°	597.0	19.5
40°-50°	587.1	19.1
50°-60°	453.8	14.8
60°-70°	286.1	9.3
70°-80°	154.8	5.0
80°-90°	42.3	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°	945.2	30.8
0°-40°	1542.2	50.3
0°-60°	2583.0	84.2
0°-90°	3066.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3066.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1212	1212	1212	1212	1212	
5°	1209	1209	1206	1212	1213	115
15°	1169	1169	1167	1171	1173	330
25°	1085	1086	1082	1086	1086	500
35°	959	959	956	955	952	599
45°	773	770	764	758	759	592
55°	511	515	508	500	498	458
65°	288	289	286	282	281	290
75°	148	146	145	146	142	158
85°	36	36	36	36	34	43
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1212.4	1212.4	1212.4	1212.4	1212.4
2.5°	1211.9	1212.4	1208.9	1214.6	1215.9
5°	1208.9	1209.4	1206.3	1211.5	1212.9
7.5°	1202.8	1203.7	1200.7	1205.9	1207.2
10°	1194.1	1195.0	1192.0	1197.3	1198.5
12.5°	1183.4	1183.7	1181.1	1185.9	1187.1
15°	1169.0	1169.3	1167.3	1171.0	1172.8
17.5°	1152.4	1152.9	1149.9	1154.6	1155.4
20°	1132.5	1132.8	1131.1	1135.0	1135.5
22.5°	1110.3	1111.2	1108.5	1112.0	1112.5
25°	1085.2	1085.9	1082.5	1085.9	1086.4
27.5°	1058.6	1058.9	1055.9	1058.6	1058.2
30°	1027.7	1030.4	1026.4	1025.5	1025.2
32.5°	995.6	995.9	992.2	991.2	992.9
35°	958.7	959.0	956.5	955.2	952.5
37.5°	918.3	918.3	913.4	912.6	912.1
40°	873.9	873.4	870.4	867.4	864.3
42.5°	825.6	826.5	820.4	815.2	814.4
45°	773.0	770.0	764.3	758.3	758.8
47.5°	711.0	711.8	704.0	699.1	697.9
50°	646.5	646.5	639.3	634.1	631.4
52.5°	579.3	579.8	572.8	565.9	564.4
55°	510.6	514.9	508.4	500.2	498.4
57.5°	446.3	449.8	443.7	435.0	434.5
60°	386.8	387.1	385.4	377.2	375.0
62.5°	336.0	333.8	332.8	328.6	325.9
65°	288.1	288.6	286.4	281.5	280.7
67.5°	249.5	249.0	245.0	242.0	240.3
70°	211.6	210.3	208.6	206.0	204.3
72.5°	177.8	177.8	176.4	175.6	172.6
75°	148.3	146.5	144.8	145.6	142.1
77.5°	120.0	118.3	116.8	115.1	114.3
80°	90.8	89.0	89.5	86.8	86.5
82.5°	63.0	63.0	62.2	60.0	60.5
85°	36.0	36.5	35.7	36.0	34.3
87.5°	13.1	13.4	14.4	13.4	13.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)