

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: P1050950

Luminaire Tested: 24PTR-30-PR1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050950
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-L840-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

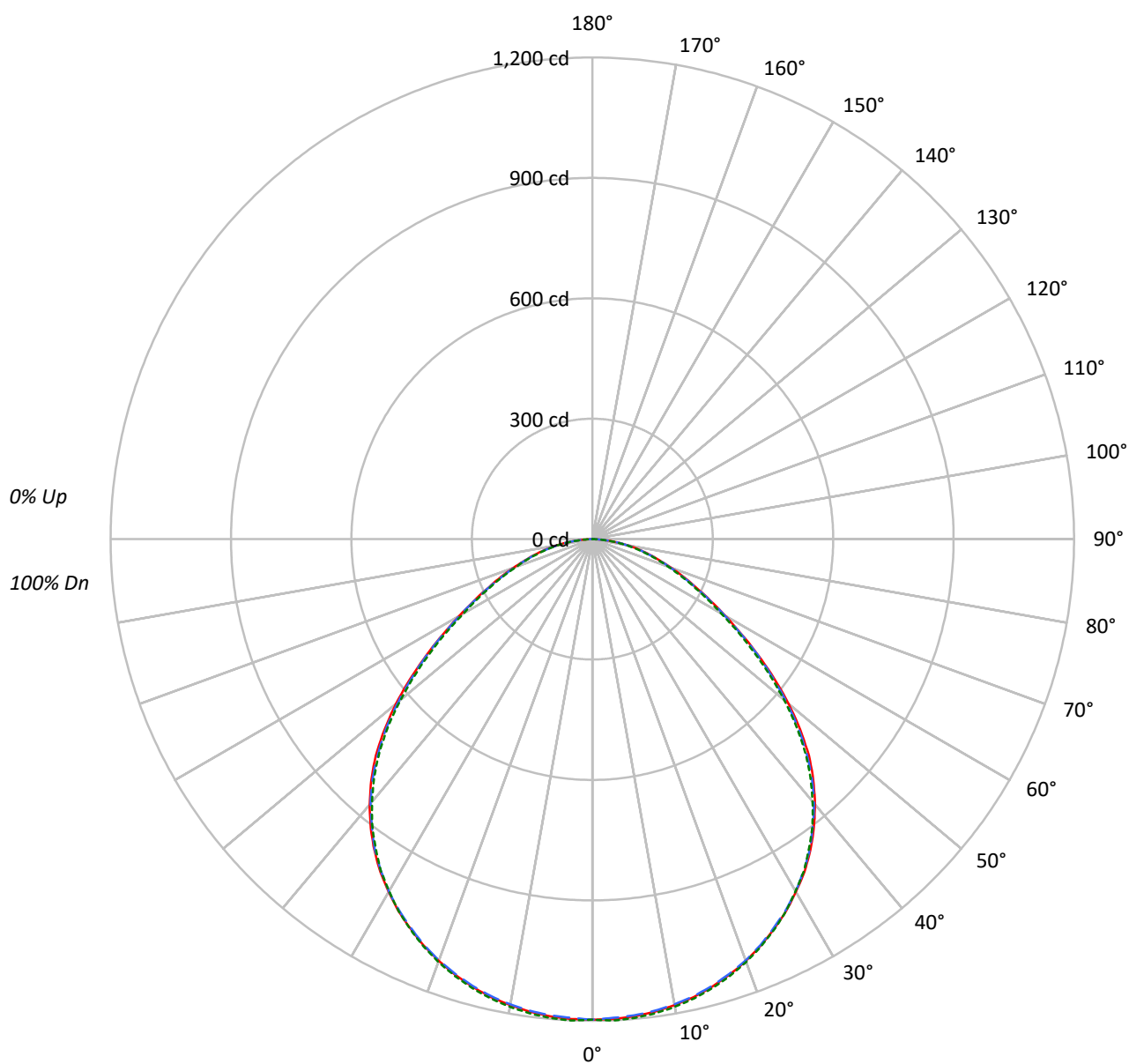
Lumens per Lamp: N/A
Luminaire Lumens: 3027.3 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1611	1611	1611
5°	1612	1609	1617
10°	1611	1608	1617
15°	1608	1605	1613
20°	1601	1599	1605
25°	1591	1587	1593
30°	1576	1574	1573
35°	1555	1551	1545
40°	1515	1509	1499
45°	1452	1436	1426
50°	1336	1321	1305
55°	1183	1178	1154
60°	1028	1024	996
65°	906	900	883
70°	822	810	793
75°	761	743	729
80°	694	685	662
85°	548	543	522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1452 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.5	3.8
10°-20°	325.9	10.8
20°-30°	493.7	16.3
30°-40°	589.4	19.5
40°-50°	579.7	19.1
50°-60°	448.0	14.8
60°-70°	282.5	9.3
70°-80°	152.8	5.0
80°-90°	41.7	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°	933.2	30.8
0°-40°	1522.6	50.3
0°-60°	2550.3	84.2
0°-90°	3027.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3027.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1197	1197	1197	1197	1197	
5°	1194	1194	1191	1196	1198	113
15°	1154	1154	1152	1156	1158	326
25°	1071	1072	1069	1072	1073	494
35°	947	947	944	943	940	591
45°	763	760	755	749	749	584
55°	504	508	502	494	492	452
65°	284	285	283	278	277	286
75°	146	145	143	144	140	155
85°	36	36	35	36	34	42
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1197.1	1197.1	1197.1	1197.1	1197.1
2.5°	1196.6	1197.1	1193.6	1199.2	1200.5
5°	1193.6	1194.1	1191.0	1196.1	1197.5
7.5°	1187.6	1188.5	1185.5	1190.7	1191.9
10°	1179.0	1179.9	1177.0	1182.1	1183.3
12.5°	1168.4	1168.7	1166.2	1170.9	1172.1
15°	1154.2	1154.5	1152.5	1156.2	1157.9
17.5°	1137.8	1138.3	1135.3	1140.0	1140.8
20°	1118.2	1118.5	1116.8	1120.7	1121.1
22.5°	1096.2	1097.1	1094.5	1097.9	1098.4
25°	1071.4	1072.2	1068.8	1072.2	1072.7
27.5°	1045.2	1045.5	1042.6	1045.2	1044.8
30°	1014.7	1017.3	1013.4	1012.5	1012.2
32.5°	983.0	983.3	979.6	978.7	980.4
35°	946.6	946.9	944.4	943.1	940.5
37.5°	906.6	906.6	901.8	901.0	900.6
40°	862.8	862.4	859.4	856.5	853.3
42.5°	815.1	816.1	810.0	804.9	804.1
45°	763.2	760.3	754.7	748.7	749.2
47.5°	702.0	702.7	695.1	690.3	689.0
50°	638.4	638.4	631.2	626.0	623.4
52.5°	572.0	572.4	565.6	558.7	557.3
55°	504.1	508.4	502.0	493.9	492.1
57.5°	440.7	444.1	438.0	429.5	429.0
60°	381.9	382.2	380.5	372.4	370.2
62.5°	331.7	329.5	328.6	324.4	321.8
65°	284.5	285.0	282.8	277.9	277.2
67.5°	246.3	245.8	241.9	239.0	237.3
70°	208.9	207.6	205.9	203.4	201.7
72.5°	175.5	175.5	174.1	173.3	170.4
75°	146.4	144.7	142.9	143.7	140.3
77.5°	118.5	116.8	115.4	113.6	112.9
80°	89.6	87.9	88.4	85.7	85.4
82.5°	62.2	62.2	61.4	59.2	59.7
85°	35.5	36.0	35.2	35.5	33.8
87.5°	12.9	13.3	14.2	13.3	13.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)