

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: P1050565

Luminaire Tested: 24PTR-30-PB1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050565
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-PB1-L840-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

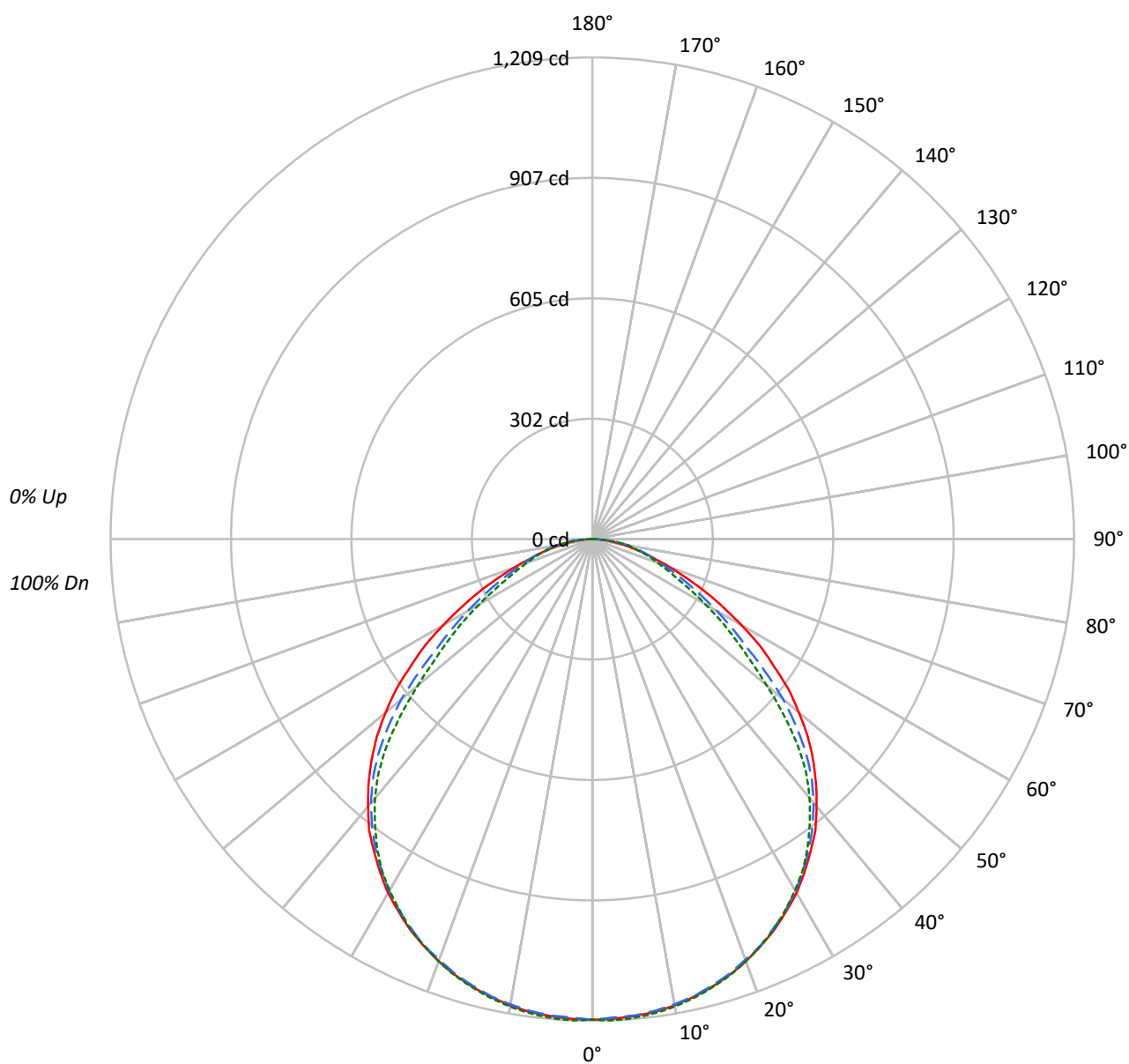
Lumens per Lamp: N/A
Luminaire Lumens: 3008.0 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1623	1623	1623
5°	1623	1621	1629
10°	1624	1620	1628
15°	1620	1616	1622
20°	1615	1608	1615
25°	1606	1599	1603
30°	1593	1584	1581
35°	1569	1557	1548
40°	1538	1517	1490
45°	1491	1443	1383
50°	1416	1307	1196
55°	1305	1110	1030
60°	1162	970	882
65°	997	841	751
70°	823	742	689
75°	694	710	671
80°	587	724	690
85°	460	733	642

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1491 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.4	3.8
10°-20°	328.2	10.9
20°-30°	497.2	16.5
30°-40°	592.4	19.7
40°-50°	579.3	19.3
50°-60°	438.2	14.6
60°-70°	269.2	8.9
70°-80°	143.4	4.8
80°-90°	45.8	1.5
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°	939.7	31.2
0°-40°	1532.1	50.9
0°-60°	2549.6	84.8
0°-90°	3008.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3008.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1206	1206	1206	1206	1206	
5°	1202	1203	1200	1205	1206	114
15°	1163	1165	1160	1165	1165	328
25°	1082	1080	1077	1079	1080	498
35°	956	954	948	944	942	598
45°	783	779	758	733	727	603
55°	556	528	473	447	439	498
65°	313	288	264	243	236	312
75°	134	135	136	132	129	143
85°	30	39	48	45	42	36
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1206.3	1206.3	1206.3	1206.3	1206.3
2.5°	1204.9	1206.3	1201.8	1207.9	1209.3
5°	1201.8	1203.3	1200.4	1204.9	1206.3
7.5°	1197.4	1197.4	1194.5	1198.8	1200.4
10°	1188.5	1188.5	1185.6	1189.9	1191.5
12.5°	1176.7	1176.7	1175.1	1178.1	1179.7
15°	1163.3	1164.7	1160.3	1164.7	1164.7
17.5°	1147.0	1145.5	1144.0	1147.0	1148.5
20°	1127.6	1127.6	1123.3	1126.2	1127.6
22.5°	1105.4	1105.4	1104.0	1105.4	1104.0
25°	1081.7	1080.1	1077.2	1078.7	1080.1
27.5°	1053.5	1053.5	1050.5	1050.5	1049.0
30°	1025.3	1023.7	1019.4	1016.4	1017.8
32.5°	991.2	989.6	985.3	982.3	983.7
35°	955.5	954.1	948.2	943.7	942.3
37.5°	920.0	915.5	908.0	902.1	896.2
40°	875.4	870.9	863.6	850.2	848.6
42.5°	830.9	826.5	814.5	798.3	793.8
45°	783.4	779.0	758.1	732.9	727.0
47.5°	732.9	725.6	692.9	661.7	649.9
50°	676.7	663.3	624.6	584.6	571.2
52.5°	621.7	598.0	547.5	511.9	498.6
55°	556.4	528.2	473.4	446.6	439.1
57.5°	498.6	460.0	415.4	388.8	382.9
60°	431.8	396.1	360.6	336.8	327.9
62.5°	370.9	339.7	310.1	289.3	279.0
65°	313.1	287.9	264.2	243.3	236.0
67.5°	256.7	243.3	224.0	207.8	203.3
70°	209.2	201.7	188.5	181.0	175.1
72.5°	166.2	169.2	160.3	157.3	152.8
75°	133.5	135.1	136.5	132.1	129.1
77.5°	100.9	108.3	114.2	111.2	108.3
80°	75.7	83.0	93.5	89.1	89.1
82.5°	51.9	60.9	69.8	66.8	65.3
85°	29.8	38.6	47.5	44.6	41.6
87.5°	11.8	19.3	20.7	20.7	19.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)