

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: P1051027

Luminaire Tested: 24PTR-30-PW1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051027
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-PW1-L840-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

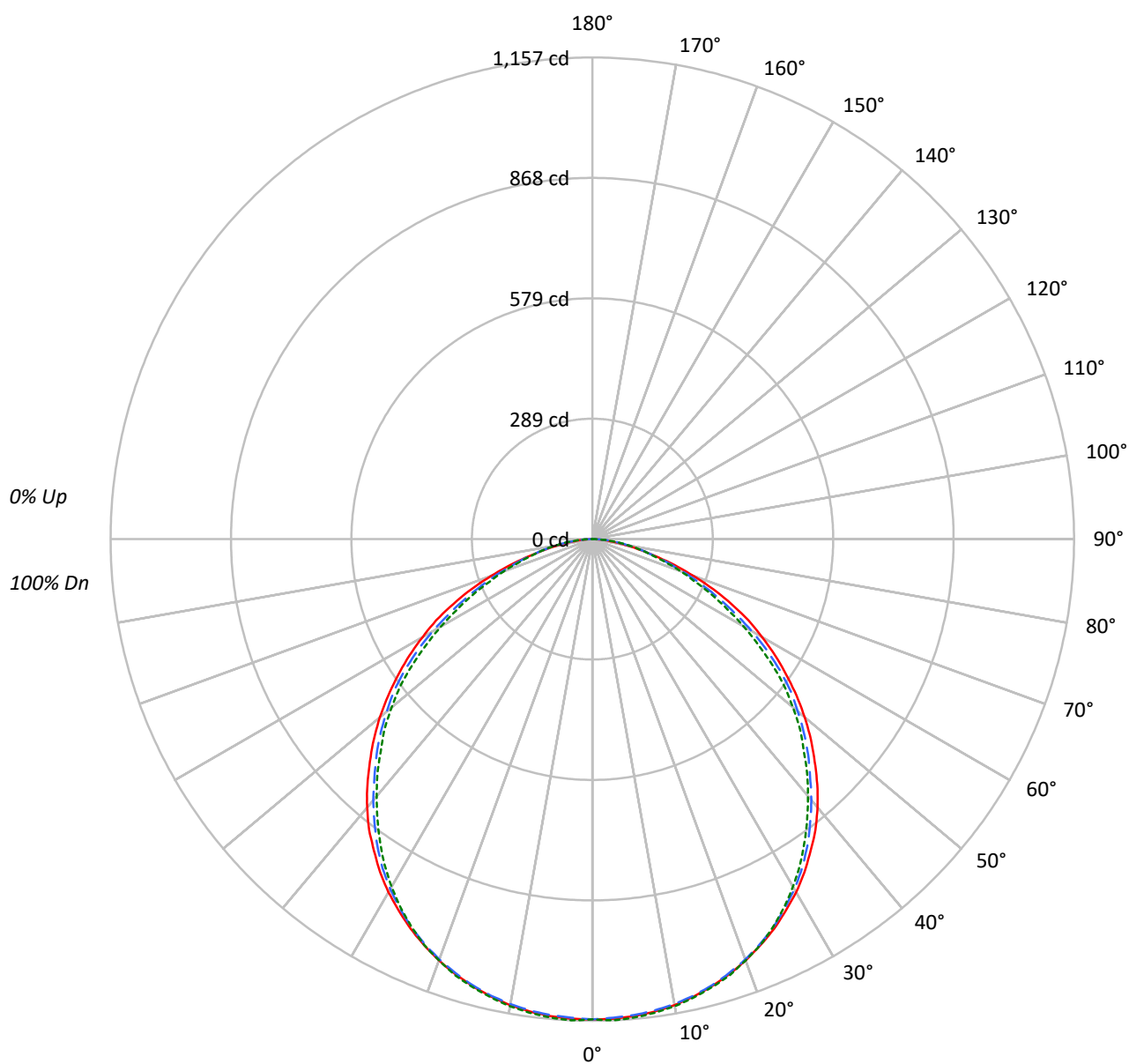
Lumens per Lamp: N/A
Luminaire Lumens: 3061.3 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1552	1552	1552
5°	1553	1550	1558
10°	1553	1549	1557
15°	1548	1546	1551
20°	1542	1538	1542
25°	1533	1527	1526
30°	1521	1508	1498
35°	1501	1478	1460
40°	1478	1438	1415
45°	1437	1395	1366
50°	1394	1348	1317
55°	1336	1290	1239
60°	1266	1192	1129
65°	1172	1064	1011
70°	1015	926	891
75°	810	793	771
80°	616	688	688
85°	455	588	588

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1437 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.4	3.6
10°-20°	313.8	10.3
20°-30°	474.2	15.5
30°-40°	563.1	18.4
40°-50°	567.3	18.5
50°-60°	490.4	16.0
60°-70°	335.1	10.9
70°-80°	165.3	5.4
80°-90°	42.7	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°	897.4	29.3
0°-40°	1460.5	47.7
0°-60°	2518.2	82.3
0°-90°	3061.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3061.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1154	1154	1154	1154	1154	
5°	1150	1151	1148	1152	1154	109
15°	1111	1113	1110	1114	1114	314
25°	1033	1032	1028	1029	1028	476
35°	914	911	900	892	889	572
45°	755	747	733	724	718	583
55°	569	568	550	534	528	509
65°	368	355	334	320	318	363
75°	156	155	152	152	148	170
85°	30	35	38	39	38	36
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1153.6	1153.6	1153.6	1153.6	1153.6
2.5°	1153.2	1153.6	1150.6	1155.7	1157.0
5°	1150.1	1150.6	1147.7	1152.3	1153.6
7.5°	1144.7	1145.5	1142.1	1146.7	1147.7
10°	1136.5	1136.9	1134.0	1138.6	1139.6
12.5°	1125.4	1125.8	1123.3	1127.5	1127.5
15°	1111.3	1112.6	1109.6	1113.5	1113.8
17.5°	1095.5	1095.9	1093.0	1097.2	1098.1
20°	1076.7	1076.7	1074.2	1077.6	1076.7
22.5°	1055.7	1055.7	1052.8	1054.5	1055.2
25°	1032.7	1031.8	1028.4	1029.3	1027.6
27.5°	1006.2	1006.2	1000.1	1000.1	997.2
30°	979.3	977.1	970.7	966.9	963.9
32.5°	948.4	945.4	937.4	930.5	928.3
35°	913.9	910.8	900.1	892.0	888.6
37.5°	880.5	873.7	859.5	851.5	847.6
40°	841.5	833.0	818.5	807.3	805.6
42.5°	799.7	792.9	774.1	765.9	763.9
45°	755.3	747.1	733.0	724.4	718.0
47.5°	711.7	705.6	689.5	679.2	677.0
50°	665.9	660.7	644.1	633.1	629.2
52.5°	618.5	615.1	600.9	586.8	582.1
55°	569.4	567.7	550.1	533.8	528.2
57.5°	521.1	518.9	497.0	478.2	473.1
60°	470.6	464.2	442.8	425.3	419.7
62.5°	422.8	409.1	386.0	372.3	365.9
65°	368.0	354.7	334.2	319.6	317.6
67.5°	314.2	298.4	282.5	273.5	266.7
70°	258.1	247.4	235.5	227.9	226.6
72.5°	206.0	198.3	192.3	187.6	183.7
75°	155.9	154.7	152.5	152.5	148.3
77.5°	114.6	117.6	119.3	118.8	119.8
80°	79.5	85.4	88.8	89.3	88.8
82.5°	50.5	57.3	62.9	63.7	64.6
85°	29.5	34.6	38.1	38.8	38.1
87.5°	13.2	16.6	17.6	18.3	17.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)