

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: P1050488

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050488
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-L840-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

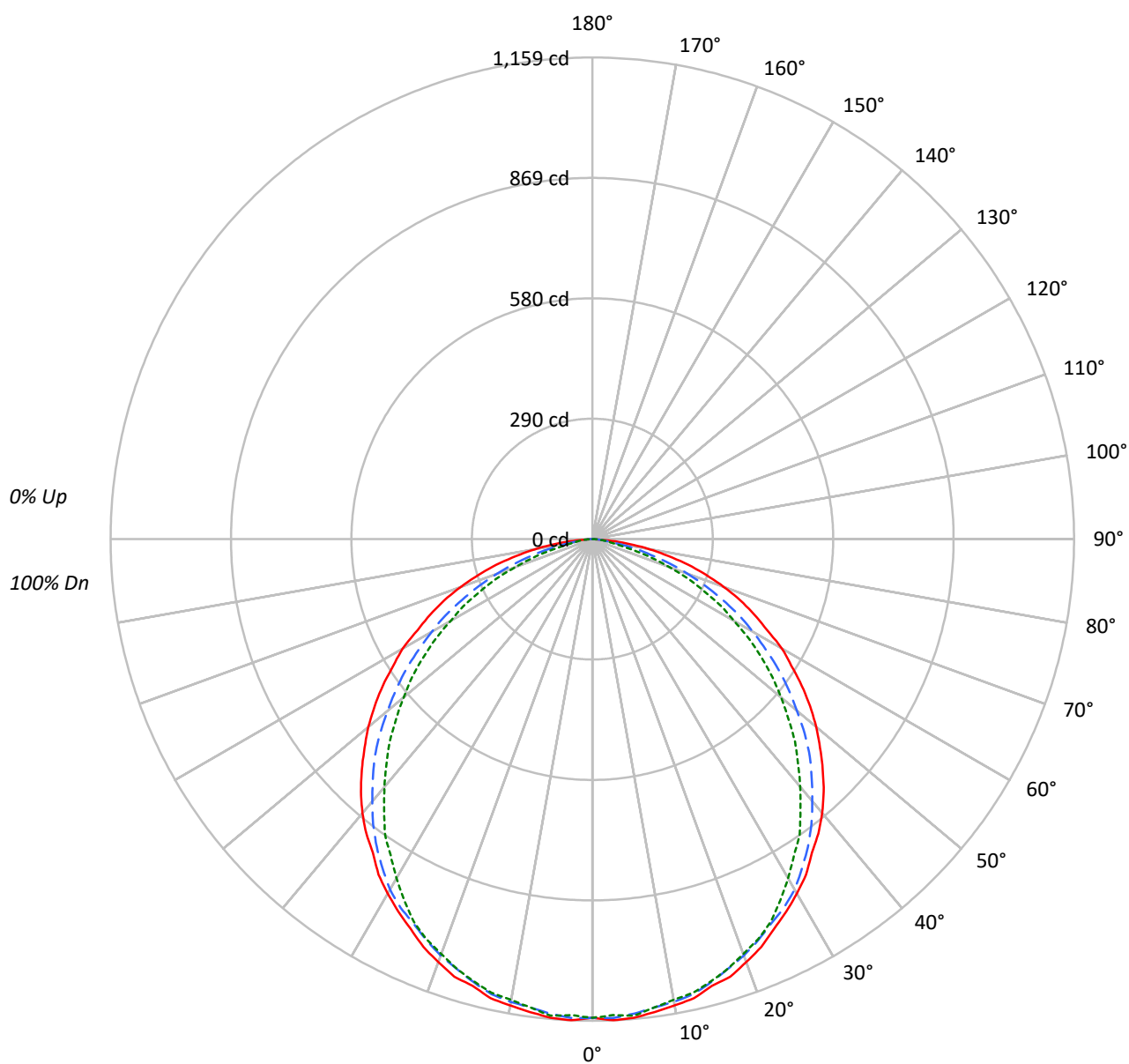
Lumens per Lamp: N/A
Luminaire Lumens: 3068.1 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
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	56	68	61	56	66	60	55	64	58	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	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	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1550	1550	1550
5°	1561	1548	1555
10°	1557	1545	1538
15°	1550	1538	1535
20°	1551	1526	1521
25°	1536	1513	1508
30°	1530	1512	1463
35°	1512	1485	1428
40°	1511	1446	1366
45°	1492	1408	1312
50°	1472	1346	1241
55°	1444	1283	1165
60°	1418	1200	1058
65°	1369	1101	946
70°	1325	958	772
75°	1245	756	531
80°	1079	457	319
85°	719	329	307

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1492 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.2	3.6
10°-20°	312.4	10.2
20°-30°	471.9	15.4
30°-40°	561.1	18.3
40°-50°	569.1	18.5
50°-60°	494.2	16.1
60°-70°	350.8	11.4
70°-80°	167.6	5.5
80°-90°	31.8	1.0
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°	893.5	29.1
0°-40°	1454.7	47.4
0°-60°	2517.9	82.1
0°-90°	3068.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3068.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1152	1152	1152	1152	1152	
5°	1156	1152	1146	1149	1151	110
15°	1113	1116	1104	1102	1102	315
25°	1034	1033	1019	1024	1016	478
35°	921	919	904	873	869	578
45°	784	777	740	701	690	605
55°	615	597	547	514	497	550
65°	430	398	346	309	297	426
75°	239	196	145	115	102	251
85°	47	25	21	21	20	59
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1151.8	1151.8	1151.8	1151.8	1151.8
2.5°	1158.7	1154.6	1153.2	1158.0	1146.4
5°	1156.0	1151.8	1146.4	1149.1	1151.2
7.5°	1147.7	1144.3	1136.8	1142.9	1136.8
10°	1139.5	1136.1	1130.6	1132.6	1125.8
12.5°	1131.3	1123.0	1121.7	1123.0	1118.2
15°	1112.7	1115.5	1103.8	1102.4	1101.8
17.5°	1103.8	1097.0	1084.6	1085.3	1083.9
20°	1083.2	1075.0	1066.1	1064.7	1062.0
22.5°	1062.0	1052.4	1044.1	1048.3	1042.1
25°	1034.5	1033.2	1019.4	1023.6	1016.0
27.5°	1010.5	1005.7	999.5	990.6	979.6
30°	984.5	979.6	973.5	950.2	941.9
32.5°	957.0	951.5	939.2	911.7	902.8
35°	920.7	919.3	904.2	873.3	869.2
37.5°	893.2	878.1	865.8	834.2	822.5
40°	860.3	852.0	823.2	793.0	778.0
42.5°	823.9	814.3	781.4	749.1	732.7
45°	784.1	777.3	740.2	701.1	689.5
47.5°	743.0	736.8	692.9	655.2	640.1
50°	703.2	695.6	642.8	606.4	592.7
52.5°	660.0	647.6	595.5	559.8	546.8
55°	615.4	596.8	546.8	514.5	496.7
57.5°	568.0	550.9	495.3	461.7	447.3
60°	526.9	502.9	445.9	411.6	393.1
62.5°	474.0	453.5	399.3	358.8	349.9
65°	430.1	397.9	345.8	308.7	297.1
67.5°	385.5	347.8	295.0	257.3	251.1
70°	336.8	297.7	243.5	206.5	196.2
72.5°	287.4	249.0	196.2	157.1	150.9
75°	239.4	195.5	145.4	115.3	102.2
77.5°	187.3	147.5	102.2	70.7	62.4
80°	139.3	99.5	59.0	41.8	41.2
82.5°	91.2	57.6	31.6	32.2	30.9
85°	46.6	24.7	21.3	20.6	19.9
87.5°	8.9	9.6	10.3	10.3	10.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)