

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: P1050631

Luminaire Tested: 24PTR-30-PC3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050631
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-PC3-L835-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

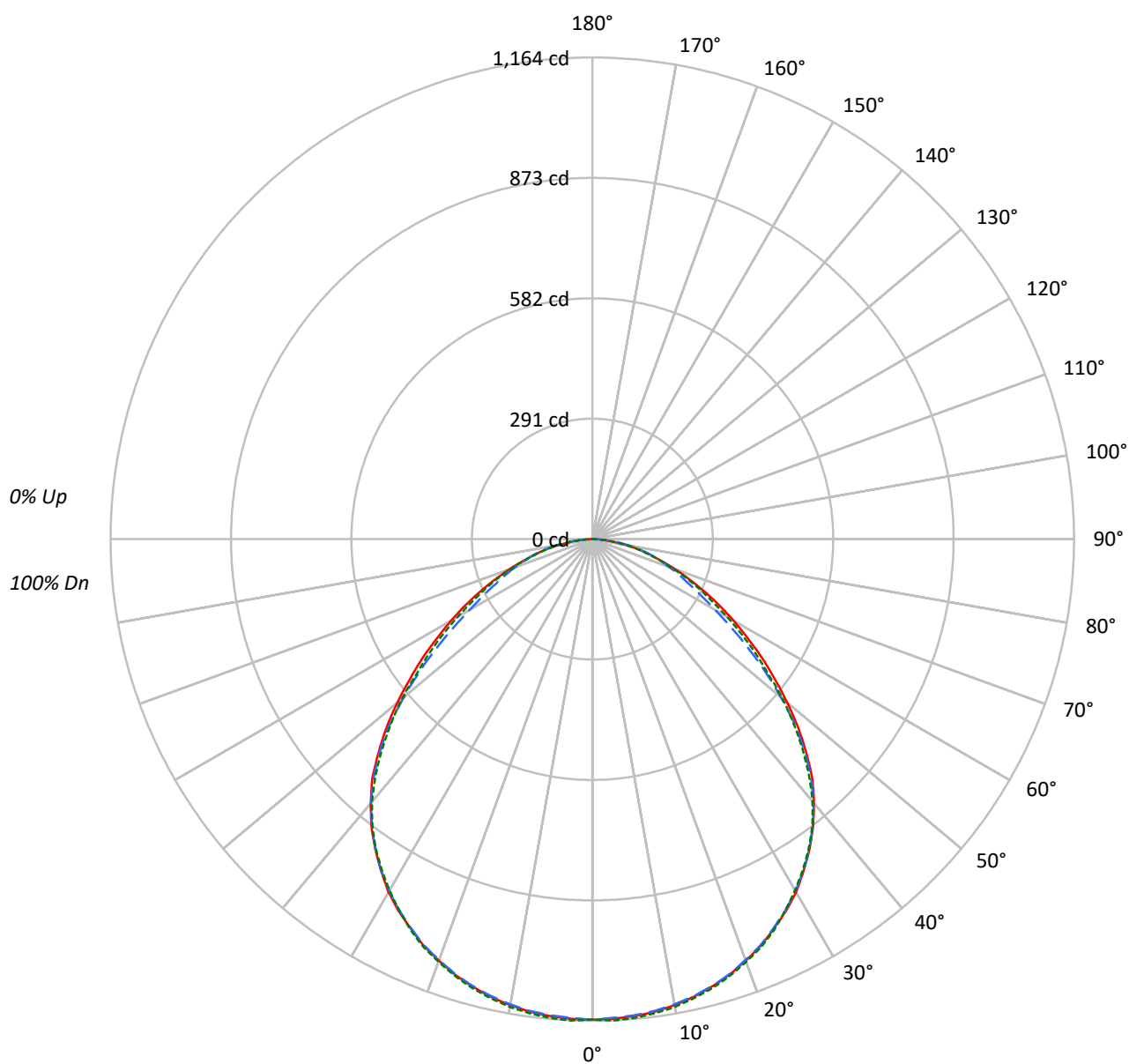
Lumens per Lamp: N/A
Luminaire Lumens: 2927.4 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1562	1562	1562
5°	1563	1560	1569
10°	1563	1560	1568
15°	1559	1557	1564
20°	1552	1550	1556
25°	1541	1539	1545
30°	1530	1525	1522
35°	1502	1501	1498
40°	1463	1460	1454
45°	1391	1380	1366
50°	1288	1244	1258
55°	1175	1080	1128
60°	1059	921	1010
65°	947	824	909
70°	840	779	817
75°	743	755	728
80°	641	721	637
85°	480	571	480

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1394 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.1	3.8
10°-20°	316.1	10.8
20°-30°	478.6	16.3
30°-40°	570.6	19.5
40°-50°	557.6	19.0
50°-60°	426.3	14.6
60°-70°	273.7	9.4
70°-80°	152.3	5.2
80°-90°	42.1	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°	904.9	30.9
0°-40°	1475.5	50.4
0°-60°	2459.4	84.0
0°-90°	2927.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2927.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1161	1161	1161	1161	1161	
5°	1157	1158	1155	1160	1162	110
15°	1119	1120	1118	1122	1123	316
25°	1038	1040	1037	1040	1041	479
35°	915	915	914	913	912	571
45°	731	733	726	724	718	562
55°	501	484	460	466	481	448
65°	297	274	259	267	285	297
75°	143	144	145	143	140	153
85°	31	36	37	36	31	38
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1161.2	1161.2	1161.2	1161.2	1161.2
2.5°	1160.4	1160.9	1157.9	1162.8	1164.5
5°	1157.1	1157.9	1155.0	1160.4	1161.6
7.5°	1152.1	1152.9	1150.0	1155.4	1155.9
10°	1143.8	1144.3	1141.7	1147.1	1147.9
12.5°	1132.7	1133.9	1131.0	1136.0	1136.3
15°	1119.2	1120.1	1118.0	1121.8	1123.0
17.5°	1103.5	1104.0	1101.9	1105.9	1106.4
20°	1083.9	1083.9	1082.3	1086.9	1086.9
22.5°	1064.0	1062.8	1062.3	1064.0	1066.6
25°	1038.3	1039.5	1036.7	1040.0	1040.8
27.5°	1013.4	1013.4	1010.9	1012.5	1010.4
30°	984.8	983.1	981.4	981.8	979.8
32.5°	950.2	950.2	949.5	949.5	946.9
35°	914.6	915.4	913.7	913.2	912.0
37.5°	876.3	877.6	874.6	873.9	873.0
40°	832.7	832.7	831.5	829.8	827.7
42.5°	787.4	787.4	782.1	777.9	775.0
45°	731.0	732.6	725.5	723.9	718.1
47.5°	674.8	673.6	664.1	662.9	659.6
50°	615.1	608.0	594.4	598.0	601.0
52.5°	555.3	546.6	526.6	530.7	535.7
55°	500.8	483.5	460.2	466.0	480.9
57.5°	443.9	420.7	397.5	408.3	426.9
60°	393.7	367.6	342.2	353.9	375.4
62.5°	345.6	317.8	297.4	308.6	326.8
65°	297.4	274.5	258.8	267.4	285.4
67.5°	253.4	238.0	227.3	231.3	245.8
70°	213.5	203.9	198.1	199.3	207.6
72.5°	175.6	173.2	171.1	171.1	171.9
75°	142.9	144.1	145.3	143.4	140.0
77.5°	112.6	116.6	119.7	115.4	111.4
80°	82.7	89.3	93.1	88.4	82.2
82.5°	56.4	64.0	65.2	62.3	55.2
85°	31.1	36.5	37.0	35.8	31.1
87.5°	11.6	13.7	14.9	13.7	12.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)