

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: P1050576

Luminaire Tested: 24PTR-30-PB1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050576
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-L850-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

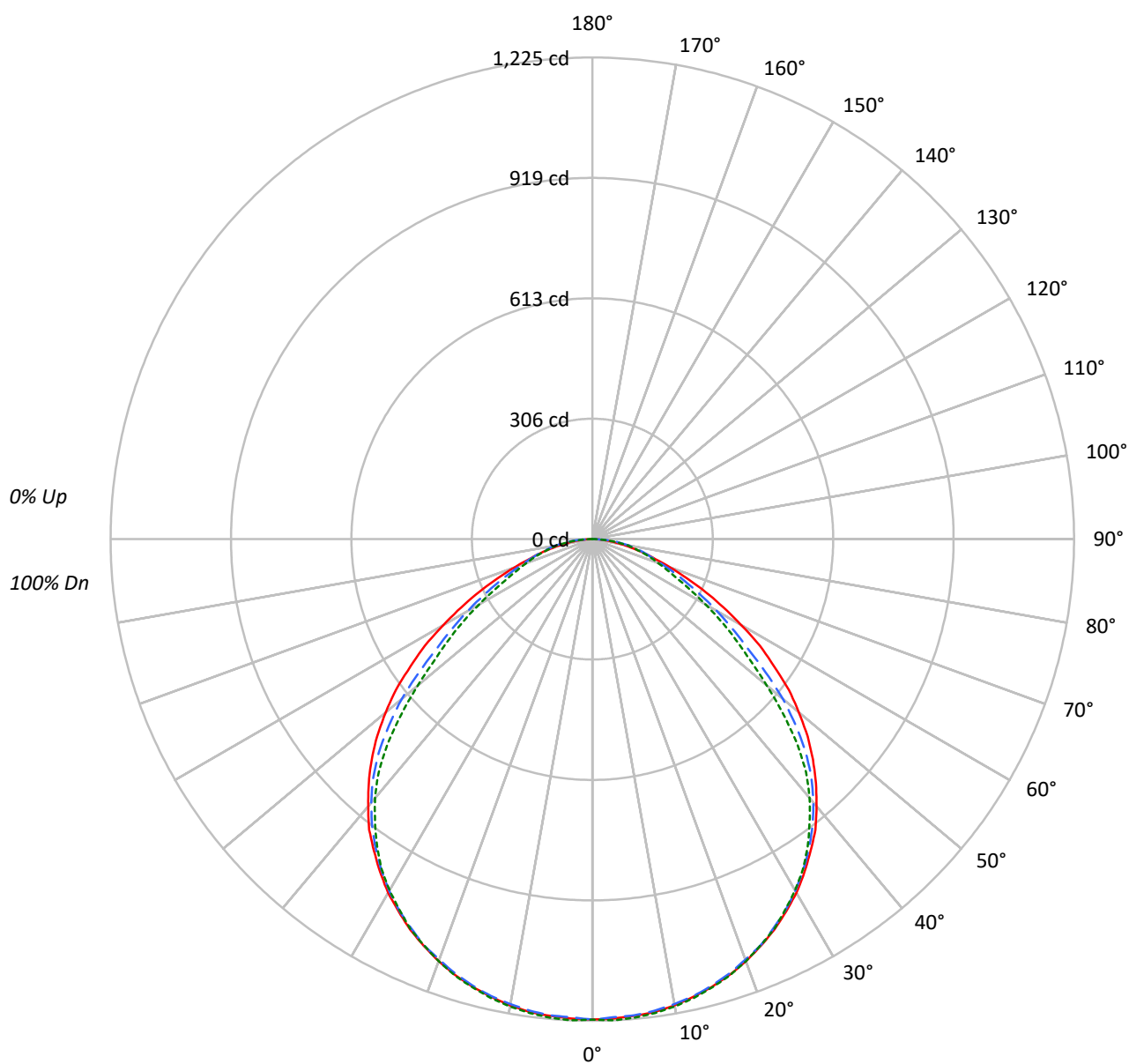
Lumens per Lamp: N/A
Luminaire Lumens: 3046.8 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1644	1644	1644
5°	1644	1642	1650
10°	1645	1641	1649
15°	1641	1637	1643
20°	1635	1629	1635
25°	1627	1620	1624
30°	1613	1604	1602
35°	1590	1577	1568
40°	1557	1536	1510
45°	1510	1461	1401
50°	1435	1324	1211
55°	1322	1125	1043
60°	1177	983	894
65°	1010	852	761
70°	834	751	697
75°	703	718	680
80°	594	734	700
85°	465	743	650

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1510 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.9	3.8
10°-20°	332.4	10.9
20°-30°	503.6	16.5
30°-40°	600.0	19.7
40°-50°	586.8	19.3
50°-60°	443.8	14.6
60°-70°	272.7	8.9
70°-80°	145.3	4.8
80°-90°	46.4	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°	951.9	31.2
0°-40°	1551.9	50.9
0°-60°	2582.5	84.8
0°-90°	3046.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3046.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1222	1222	1222	1222	1222	
5°	1217	1219	1216	1220	1222	116
15°	1178	1180	1175	1180	1180	333
25°	1096	1094	1091	1093	1094	505
35°	968	966	960	956	954	605
45°	794	789	768	742	736	610
55°	564	535	480	452	445	505
65°	317	292	268	246	239	316
75°	135	137	138	134	131	145
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°	1221.9	1221.9	1221.9	1221.9	1221.9
2.5°	1220.4	1221.9	1217.3	1223.4	1224.9
5°	1217.3	1218.9	1215.9	1220.4	1221.9
7.5°	1212.9	1212.9	1209.9	1214.3	1215.9
10°	1203.9	1203.9	1200.9	1205.3	1206.9
12.5°	1191.9	1191.9	1190.3	1193.3	1194.9
15°	1178.3	1179.7	1175.3	1179.7	1179.7
17.5°	1161.7	1160.3	1158.7	1161.7	1163.3
20°	1142.2	1142.2	1137.8	1140.8	1142.2
22.5°	1119.6	1119.6	1118.2	1119.6	1118.2
25°	1095.6	1094.1	1091.1	1092.6	1094.1
27.5°	1067.1	1067.1	1064.1	1064.1	1062.5
30°	1038.5	1036.9	1032.5	1029.5	1030.9
32.5°	1004.0	1002.4	998.0	995.0	996.4
35°	967.8	966.4	960.4	955.8	954.4
37.5°	931.9	927.3	919.7	913.7	907.7
40°	886.7	882.2	874.7	861.2	859.6
42.5°	841.6	837.2	825.0	808.6	804.1
45°	793.5	789.1	767.9	742.4	736.4
47.5°	742.4	734.9	701.8	670.3	658.3
50°	685.4	671.8	632.7	592.2	578.6
52.5°	629.7	605.7	554.6	518.5	505.1
55°	563.6	535.0	479.5	452.4	444.8
57.5°	505.1	465.9	420.8	393.8	387.8
60°	437.4	401.2	365.3	341.1	332.1
62.5°	375.7	344.1	314.1	293.0	282.6
65°	317.1	291.6	267.6	246.5	239.0
67.5°	260.0	246.5	226.9	210.5	205.9
70°	211.9	204.3	190.9	183.3	177.3
72.5°	168.4	171.4	162.4	159.4	154.8
75°	135.2	136.8	138.2	133.8	130.8
77.5°	102.2	109.7	115.7	112.7	109.7
80°	76.7	84.1	94.7	90.3	90.3
82.5°	52.5	61.7	70.7	67.7	66.1
85°	30.1	39.1	48.1	45.1	42.1
87.5°	12.0	19.6	21.0	21.0	19.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)