

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: P1050653

Luminaire Tested: 24PTR-30-PC3-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050653
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-L850-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

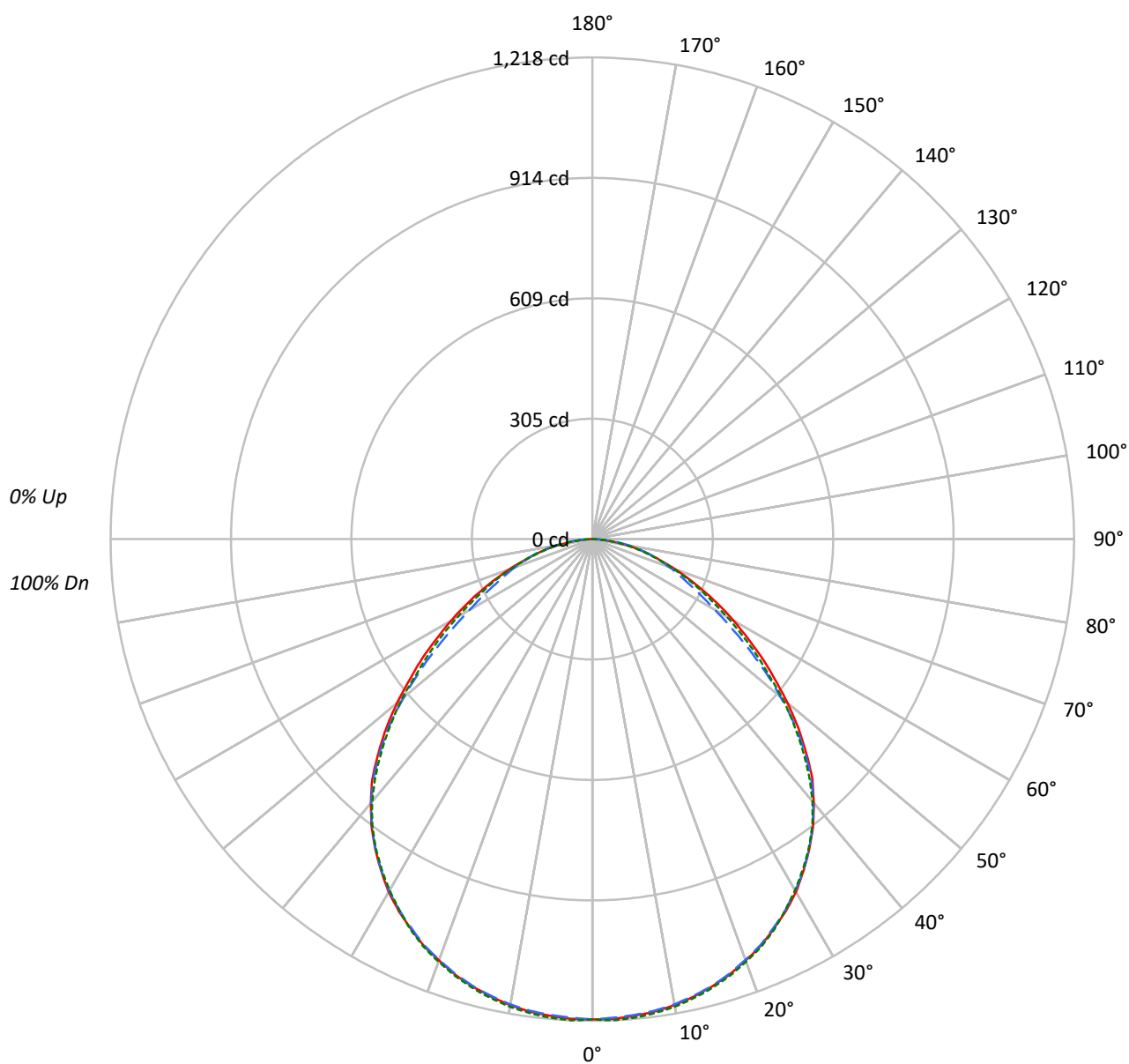
Lumens per Lamp: N/A
Luminaire Lumens: 3062.3 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1634	1634	1634
5°	1635	1632	1641
10°	1635	1632	1641
15°	1631	1629	1636
20°	1623	1621	1628
25°	1613	1610	1616
30°	1600	1595	1592
35°	1571	1570	1567
40°	1530	1528	1521
45°	1455	1444	1429
50°	1347	1302	1316
55°	1229	1129	1180
60°	1108	963	1057
65°	990	862	950
70°	879	816	854
75°	777	790	762
80°	670	755	666
85°	502	597	502

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1458 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.2	3.8
10°-20°	330.7	10.8
20°-30°	500.7	16.3
30°-40°	596.9	19.5
40°-50°	583.2	19.0
50°-60°	446.0	14.6
60°-70°	286.3	9.3
70°-80°	159.3	5.2
80°-90°	44.0	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°	946.6	30.9
0°-40°	1543.5	50.4
0°-60°	2572.7	84.0
0°-90°	3062.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3062.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1215	1215	1215	1215	1215	
5°	1210	1211	1208	1214	1215	115
15°	1171	1172	1170	1174	1175	330
25°	1086	1087	1084	1088	1089	501
35°	957	958	956	955	954	598
45°	765	766	759	757	751	588
55°	524	506	481	487	503	468
65°	311	287	271	280	298	310
75°	150	151	152	150	146	160
85°	32	38	39	37	32	40
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1214.7	1214.7	1214.7	1214.7	1214.7
2.5°	1213.9	1214.3	1211.2	1216.4	1218.1
5°	1210.4	1211.2	1208.2	1213.9	1215.1
7.5°	1205.2	1206.0	1203.0	1208.7	1209.1
10°	1196.5	1197.0	1194.3	1200.0	1200.8
12.5°	1184.8	1186.1	1183.1	1188.3	1188.6
15°	1170.8	1171.7	1169.5	1173.5	1174.7
17.5°	1154.4	1154.8	1152.6	1156.9	1157.4
20°	1133.8	1133.8	1132.1	1137.0	1137.0
22.5°	1113.0	1111.7	1111.3	1113.0	1115.7
25°	1086.2	1087.4	1084.4	1087.9	1088.7
27.5°	1060.1	1060.1	1057.4	1059.2	1057.0
30°	1030.1	1028.4	1026.7	1027.0	1024.9
32.5°	994.0	994.0	993.2	993.2	990.5
35°	956.7	957.5	955.8	955.3	954.0
37.5°	916.6	918.1	914.9	914.1	913.2
40°	871.0	871.0	869.8	868.0	865.8
42.5°	823.7	823.7	818.1	813.7	810.7
45°	764.6	766.4	758.9	757.2	751.2
47.5°	705.9	704.6	694.7	693.4	690.0
50°	643.4	636.0	621.8	625.6	628.7
52.5°	580.9	571.7	550.9	555.2	560.4
55°	523.9	505.7	481.4	487.4	503.1
57.5°	464.4	440.1	415.8	427.1	446.6
60°	411.8	384.5	358.0	370.2	392.7
62.5°	361.5	332.4	311.1	322.8	341.9
65°	311.1	287.1	270.7	279.7	298.5
67.5°	265.0	248.9	237.7	242.0	257.1
70°	223.4	213.3	207.3	208.5	217.2
72.5°	183.7	181.2	179.0	179.0	179.8
75°	149.5	150.7	152.0	150.0	146.5
77.5°	117.8	122.0	125.2	120.8	116.5
80°	86.5	93.4	97.4	92.5	86.0
82.5°	59.0	66.9	68.2	65.2	57.8
85°	32.5	38.2	38.7	37.4	32.5
87.5°	12.2	14.4	15.6	14.4	12.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)