

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: P1050687

Luminaire Tested: 24PTR-35-PC3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050687
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-35-PC3-L940-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

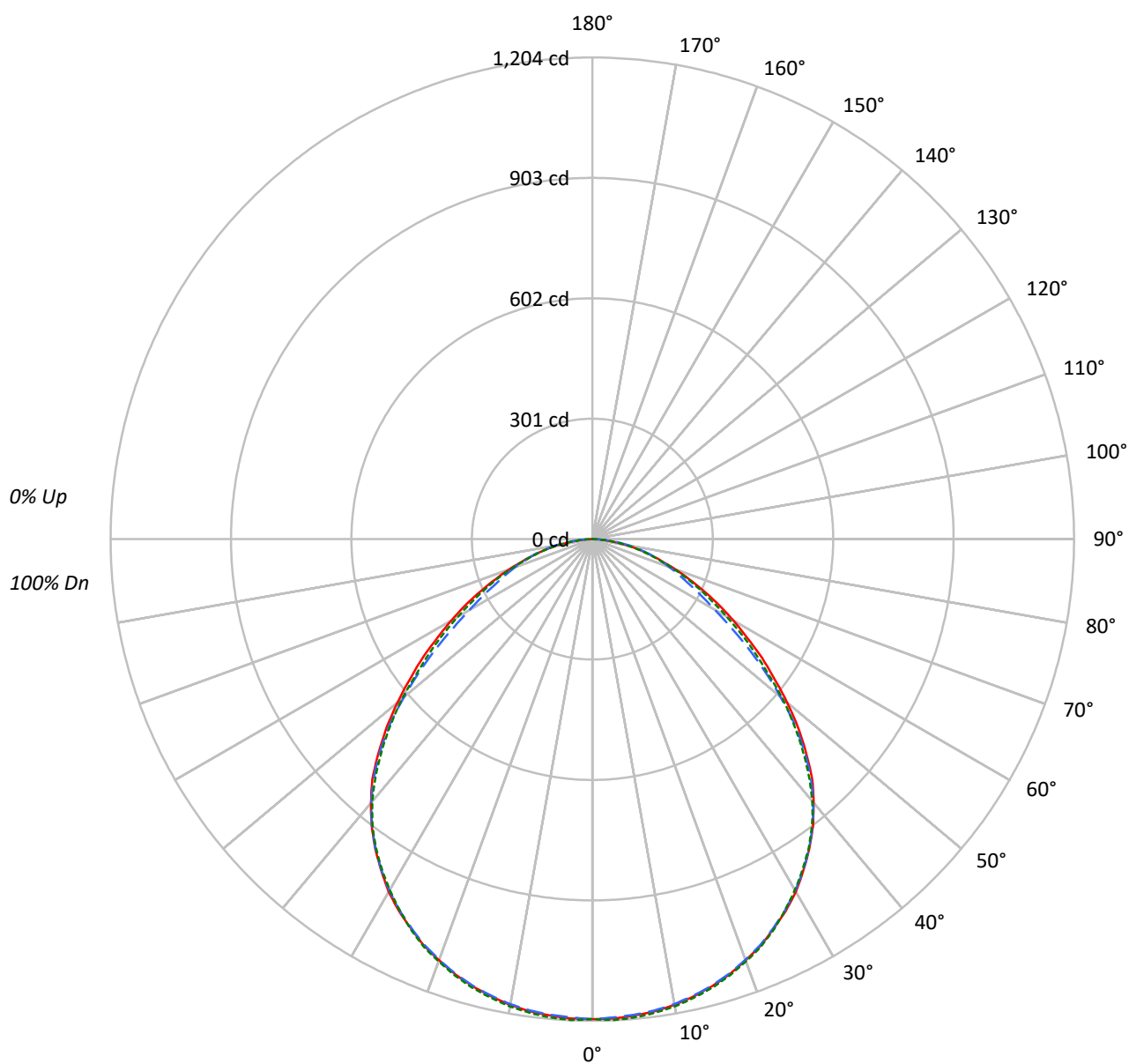
Lumens per Lamp: N/A
Luminaire Lumens: 3025.4 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	87	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	72
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1615	1615	1615
5°	1615	1612	1621
10°	1615	1612	1621
15°	1611	1609	1617
20°	1604	1602	1608
25°	1593	1591	1597
30°	1581	1576	1573
35°	1553	1551	1548
40°	1511	1509	1502
45°	1437	1427	1412
50°	1330	1286	1300
55°	1214	1116	1166
60°	1095	952	1044
65°	979	852	939
70°	868	806	844
75°	768	781	752
80°	662	745	659
85°	496	590	496

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1441 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.8	3.8
10°-20°	326.7	10.8
20°-30°	494.6	16.3
30°-40°	589.7	19.5
40°-50°	576.2	19.0
50°-60°	440.6	14.6
60°-70°	282.9	9.4
70°-80°	157.4	5.2
80°-90°	43.5	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°	935.2	30.9
0°-40°	1524.9	50.4
0°-60°	2541.7	84.0
0°-90°	3025.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3025.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1200	1200	1200	1200	1200	
5°	1196	1197	1194	1199	1200	114
15°	1157	1158	1155	1159	1161	326
25°	1073	1074	1071	1075	1076	495
35°	945	946	944	944	943	590
45°	755	757	750	748	742	581
55°	518	500	476	482	497	463
65°	307	284	268	276	295	307
75°	148	149	150	148	145	158
85°	32	38	38	37	32	39
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1200.0	1200.0	1200.0	1200.0	1200.0
2.5°	1199.3	1199.7	1196.6	1201.7	1203.5
5°	1195.8	1196.6	1193.6	1199.3	1200.5
7.5°	1190.7	1191.5	1188.5	1194.1	1194.6
10°	1182.1	1182.6	1179.9	1185.5	1186.3
12.5°	1170.6	1171.8	1168.8	1174.0	1174.3
15°	1156.7	1157.6	1155.4	1159.3	1160.6
17.5°	1140.5	1140.9	1138.7	1143.0	1143.4
20°	1120.2	1120.2	1118.5	1123.3	1123.3
22.5°	1099.6	1098.4	1097.9	1099.6	1102.3
25°	1073.1	1074.3	1071.4	1074.8	1075.6
27.5°	1047.4	1047.4	1044.7	1046.4	1044.2
30°	1017.7	1016.0	1014.3	1014.6	1012.6
32.5°	982.0	982.0	981.2	981.2	978.6
35°	945.2	946.0	944.3	943.8	942.6
37.5°	905.6	907.0	903.9	903.1	902.2
40°	860.5	860.5	859.3	857.6	855.4
42.5°	813.7	813.7	808.3	803.9	801.0
45°	755.4	757.1	749.8	748.1	742.2
47.5°	697.4	696.2	686.3	685.1	681.7
50°	635.6	628.3	614.3	618.0	621.1
52.5°	573.9	564.8	544.3	548.5	553.6
55°	517.6	499.7	475.6	481.6	497.0
57.5°	458.8	434.8	410.8	422.0	441.2
60°	406.9	379.9	353.7	365.7	388.0
62.5°	357.1	328.4	307.4	318.9	337.8
65°	307.4	283.7	267.5	276.3	294.9
67.5°	261.8	245.9	234.9	239.1	254.0
70°	220.7	210.7	204.8	206.0	214.6
72.5°	181.5	179.0	176.8	176.8	177.6
75°	147.7	148.9	150.2	148.2	144.7
77.5°	116.3	120.5	123.7	119.3	115.1
80°	85.5	92.3	96.2	91.4	85.0
82.5°	58.3	66.1	67.4	64.4	57.1
85°	32.1	37.7	38.2	37.0	32.1
87.5°	12.0	14.2	15.4	14.2	12.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)