

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: P1051006

Luminaire Tested: 24PTR-35-PW1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051006
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35-PW1-L830-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

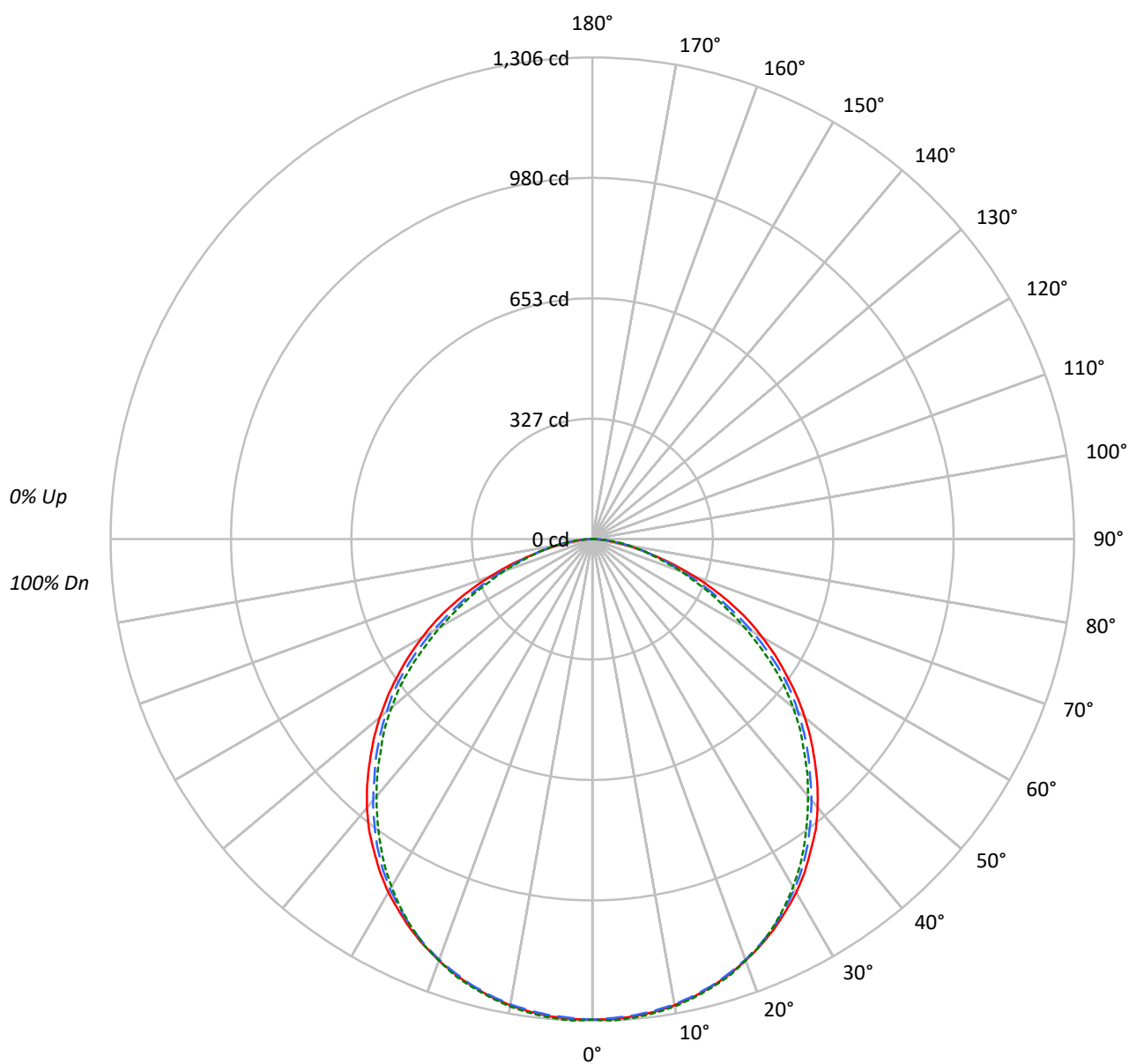
Lumens per Lamp: N/A
Luminaire Lumens: 3457.1 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	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	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1753	1753	1753
5°	1754	1750	1759
10°	1753	1750	1758
15°	1748	1745	1752
20°	1741	1737	1741
25°	1731	1724	1723
30°	1718	1703	1691
35°	1695	1669	1648
40°	1669	1624	1598
45°	1623	1575	1543
50°	1574	1523	1487
55°	1508	1457	1399
60°	1430	1346	1275
65°	1323	1202	1142
70°	1147	1046	1007
75°	915	895	871
80°	696	777	777
85°	514	664	664

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1623 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.5	3.6
10°-20°	354.3	10.2
20°-30°	535.5	15.5
30°-40°	635.9	18.4
40°-50°	640.6	18.5
50°-60°	553.8	16.0
60°-70°	378.5	10.9
70°-80°	186.6	5.4
80°-90°	48.3	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°	1013.4	29.3
0°-40°	1649.3	47.7
0°-60°	2843.7	82.3
0°-90°	3457.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3457.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1303	1303	1303	1303	1303	
5°	1299	1299	1296	1301	1303	123
15°	1255	1256	1253	1257	1258	354
25°	1166	1165	1161	1162	1160	537
35°	1032	1028	1016	1007	1004	646
45°	853	844	828	818	811	658
55°	643	641	621	603	596	575
65°	416	401	378	361	359	410
75°	176	175	172	172	168	192
85°	33	39	43	44	43	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1302.7	1302.7	1302.7	1302.7	1302.7
2.5°	1302.3	1302.7	1299.4	1305.1	1306.5
5°	1298.8	1299.4	1296.0	1301.3	1302.7
7.5°	1292.7	1293.6	1289.7	1295.0	1296.0
10°	1283.4	1283.9	1280.6	1285.8	1286.9
12.5°	1270.9	1271.3	1268.5	1273.2	1273.2
15°	1255.0	1256.4	1253.0	1257.4	1257.8
17.5°	1237.1	1237.6	1234.3	1239.0	1240.1
20°	1215.9	1215.9	1213.1	1216.9	1215.9
22.5°	1192.2	1192.2	1188.9	1190.8	1191.7
25°	1166.2	1165.2	1161.3	1162.4	1160.4
27.5°	1136.2	1136.2	1129.4	1129.4	1126.1
30°	1105.9	1103.4	1096.2	1091.9	1088.5
32.5°	1071.0	1067.7	1058.5	1050.8	1048.4
35°	1032.0	1028.5	1016.4	1007.3	1003.5
37.5°	994.3	986.6	970.7	961.5	957.2
40°	950.3	940.7	924.4	911.7	909.8
42.5°	903.1	895.4	874.2	864.9	862.6
45°	853.0	843.7	827.7	818.1	810.9
47.5°	803.7	796.8	778.6	767.0	764.6
50°	751.9	746.1	727.4	714.9	710.5
52.5°	698.4	694.6	678.6	662.7	657.4
55°	643.0	641.1	621.3	602.8	596.5
57.5°	588.5	586.0	561.3	540.1	534.3
60°	531.5	524.3	500.1	480.2	473.9
62.5°	477.4	462.0	435.9	420.4	413.2
65°	415.5	400.6	377.5	361.0	358.7
67.5°	354.8	336.9	319.1	308.9	301.2
70°	291.5	279.4	265.9	257.3	255.9
72.5°	232.6	224.0	217.1	211.9	207.5
75°	176.1	174.7	172.2	172.2	167.5
77.5°	129.4	132.8	134.7	134.2	135.2
80°	89.8	96.5	100.3	100.9	100.3
82.5°	57.0	64.7	71.0	71.9	73.0
85°	33.3	39.1	43.0	43.8	43.0
87.5°	14.9	18.8	19.8	20.7	19.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)