

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: P1051028

Luminaire Tested: 24PTR-35-PW1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051028
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-L840-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

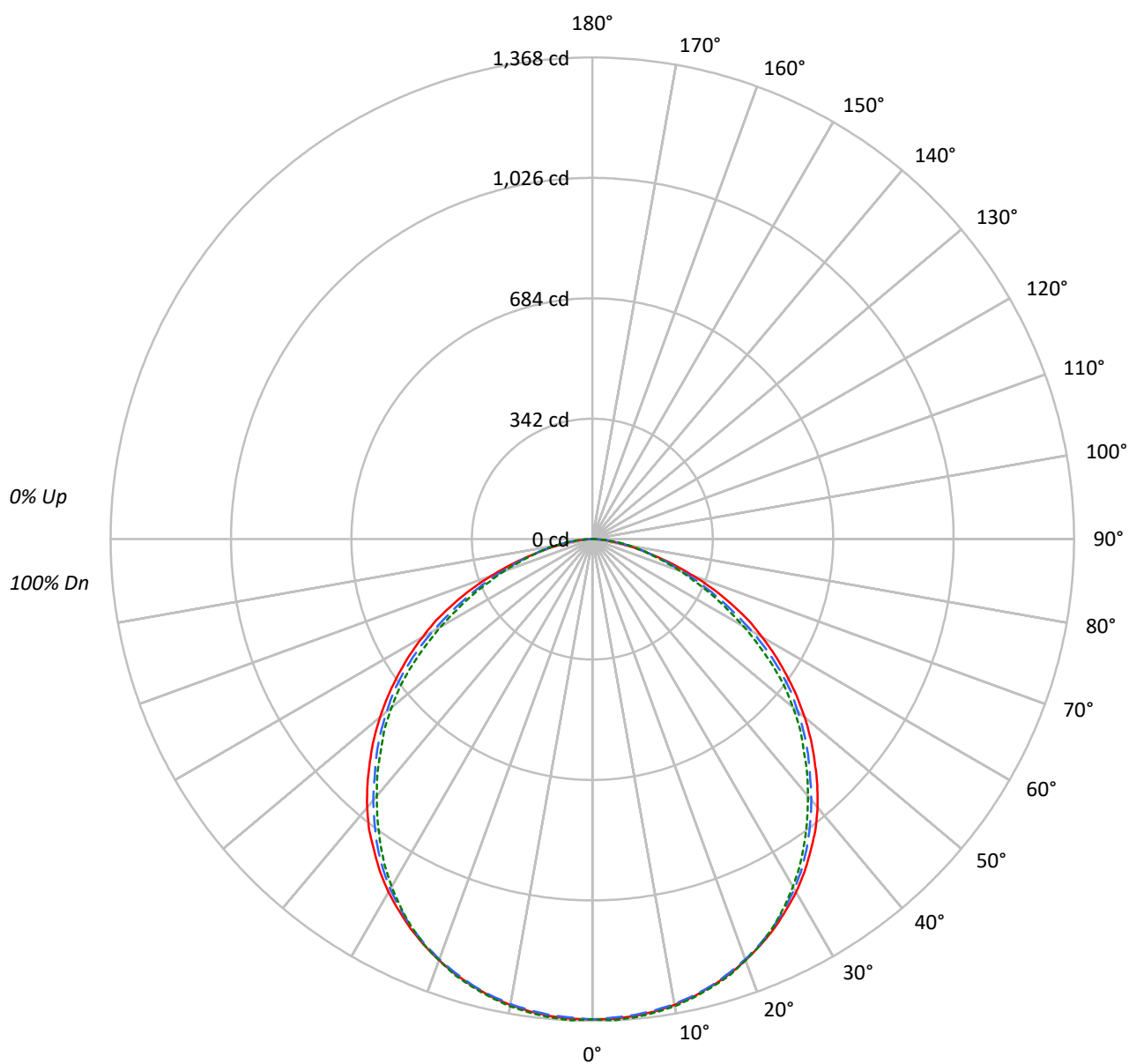
Lumens per Lamp: N/A
Luminaire Lumens: 3619.1 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1835	1835	1835
5°	1836	1832	1842
10°	1836	1832	1841
15°	1830	1827	1834
20°	1822	1818	1822
25°	1813	1805	1803
30°	1799	1783	1770
35°	1775	1748	1725
40°	1747	1700	1673
45°	1699	1649	1615
50°	1648	1594	1557
55°	1579	1526	1465
60°	1497	1409	1335
65°	1385	1258	1195
70°	1201	1095	1054
75°	959	937	912
80°	728	814	814
85°	539	695	695

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1699 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.3	3.6
10°-20°	371.0	10.3
20°-30°	560.6	15.5
30°-40°	665.7	18.4
40°-50°	670.7	18.5
50°-60°	579.7	16.0
60°-70°	396.2	10.9
70°-80°	195.4	5.4
80°-90°	50.5	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°	1060.9	29.3
0°-40°	1726.6	47.7
0°-60°	2977.0	82.3
0°-90°	3619.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3619.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1364	1364	1364	1364	1364	
5°	1360	1360	1357	1362	1364	129
15°	1314	1315	1312	1316	1317	371
25°	1221	1220	1216	1217	1215	562
35°	1080	1077	1064	1054	1050	676
45°	893	883	866	856	849	689
55°	673	671	650	631	624	602
65°	435	419	395	378	376	429
75°	184	183	180	180	175	201
85°	35	41	45	46	45	43
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1363.7	1363.7	1363.7	1363.7	1363.7
2.5°	1363.4	1363.7	1360.2	1366.3	1367.8
5°	1359.7	1360.2	1356.7	1362.3	1363.7
7.5°	1353.3	1354.2	1350.1	1355.6	1356.7
10°	1343.5	1344.1	1340.6	1346.1	1347.2
12.5°	1330.5	1330.9	1327.9	1332.9	1332.9
15°	1313.8	1315.3	1311.8	1316.4	1316.7
17.5°	1295.1	1295.6	1292.1	1297.1	1298.2
20°	1272.8	1272.8	1269.9	1273.9	1272.8
22.5°	1248.0	1248.0	1244.6	1246.6	1247.5
25°	1220.9	1219.8	1215.7	1216.8	1214.8
27.5°	1189.5	1189.5	1182.3	1182.3	1178.8
30°	1157.7	1155.1	1147.6	1143.0	1139.5
32.5°	1121.2	1117.7	1108.1	1100.1	1097.5
35°	1080.4	1076.7	1064.1	1054.5	1050.5
37.5°	1040.9	1032.8	1016.1	1006.6	1002.0
40°	994.8	984.7	967.7	954.4	952.4
42.5°	945.4	937.4	915.1	905.4	903.0
45°	892.9	883.2	866.5	856.4	848.9
47.5°	841.3	834.2	815.1	803.0	800.4
50°	787.2	781.1	761.5	748.4	743.8
52.5°	731.2	727.1	710.4	693.7	688.2
55°	673.1	671.1	650.4	631.1	624.5
57.5°	616.0	613.5	587.6	565.4	559.3
60°	556.4	548.8	523.5	502.7	496.1
62.5°	499.8	483.6	456.3	440.1	432.6
65°	435.0	419.4	395.1	377.9	375.5
67.5°	371.5	352.7	334.0	323.4	315.3
70°	305.2	292.5	278.4	269.4	267.9
72.5°	243.5	234.5	227.3	221.8	217.2
75°	184.4	182.9	180.3	180.3	175.4
77.5°	135.5	139.0	141.0	140.5	141.6
80°	94.0	101.0	105.0	105.6	105.0
82.5°	59.7	67.8	74.4	75.3	76.4
85°	34.9	40.9	45.0	45.9	45.0
87.5°	15.6	19.6	20.7	21.7	20.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)