

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: P1050467

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050467
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35-L830-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

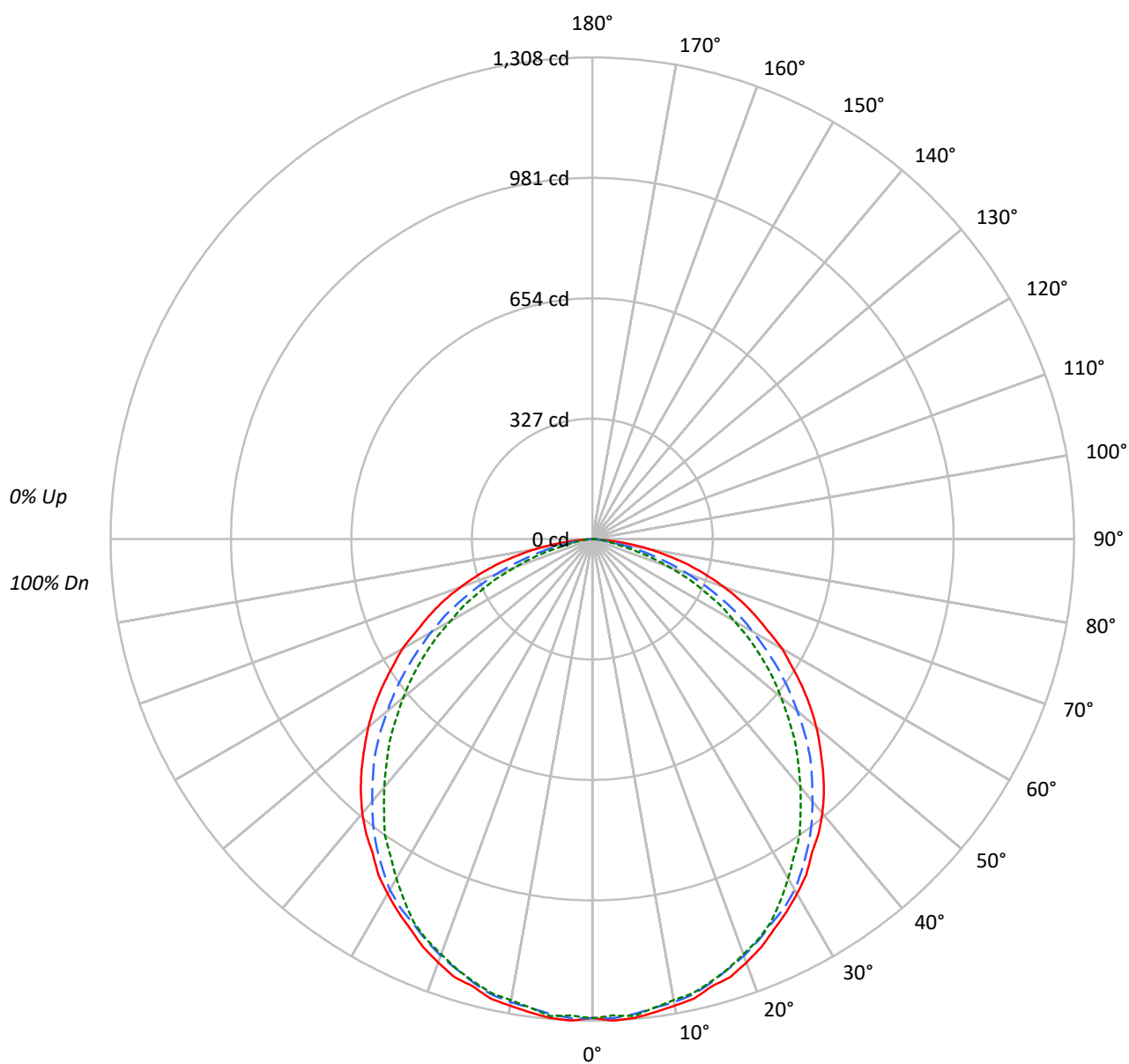
Lumens per Lamp: N/A
Luminaire Lumens: 3464.9 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
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	56	68	61	56	66	60	55	64	58	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	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	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1750	1750	1750
5°	1763	1749	1756
10°	1758	1744	1737
15°	1750	1736	1733
20°	1752	1724	1717
25°	1734	1709	1703
30°	1727	1708	1653
35°	1708	1677	1612
40°	1706	1633	1543
45°	1685	1591	1482
50°	1662	1519	1401
55°	1630	1449	1316
60°	1601	1355	1195
65°	1547	1243	1068
70°	1496	1082	872
75°	1406	854	600
80°	1219	516	360
85°	814	371	347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1685 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.3	3.6
10°-20°	352.8	10.2
20°-30°	533.0	15.4
30°-40°	633.7	18.3
40°-50°	642.7	18.5
50°-60°	558.1	16.1
60°-70°	396.2	11.4
70°-80°	189.3	5.5
80°-90°	35.9	1.0
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°	1009.1	29.1
0°-40°	1642.8	47.4
0°-60°	2843.5	82.1
0°-90°	3464.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3464.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1301	1301	1301	1301	1301	
5°	1305	1301	1295	1298	1300	124
15°	1257	1260	1247	1245	1244	356
25°	1168	1167	1151	1156	1147	540
35°	1040	1038	1021	986	982	653
45°	886	878	836	792	779	683
55°	695	674	618	581	561	621
65°	486	449	390	349	336	481
75°	270	221	164	130	115	284
85°	53	28	24	23	22	66
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1300.8	1300.8	1300.8	1300.8	1300.8
2.5°	1308.5	1303.9	1302.3	1307.8	1294.6
5°	1305.4	1300.8	1294.6	1297.7	1300.0
7.5°	1296.1	1292.3	1283.7	1290.7	1283.7
10°	1286.8	1283.0	1276.8	1279.1	1271.4
12.5°	1277.5	1268.3	1266.7	1268.3	1262.8
15°	1256.6	1259.7	1246.6	1245.0	1244.2
17.5°	1246.6	1238.8	1224.9	1225.6	1224.1
20°	1223.3	1214.0	1203.9	1202.4	1199.3
22.5°	1199.3	1188.5	1179.2	1183.8	1176.8
25°	1168.3	1166.8	1151.3	1155.9	1147.4
27.5°	1141.2	1135.8	1128.8	1118.7	1106.3
30°	1111.8	1106.3	1099.4	1073.0	1063.7
32.5°	1080.8	1074.6	1060.6	1029.6	1019.6
35°	1039.7	1038.2	1021.1	986.2	981.6
37.5°	1008.7	991.7	977.7	942.1	928.9
40°	971.5	962.2	929.7	895.6	878.6
42.5°	930.5	919.6	882.4	846.0	827.4
45°	885.5	877.8	835.9	791.8	778.6
47.5°	839.0	832.1	782.5	739.9	722.8
50°	794.1	785.6	725.9	684.9	669.4
52.5°	745.3	731.4	672.5	632.2	617.5
55°	694.9	674.0	617.5	581.1	560.9
57.5°	641.5	622.1	559.4	521.4	505.1
60°	595.0	567.9	503.6	464.8	443.9
62.5°	535.3	512.1	450.9	405.2	395.1
65°	485.8	449.4	390.5	348.6	335.5
67.5°	435.4	392.8	333.1	290.5	283.6
70°	380.4	336.2	275.0	233.2	221.6
72.5°	324.6	281.2	221.6	177.4	170.4
75°	270.4	220.8	164.2	130.2	115.4
77.5°	211.5	166.6	115.4	79.8	70.5
80°	157.3	112.3	66.6	47.3	46.5
82.5°	103.0	65.1	35.6	36.4	34.9
85°	52.7	27.9	24.0	23.2	22.5
87.5°	10.1	10.8	11.6	11.6	11.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)