

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: P1050852

Luminaire Tested: 24PTR-35-PP3-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050852
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35-PP3-L830-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

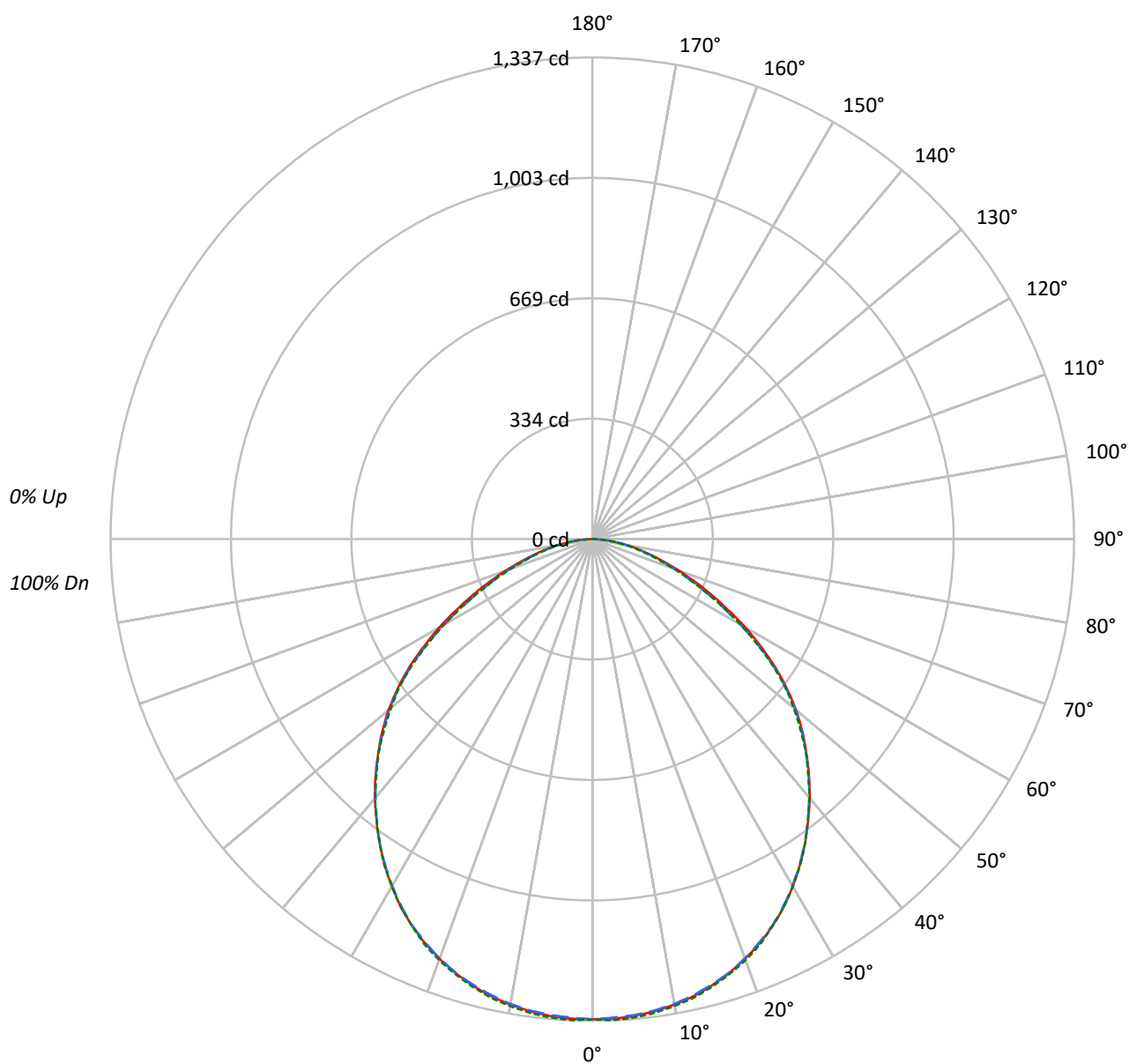
Lumens per Lamp: N/A
Luminaire Lumens: 3443.5 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	100		
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1793	1793	1793
5°	1795	1791	1801
10°	1792	1790	1798
15°	1786	1783	1791
20°	1775	1773	1781
25°	1759	1756	1758
30°	1729	1726	1729
35°	1692	1689	1691
40°	1648	1643	1648
45°	1599	1594	1596
50°	1545	1538	1527
55°	1455	1438	1433
60°	1320	1276	1278
65°	1160	1101	1100
70°	1003	957	946
75°	867	835	817
80°	768	757	723
85°	634	656	619

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1604 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.4	3.7
10°-20°	362.1	10.5
20°-30°	545.1	15.8
30°-40°	643.4	18.7
40°-50°	647.1	18.8
50°-60°	546.3	15.9
60°-70°	350.8	10.2
70°-80°	174.5	5.1
80°-90°	47.8	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°	1033.6	30.0
0°-40°	1677.0	48.7
0°-60°	2870.4	83.4
0°-90°	3443.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3443.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1333	1333	1333	1333	1333	
5°	1329	1329	1326	1332	1333	126
15°	1282	1283	1280	1286	1286	362
25°	1185	1185	1183	1185	1184	545
35°	1030	1030	1028	1029	1029	644
45°	840	843	838	839	839	648
55°	620	620	613	610	611	552
65°	364	359	346	342	345	363
75°	167	166	161	159	157	181
85°	41	42	42	40	40	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1332.8	1332.8	1332.8	1332.8	1332.8
2.5°	1332.2	1332.8	1329.2	1335.6	1336.6
5°	1328.9	1329.2	1325.9	1332.2	1333.1
7.5°	1322.0	1322.6	1319.6	1325.4	1326.4
10°	1311.8	1313.4	1309.9	1315.3	1316.2
12.5°	1299.4	1299.9	1296.4	1302.7	1303.7
15°	1282.5	1282.8	1280.0	1285.8	1285.8
17.5°	1263.0	1263.5	1261.6	1266.5	1266.0
20°	1239.4	1240.8	1238.4	1241.7	1243.6
22.5°	1213.7	1214.3	1211.3	1215.7	1217.6
25°	1184.7	1185.1	1182.8	1185.1	1184.2
27.5°	1150.8	1151.7	1148.4	1150.8	1151.3
30°	1113.0	1115.5	1110.7	1112.7	1113.0
32.5°	1072.4	1073.8	1070.5	1071.0	1073.5
35°	1029.9	1030.4	1028.5	1029.4	1029.4
37.5°	984.0	985.9	983.0	984.4	982.4
40°	938.5	936.5	935.5	936.5	938.0
42.5°	890.5	891.0	889.6	888.6	886.3
45°	840.2	843.2	837.8	838.8	838.8
47.5°	791.0	791.4	788.5	785.6	783.6
50°	738.3	738.3	734.8	732.5	729.5
52.5°	680.6	679.7	675.9	673.4	674.8
55°	620.1	619.6	612.9	610.5	611.0
57.5°	553.9	554.9	544.7	542.3	542.3
60°	490.6	485.7	474.1	470.7	475.0
62.5°	424.2	418.4	405.9	405.9	409.2
65°	364.2	358.9	345.9	342.4	345.4
67.5°	308.1	303.2	291.3	289.3	290.2
70°	254.9	250.7	243.3	238.9	240.5
72.5°	209.0	205.1	200.2	196.9	194.9
75°	166.8	165.9	160.7	159.1	157.1
77.5°	132.0	131.7	127.3	125.3	123.4
80°	99.1	98.6	97.7	94.7	93.3
82.5°	70.7	70.7	70.1	67.7	66.3
85°	41.1	42.5	42.5	40.1	40.1
87.5°	16.5	17.4	16.5	16.5	16.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)