

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: P1050853

Luminaire Tested: 24PTR-40-PP3-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050853
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-40-PP3-L830-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

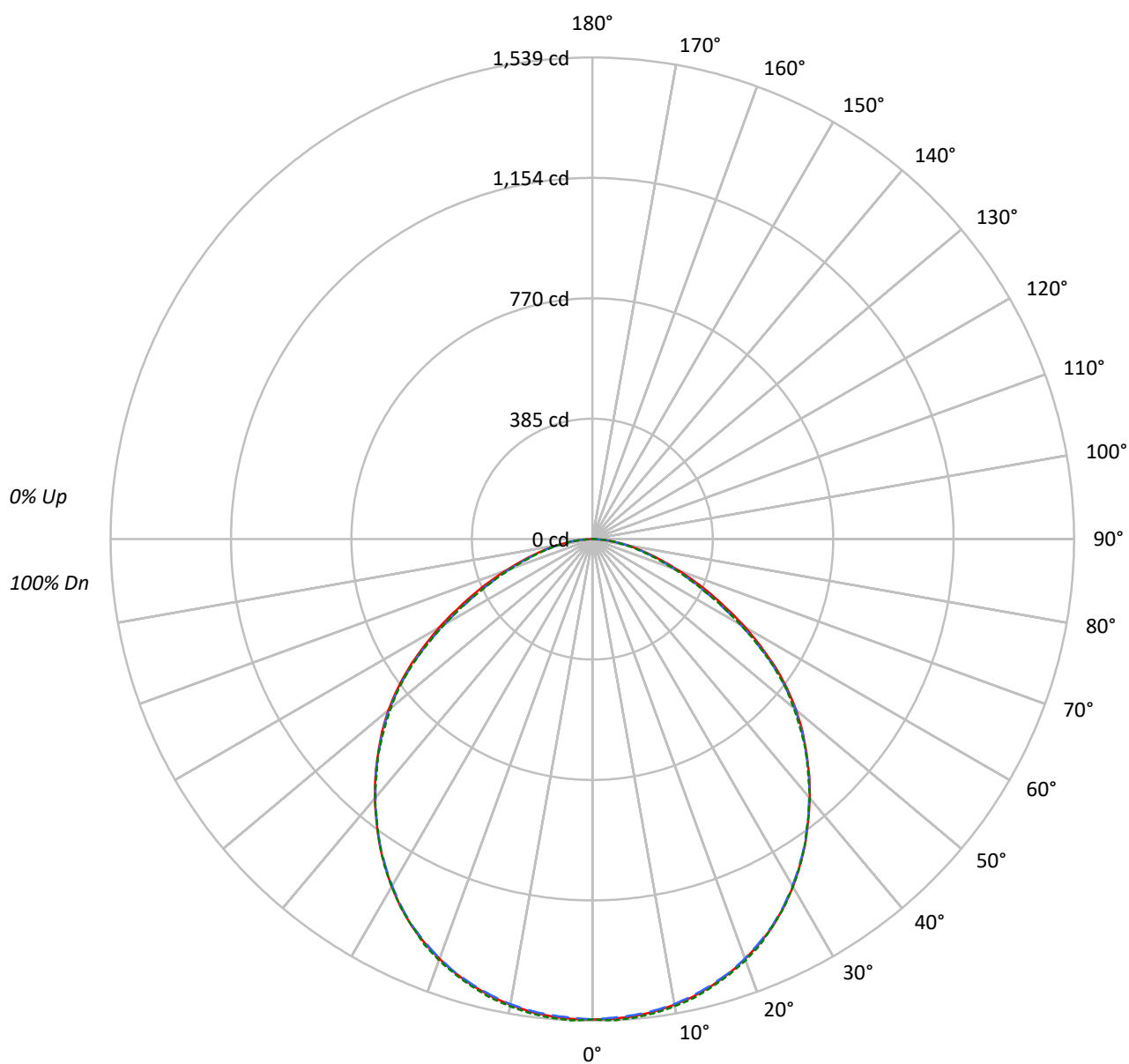
Lumens per Lamp: N/A
Luminaire Lumens: 3965.4 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 33
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°	2065	2065	2065
5°	2067	2062	2073
10°	2064	2061	2071
15°	2057	2053	2063
20°	2044	2042	2051
25°	2025	2022	2025
30°	1991	1987	1991
35°	1948	1945	1947
40°	1898	1892	1897
45°	1841	1836	1838
50°	1780	1771	1758
55°	1675	1656	1650
60°	1520	1469	1472
65°	1335	1268	1266
70°	1155	1102	1089
75°	999	962	941
80°	885	872	833
85°	732	756	713

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1848 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.5	3.7
10°-20°	417.0	10.5
20°-30°	627.7	15.8
30°-40°	740.9	18.7
40°-50°	745.1	18.8
50°-60°	629.1	15.9
60°-70°	404.0	10.2
70°-80°	200.9	5.1
80°-90°	55.1	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°	1190.3	30.0
0°-40°	1931.2	48.7
0°-60°	3305.4	83.4
0°-90°	3965.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3965.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1535	1535	1535	1535	1535	
5°	1530	1531	1527	1534	1535	145
15°	1477	1477	1474	1481	1481	417
25°	1364	1365	1362	1365	1364	628
35°	1186	1187	1184	1185	1185	741
45°	968	971	965	966	966	747
55°	714	714	706	703	704	635
65°	419	413	398	394	398	418
75°	192	191	185	183	181	208
85°	47	49	49	46	46	56
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1534.7	1534.7	1534.7	1534.7	1534.7
2.5°	1534.1	1534.7	1530.7	1538.0	1539.2
5°	1530.3	1530.7	1526.8	1534.1	1535.1
7.5°	1522.4	1523.0	1519.5	1526.2	1527.4
10°	1510.6	1512.5	1508.4	1514.7	1515.7
12.5°	1496.3	1496.9	1492.8	1500.1	1501.3
15°	1476.8	1477.2	1474.0	1480.7	1480.7
17.5°	1454.4	1455.0	1452.7	1458.4	1457.8
20°	1427.2	1428.9	1426.0	1429.9	1432.1
22.5°	1397.7	1398.3	1394.9	1399.9	1402.1
25°	1364.3	1364.7	1362.1	1364.7	1363.7
27.5°	1325.2	1326.2	1322.4	1325.2	1325.8
30°	1281.7	1284.5	1279.1	1281.3	1281.7
32.5°	1234.9	1236.6	1232.7	1233.3	1236.2
35°	1186.0	1186.6	1184.3	1185.4	1185.4
37.5°	1133.1	1135.4	1131.9	1133.5	1131.3
40°	1080.7	1078.5	1077.3	1078.5	1080.1
42.5°	1025.4	1026.1	1024.4	1023.2	1020.6
45°	967.6	971.0	964.7	965.9	965.9
47.5°	910.9	911.3	908.0	904.6	902.4
50°	850.2	850.2	846.1	843.5	840.0
52.5°	783.8	782.7	778.3	775.5	777.1
55°	714.1	713.5	705.8	703.0	703.6
57.5°	637.8	639.0	627.3	624.5	624.5
60°	564.9	559.3	545.9	542.1	546.9
62.5°	488.4	481.8	467.4	467.4	471.2
65°	419.4	413.3	398.4	394.3	397.7
67.5°	354.8	349.2	335.4	333.2	334.2
70°	293.5	288.6	280.1	275.1	276.9
72.5°	240.7	236.2	230.6	226.7	224.5
75°	192.1	191.1	185.0	183.2	181.0
77.5°	152.0	151.6	146.6	144.3	142.1
80°	114.2	113.6	112.5	109.1	107.5
82.5°	81.4	81.4	80.8	77.9	76.3
85°	47.4	49.0	49.0	46.2	46.2
87.5°	19.0	20.0	19.0	19.0	18.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)