

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: P1050864

Luminaire Tested: 24PTR-40-PP3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050864
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-L835-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

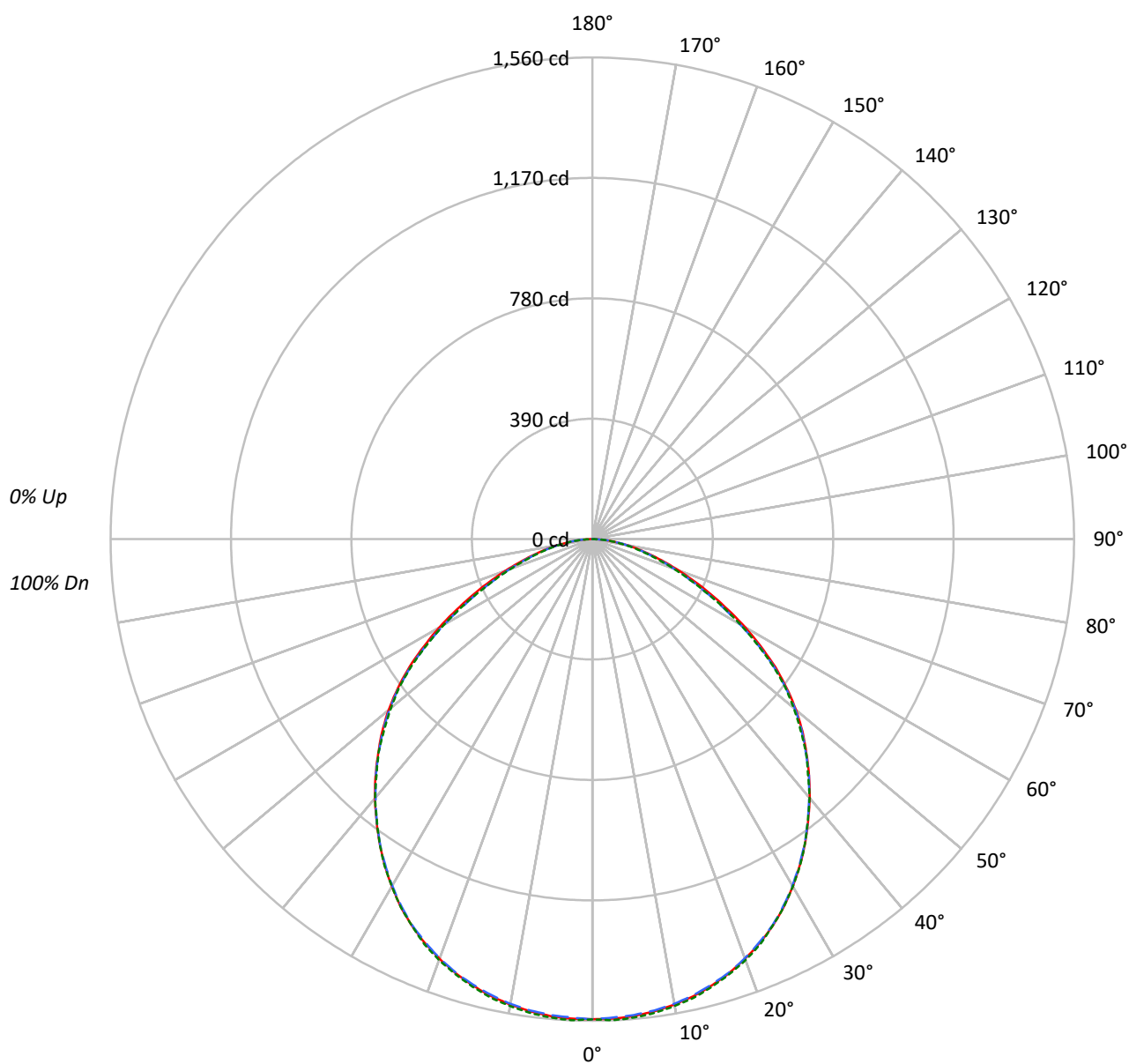
Lumens per Lamp: N/A
Luminaire Lumens: 4017.7 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	2092	2092	2092
5°	2094	2089	2101
10°	2091	2088	2098
15°	2084	2080	2090
20°	2071	2069	2078
25°	2052	2049	2051
30°	2018	2014	2018
35°	1974	1971	1973
40°	1923	1917	1922
45°	1865	1860	1862
50°	1803	1795	1782
55°	1697	1678	1672
60°	1540	1488	1491
65°	1353	1285	1283
70°	1170	1116	1104
75°	1012	975	953
80°	896	883	844
85°	741	766	722

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1872 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.5	3.7
10°-20°	422.5	10.5
20°-30°	636.0	15.8
30°-40°	750.7	18.7
40°-50°	755.0	18.8
50°-60°	637.4	15.9
60°-70°	409.3	10.2
70°-80°	203.6	5.1
80°-90°	55.8	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°	1206.0	30.0
0°-40°	1956.7	48.7
0°-60°	3349.0	83.4
0°-90°	4017.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4017.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1555	1555	1555	1555	1555	
5°	1550	1551	1547	1554	1555	147
15°	1496	1497	1494	1500	1500	422
25°	1382	1383	1380	1383	1382	636
35°	1202	1202	1200	1201	1201	751
45°	980	984	978	979	979	757
55°	724	723	715	712	713	644
65°	425	419	404	400	403	424
75°	195	194	188	186	183	211
85°	48	50	50	47	47	56
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1555.0	1555.0	1555.0	1555.0	1555.0
2.5°	1554.4	1555.0	1550.9	1558.3	1559.5
5°	1550.5	1550.9	1547.0	1554.4	1555.4
7.5°	1542.5	1543.1	1539.6	1546.4	1547.6
10°	1530.6	1532.4	1528.3	1534.7	1535.7
12.5°	1516.0	1516.6	1512.5	1519.9	1521.2
15°	1496.3	1496.8	1493.5	1500.2	1500.2
17.5°	1473.6	1474.2	1471.9	1477.7	1477.1
20°	1446.1	1447.7	1444.9	1448.8	1451.0
22.5°	1416.2	1416.8	1413.3	1418.4	1420.7
25°	1382.3	1382.7	1380.1	1382.7	1381.7
27.5°	1342.7	1343.8	1339.9	1342.7	1343.3
30°	1298.6	1301.5	1296.0	1298.2	1298.6
32.5°	1251.3	1252.9	1249.0	1249.6	1252.5
35°	1201.6	1202.2	1200.0	1201.0	1201.0
37.5°	1148.1	1150.4	1146.9	1148.5	1146.3
40°	1095.0	1092.7	1091.5	1092.7	1094.4
42.5°	1039.0	1039.6	1038.0	1036.7	1034.1
45°	980.3	983.8	977.5	978.7	978.7
47.5°	922.9	923.3	920.0	916.6	914.3
50°	861.4	861.4	857.3	854.6	851.1
52.5°	794.1	793.1	788.6	785.7	787.3
55°	723.6	722.9	715.2	712.3	712.9
57.5°	646.2	647.5	635.6	632.7	632.7
60°	572.4	566.7	553.1	549.2	554.2
62.5°	494.9	488.1	473.6	473.6	477.5
65°	424.9	418.8	403.6	399.5	403.0
67.5°	359.5	353.8	339.8	337.6	338.6
70°	297.4	292.5	283.8	278.7	280.6
72.5°	243.9	239.3	233.6	229.7	227.4
75°	194.6	193.6	187.5	185.6	183.4
77.5°	154.0	153.6	148.5	146.2	144.0
80°	115.7	115.1	114.0	110.5	108.9
82.5°	82.4	82.4	81.8	79.0	77.3
85°	48.0	49.6	49.6	46.8	46.8
87.5°	19.3	20.3	19.3	19.3	18.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)