

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: P1046769

Luminaire Tested: 22PTR-50-PC3-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-50-PC3-L835-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

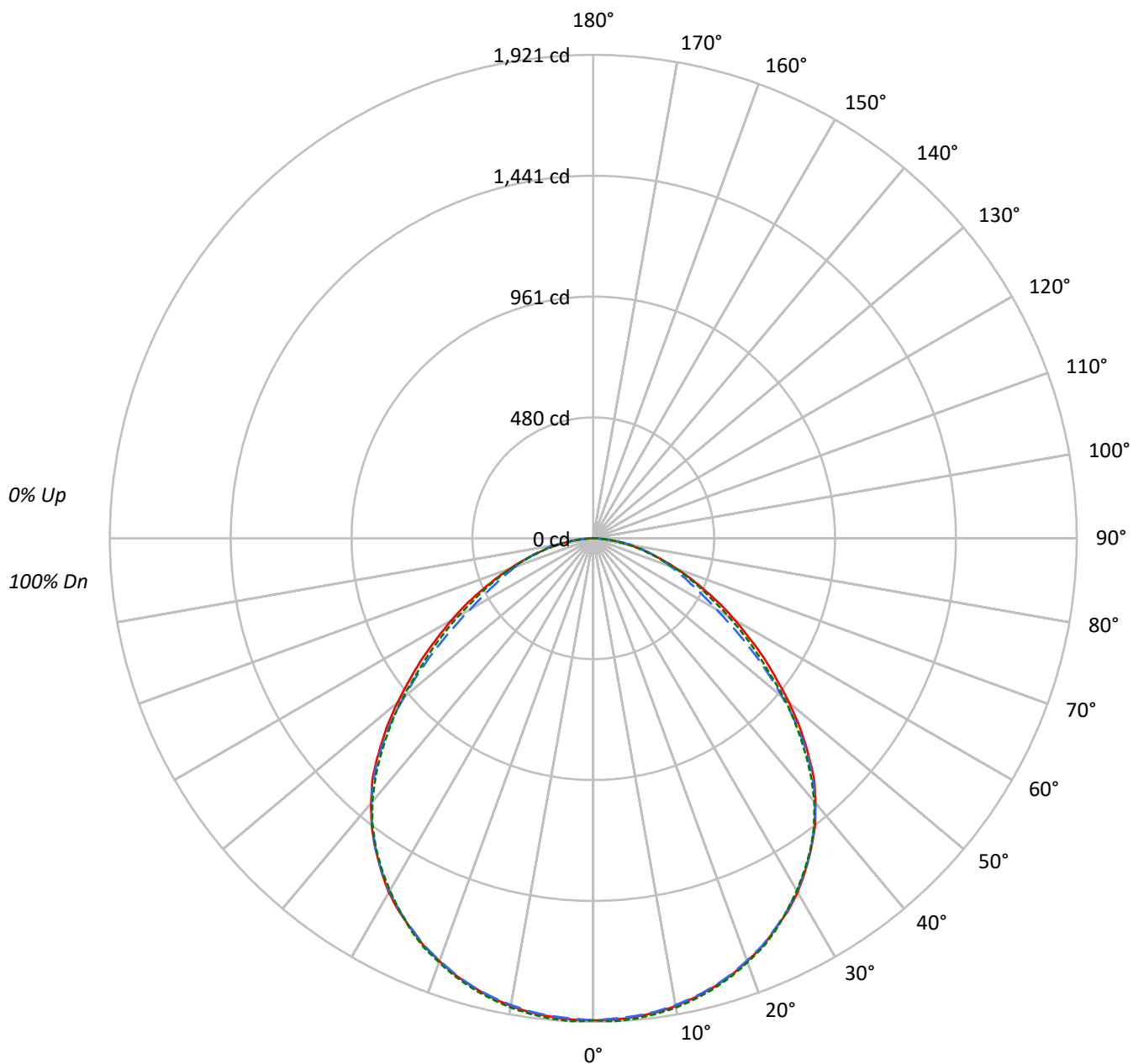
Lumens per Lamp: N/A
Luminaire Lumens: 4829.6 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 39
Input Voltage (V): 120
Input Current (A_{in}): 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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	Luminous shape not found, reference photometric report, or contact the photometric lab for calculations.		
5°			
10°			
15°			
20°			
25°			
30°			
35°			
40°			
45°			
50°			
55°			
60°			
65°			
70°			
75°			
80°			
85°			

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.7	3.8
10°-20°	521.5	10.8
20°-30°	789.6	16.3
30°-40°	941.4	19.5
40°-50°	919.8	19.0
50°-60°	703.4	14.6
60°-70°	451.6	9.4
70°-80°	251.2	5.2
80°-90°	69.4	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°	1492.8	30.9
0°-40°	2434.2	50.4
0°-60°	4057.4	84.0
0°-90°	4829.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4829.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1916	1916	1916	1916	1916	
5°	1909	1910	1906	1914	1916	182
15°	1846	1848	1844	1851	1853	521
25°	1713	1715	1710	1716	1717	790
35°	1509	1510	1507	1507	1505	943
45°	1206	1209	1197	1194	1185	928
55°	826	798	759	769	793	739
65°	491	453	427	441	471	489
75°	236	238	240	236	231	252
85°	51	60	61	59	51	63
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1915.7	1915.7	1915.7	1915.7	1915.7
2.5°	1914.4	1915.2	1910.2	1918.4	1921.1
5°	1908.9	1910.2	1905.5	1914.4	1916.4
7.5°	1900.7	1902.0	1897.2	1906.2	1906.9
10°	1887.0	1887.8	1883.5	1892.5	1893.8
12.5°	1868.6	1870.6	1865.9	1874.1	1874.6
15°	1846.5	1847.9	1844.5	1850.7	1852.7
17.5°	1820.6	1821.3	1817.8	1824.5	1825.3
20°	1788.2	1788.2	1785.5	1793.2	1793.2
22.5°	1755.3	1753.3	1752.6	1755.3	1759.6
25°	1713.0	1715.0	1710.3	1715.8	1717.0
27.5°	1671.9	1671.9	1667.7	1670.4	1667.0
30°	1624.6	1621.9	1619.2	1619.7	1616.4
32.5°	1567.6	1567.6	1566.4	1566.4	1562.2
35°	1508.9	1510.1	1507.4	1506.6	1504.6
37.5°	1445.6	1447.9	1442.9	1441.7	1440.2
40°	1373.7	1373.7	1371.7	1369.0	1365.5
42.5°	1299.0	1299.0	1290.3	1283.3	1278.6
45°	1205.9	1208.6	1196.9	1194.2	1184.7
47.5°	1113.3	1111.3	1095.6	1093.6	1088.2
50°	1014.7	1003.0	980.6	986.6	991.6
52.5°	916.1	901.7	868.8	875.6	883.8
55°	826.3	797.6	759.3	768.8	793.4
57.5°	732.4	694.1	655.7	673.7	704.3
60°	649.5	606.4	564.6	583.8	619.4
62.5°	570.1	524.3	490.7	509.1	539.2
65°	490.7	452.8	426.9	441.1	470.8
67.5°	418.0	392.6	374.9	381.6	405.5
70°	352.3	336.3	326.9	328.9	342.6
72.5°	289.8	285.8	282.3	282.3	283.6
75°	235.8	237.7	239.7	236.5	231.0
77.5°	185.7	192.4	197.4	190.4	183.7
80°	136.4	147.4	153.6	145.9	135.7
82.5°	93.1	105.6	107.5	102.8	91.1
85°	51.3	60.2	61.0	59.0	51.3
87.5°	19.2	22.7	24.6	22.7	19.9
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)