

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: P1046765

Luminaire Tested: 22PTR-60-PC3-L830-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046765
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-60-PC3-L830-UNV-STD-W
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

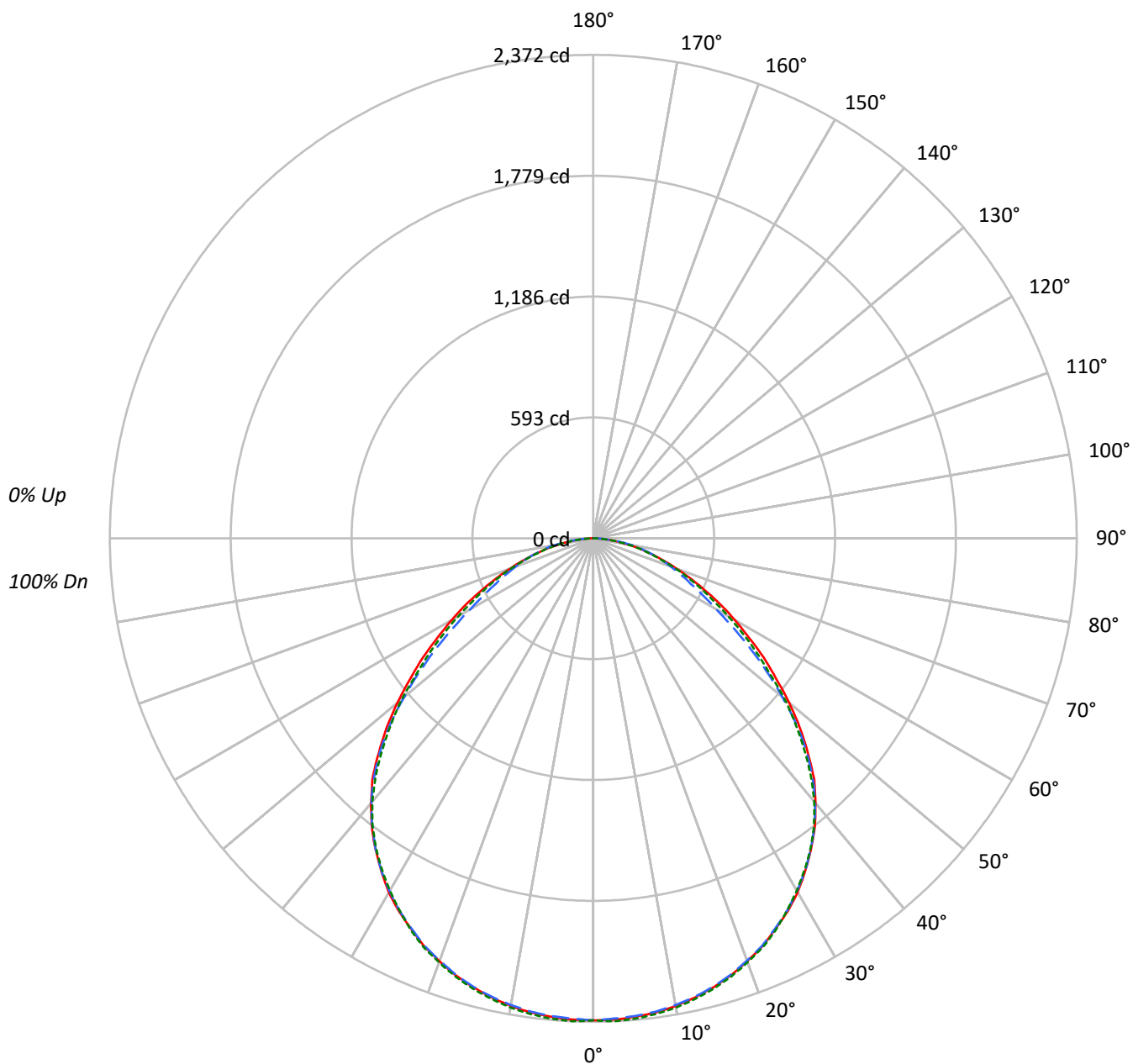
Lumens per Lamp: N/A
Luminaire Lumens: 5963.6 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 52
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	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°	224.4	3.8
10°-20°	644.0	10.8
20°-30°	975.0	16.3
30°-40°	1162.4	19.5
40°-50°	1135.8	19.0
50°-60°	868.5	14.6
60°-70°	557.6	9.4
70°-80°	310.2	5.2
80°-90°	85.7	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°	1843.3	30.9
0°-40°	3005.7	50.4
0°-60°	5010.0	84.0
0°-90°	5963.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5963.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2365	2365	2365	2365	2365	
5°	2357	2359	2353	2364	2366	224
15°	2280	2282	2278	2285	2288	643
25°	2115	2118	2112	2119	2120	976
35°	1863	1865	1861	1860	1858	1164
45°	1489	1492	1478	1475	1463	1146
55°	1020	985	938	949	980	912
65°	606	559	527	545	581	604
75°	291	294	296	292	285	311
85°	63	74	75	73	63	78
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2365.4	2365.4	2365.4	2365.4	2365.4
2.5°	2363.9	2364.8	2358.7	2368.8	2372.2
5°	2357.1	2358.7	2352.8	2363.9	2366.4
7.5°	2347.0	2348.5	2342.7	2353.8	2354.7
10°	2330.1	2331.0	2325.8	2336.8	2338.4
12.5°	2307.3	2309.8	2304.0	2314.1	2314.7
15°	2280.0	2281.8	2277.5	2285.2	2287.7
17.5°	2248.0	2248.9	2244.6	2252.9	2253.8
20°	2208.0	2208.0	2204.7	2214.2	2214.2
22.5°	2167.5	2165.0	2164.1	2167.5	2172.7
25°	2115.2	2117.7	2111.8	2118.6	2120.1
27.5°	2064.5	2064.5	2059.3	2062.6	2058.3
30°	2006.1	2002.7	1999.3	1999.9	1995.9
32.5°	1935.7	1935.7	1934.2	1934.2	1928.9
35°	1863.1	1864.7	1861.3	1860.4	1857.9
37.5°	1785.1	1787.8	1781.7	1780.1	1778.3
40°	1696.2	1696.2	1693.8	1690.4	1686.1
42.5°	1604.0	1604.0	1593.2	1584.6	1578.8
45°	1489.0	1492.4	1478.0	1474.6	1462.9
47.5°	1374.7	1372.2	1352.9	1350.4	1343.6
50°	1253.0	1238.5	1210.8	1218.2	1224.4
52.5°	1131.2	1113.4	1072.8	1081.1	1091.3
55°	1020.3	984.9	937.6	949.2	979.7
57.5°	904.4	857.0	809.7	831.8	869.6
60°	802.0	748.8	697.2	720.9	764.8
62.5°	703.9	647.4	605.9	628.6	665.8
65°	605.9	559.2	527.2	544.7	581.3
67.5°	516.1	484.8	462.9	471.2	500.8
70°	435.0	415.3	403.6	406.1	423.0
72.5°	357.8	352.9	348.6	348.6	350.1
75°	291.1	293.6	296.0	292.0	285.3
77.5°	229.3	237.6	243.8	235.2	226.9
80°	168.5	182.0	189.7	180.1	167.5
82.5°	115.0	130.3	132.8	127.0	112.5
85°	63.3	74.4	75.3	72.9	63.3
87.5°	23.7	28.0	30.4	28.0	24.6
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)