

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: P1050213

Luminaire Tested: PTR-14-60-PC3-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050213
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-60-PC3-L830-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

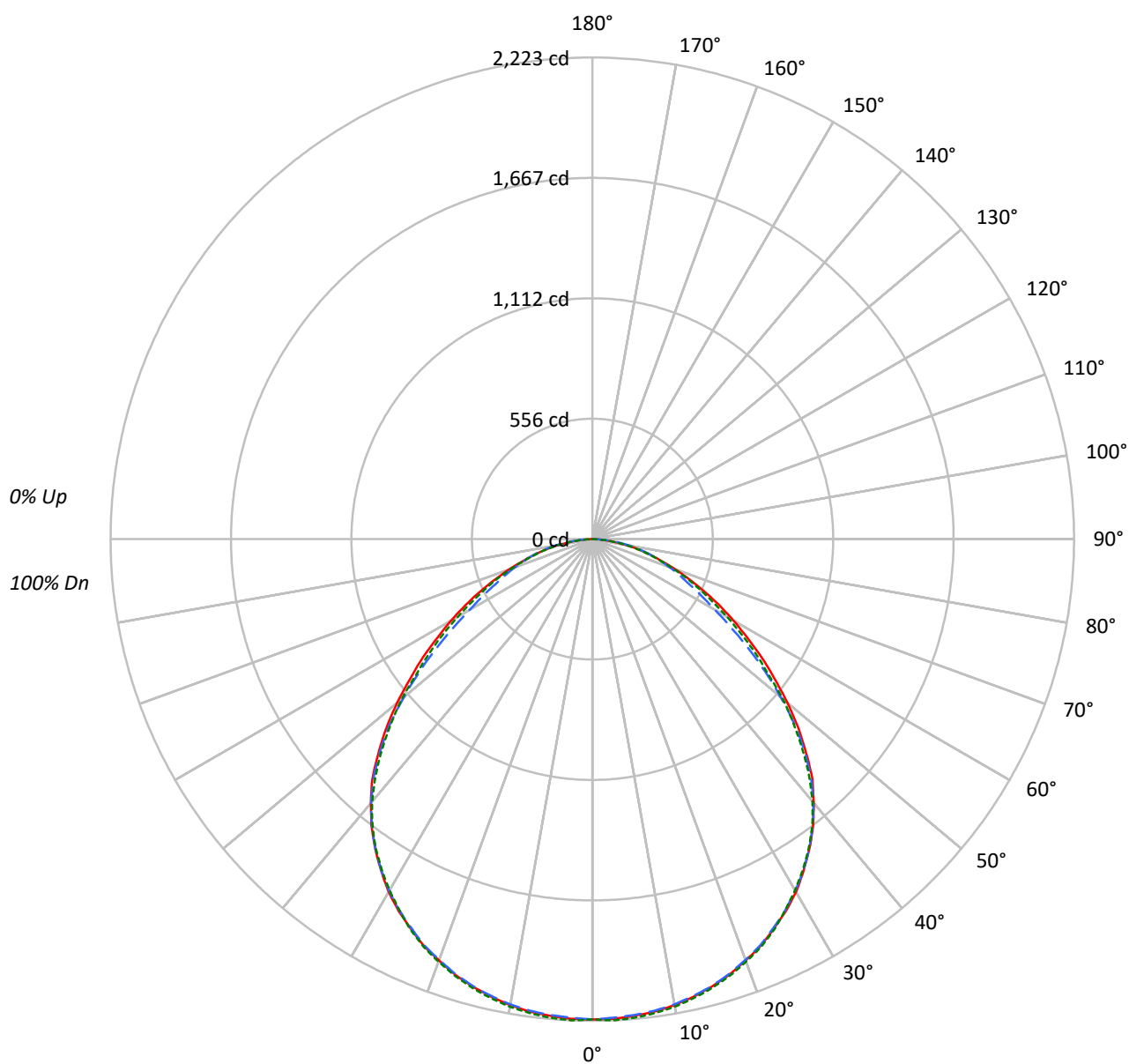
Lumens per Lamp: N/A
Luminaire Lumens: 5589.1 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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°	5966	5966	5966
5°	5967	5957	5991
10°	5967	5956	5989
15°	5953	5947	5973
20°	5926	5917	5943
25°	5886	5877	5900
30°	5842	5822	5812
35°	5736	5730	5720
40°	5584	5576	5551
45°	5311	5272	5218
50°	4916	4751	4804
55°	4486	4122	4308
60°	4045	3517	3858
65°	3615	3146	3469
70°	3208	2976	3119
75°	2836	2884	2780
80°	2447	2755	2433
85°	1831	2180	1831

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 5323 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.3	3.8
10°-20°	603.5	10.8
20°-30°	913.8	16.3
30°-40°	1089.4	19.5
40°-50°	1064.5	19.0
50°-60°	814.0	14.6
60°-70°	522.6	9.4
70°-80°	290.7	5.2
80°-90°	80.3	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°	1727.6	30.9
0°-40°	2817.0	50.4
0°-60°	4695.5	84.0
0°-90°	5589.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5589.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2217	2217	2217	2217	2217	
5°	2209	2211	2205	2216	2218	210
15°	2137	2139	2134	2142	2144	603
25°	1982	1985	1979	1986	1987	914
35°	1746	1748	1744	1744	1741	1091
45°	1396	1399	1385	1382	1371	1074
55°	956	923	879	890	918	855
65°	568	524	494	510	545	566
75°	273	275	277	274	267	292
85°	59	70	71	68	59	73
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2216.9	2216.9	2216.9	2216.9	2216.9
2.5°	2215.5	2216.3	2210.6	2220.1	2223.3
5°	2209.1	2210.6	2205.1	2215.5	2217.8
7.5°	2199.6	2201.1	2195.6	2206.0	2206.8
10°	2183.8	2184.6	2179.7	2190.1	2191.6
12.5°	2162.5	2164.8	2159.3	2168.8	2169.4
15°	2136.8	2138.6	2134.5	2141.7	2144.0
17.5°	2106.9	2107.7	2103.7	2111.5	2112.3
20°	2069.4	2069.4	2066.2	2075.2	2075.2
22.5°	2031.4	2029.1	2028.2	2031.4	2036.3
25°	1982.4	1984.7	1979.2	1985.6	1987.0
27.5°	1934.9	1934.9	1930.0	1933.1	1929.1
30°	1880.1	1877.0	1873.8	1874.4	1870.6
32.5°	1814.2	1814.2	1812.7	1812.7	1807.8
35°	1746.2	1747.6	1744.4	1743.6	1741.3
37.5°	1673.0	1675.6	1669.8	1668.4	1666.6
40°	1589.7	1589.7	1587.4	1584.2	1580.2
42.5°	1503.3	1503.3	1493.2	1485.1	1479.7
45°	1395.5	1398.7	1385.2	1382.0	1371.1
47.5°	1288.4	1286.1	1267.9	1265.6	1259.3
50°	1174.3	1160.7	1134.8	1141.7	1147.5
52.5°	1060.2	1043.5	1005.5	1013.2	1022.7
55°	956.2	923.1	878.7	889.6	918.2
57.5°	847.6	803.2	758.8	779.6	815.0
60°	751.6	701.8	653.4	675.6	716.8
62.5°	659.7	606.7	567.8	589.2	624.0
65°	567.8	524.0	494.1	510.5	544.8
67.5°	483.7	454.3	433.9	441.7	469.3
70°	407.7	389.2	378.3	380.6	396.4
72.5°	335.3	330.7	326.7	326.7	328.1
75°	272.8	275.1	277.4	273.7	267.4
77.5°	214.9	222.7	228.5	220.4	212.6
80°	157.9	170.6	177.8	168.8	157.0
82.5°	107.7	122.2	124.5	119.0	105.4
85°	59.3	69.7	70.6	68.3	59.3
87.5°	22.2	26.2	28.5	26.2	23.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)