

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: P1050625

Luminaire Tested: 24PTR-60-PC3-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050625
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: 24PTR-60-PC3-L830-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

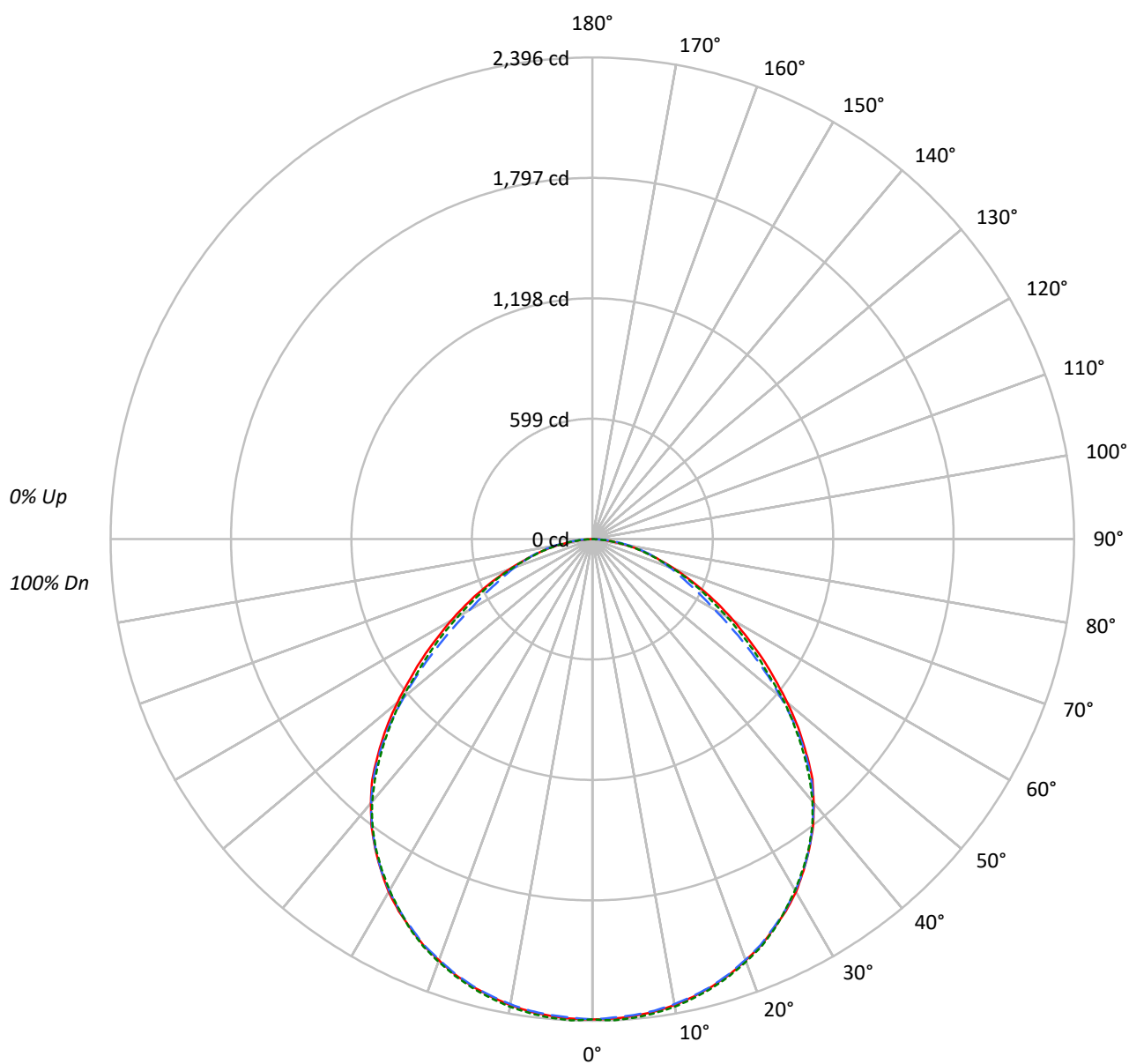
Lumens per Lamp: N/A
Luminaire Lumens: 6023.7 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51
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°	3215	3215	3215
5°	3216	3210	3228
10°	3216	3210	3227
15°	3208	3204	3219
20°	3193	3189	3202
25°	3172	3167	3179
30°	3148	3138	3132
35°	3091	3088	3083
40°	3009	3005	2991
45°	2862	2841	2812
50°	2649	2560	2589
55°	2417	2221	2321
60°	2180	1895	2079
65°	1948	1695	1869
70°	1729	1604	1681
75°	1528	1554	1498
80°	1319	1485	1311
85°	988	1175	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2868 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.6	3.8
10°-20°	650.5	10.8
20°-30°	984.8	16.3
30°-40°	1174.2	19.5
40°-50°	1147.3	19.0
50°-60°	877.3	14.6
60°-70°	563.2	9.4
70°-80°	313.3	5.2
80°-90°	86.5	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°	1861.9	30.9
0°-40°	3036.1	50.4
0°-60°	5060.6	84.0
0°-90°	6023.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6023.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2389	2389	2389	2389	2389	
5°	2381	2382	2377	2388	2390	226
15°	2303	2305	2300	2308	2311	650
25°	2136	2139	2133	2140	2142	985
35°	1882	1884	1880	1879	1877	1176
45°	1504	1508	1493	1490	1478	1157
55°	1030	995	947	959	990	921
65°	612	565	532	550	587	610
75°	294	296	299	295	288	314
85°	64	75	76	74	64	79
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2389.3	2389.3	2389.3	2389.3	2389.3
2.5°	2387.7	2388.7	2382.5	2392.7	2396.1
5°	2380.9	2382.5	2376.6	2387.7	2390.2
7.5°	2370.7	2372.2	2366.3	2377.5	2378.4
10°	2353.6	2354.5	2349.2	2360.4	2362.0
12.5°	2330.6	2333.1	2327.2	2337.4	2338.1
15°	2303.0	2304.8	2300.5	2308.2	2310.7
17.5°	2270.7	2271.6	2267.3	2275.6	2276.6
20°	2230.3	2230.3	2226.9	2236.5	2236.5
22.5°	2189.3	2186.8	2185.9	2189.3	2194.6
25°	2136.5	2139.0	2133.1	2140.0	2141.5
27.5°	2085.3	2085.3	2080.0	2083.4	2079.1
30°	2026.3	2022.9	2019.5	2020.1	2016.1
32.5°	1955.2	1955.2	1953.7	1953.7	1948.4
35°	1881.9	1883.5	1880.1	1879.1	1876.7
37.5°	1803.1	1805.9	1799.7	1798.1	1796.2
40°	1713.3	1713.3	1710.8	1707.4	1703.1
42.5°	1620.2	1620.2	1609.3	1600.6	1594.7
45°	1504.1	1507.5	1492.9	1489.5	1477.7
47.5°	1388.6	1386.1	1366.5	1364.0	1357.2
50°	1265.6	1251.0	1223.1	1230.5	1236.7
52.5°	1142.6	1124.6	1083.6	1092.0	1102.3
55°	1030.5	994.8	947.0	958.8	989.6
57.5°	913.5	865.7	817.9	840.2	878.4
60°	810.1	756.4	704.2	728.1	772.5
62.5°	711.0	653.9	612.0	635.0	672.5
65°	612.0	564.8	532.5	550.2	587.2
67.5°	521.3	489.7	467.6	476.0	505.8
70°	439.4	419.5	407.7	410.2	427.2
72.5°	361.4	356.5	352.1	352.1	353.7
75°	294.0	296.5	299.0	295.0	288.1
77.5°	231.6	240.0	246.2	237.5	229.1
80°	170.2	183.8	191.6	182.0	169.2
82.5°	116.1	131.7	134.1	128.2	113.6
85°	64.0	75.1	76.1	73.6	64.0
87.5°	23.9	28.3	30.7	28.3	24.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)